

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549  
**FORM S-1  
REGISTRATION STATEMENT**  
*UNDER  
THE SECURITIES ACT OF 1933*

**Black Diamond Therapeutics, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of incorporation or organization)

**2836**  
(Primary Standard Industrial Classification Code Number)  
**Black Diamond Therapeutics, Inc.**  
**139 Main Street**  
**Cambridge, MA 02142**  
**617-252-0848**

**81-4254660**  
(I.R.S. Employer Identification No.)

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

**David M. Epstein, Ph.D.**  
**President and Chief Executive Officer**  
**Black Diamond Therapeutics, Inc.**  
**139 Main Street**  
**Cambridge, MA 02142**  
**617-252-0848**

(Name, address, including zip code, and telephone number, including area code, of agent for service)

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**Approximate date of commencement of proposed sale to the public:** As soon as practicable after the effective date of this registration statement.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, as amended, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large Accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input checked="" type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

**CALCULATION OF REGISTRATION FEE**

Title of each class of securities to be registered	Proposed maximum aggregate offering price(1)	Amount of registration fee
Common stock, \$0.0001 par value per share	\$100,000,000	\$12,980

(1) Estimated solely for the purpose of computing the registration fee in accordance with Rule 457(o) under the Securities Act of 1933, as amended. Includes the aggregate offering price of shares that the underwriters have the option to purchase to cover over-allotments, if any.

**The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant files a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933, as amended, or until the registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.**

The information in this preliminary prospectus is not complete and may be changed. We may not sell these securities until the Securities and Exchange Commission declares our registration statement effective. This preliminary prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

Subject to completion, dated January 3, 2020

Preliminary prospectus



## Common stock

This is our initial public offering of our common stock. We are offering \_\_\_\_\_ shares of common stock. Prior to this offering, there has been no public market for our shares. We expect that the initial public offering price will be between \$ \_\_\_\_\_ and \$ \_\_\_\_\_ per share. We have applied to list our common stock on The Nasdaq Global Market under the symbol "BDTX."

We are an "emerging growth company" and a "smaller reporting company" under the federal securities laws and, as such, we have elected to comply with certain reduced public company reporting requirements for this prospectus and for future filings.

**Investing in our common stock involves a high degree of risk. Before buying any shares, you should read carefully the discussion of the material risks of investing in our common stock under the heading "[Risk Factors](#)" starting on page 13 of this prospectus.**

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of the securities that may be offered under this prospectus, nor have any of these organizations determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.**

	Per share	Total
Initial public offering price	\$ _____	\$ _____
Underwriting discount <sup>(1)</sup>	\$ _____	\$ _____
Proceeds, before expenses, to Black Diamond Therapeutics, Inc.	\$ _____	\$ _____

(1) We refer you to "Underwriting" beginning on page 198 of this prospectus for additional information regarding underwriting compensation.

Delivery of the shares of common stock is expected to be made on or about \_\_\_\_\_, 2020.

We have granted the underwriters an option for a period of 30 days to purchase an additional \_\_\_\_\_ shares of our common stock. If the underwriters exercise the option in full, the total underwriting discounts and commissions payable by us will be \$ \_\_\_\_\_, and the total proceeds to us, before expenses, will be \$ \_\_\_\_\_.

**J.P. Morgan**

**Jefferies**

**Cowen**

**Canaccord Genuity**

The date of this prospectus is \_\_\_\_\_, 2020.

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Neither we nor the underwriters have authorized anyone to provide you with information different from, or in addition to, that contained in this prospectus, any amendment or supplement to this prospectus and any related free writing prospectus prepared by or on behalf of us or to which we have referred you. We and the underwriters take no responsibility for, and can provide no assurances as to the reliability of, any information that others may give you. This prospectus is not an offer to sell, nor is it seeking an offer to buy, these securities in any jurisdiction where the offer or sale is not permitted. The information contained in this prospectus or in any free writing prospectus is only accurate as of its date, regardless of its time of delivery or the time of any sale of our common stock. Our business, financial condition, results of operations and future prospects may have changed since that date. No action is being taken in any jurisdiction outside the United States to permit a public offering of our common stock or possession or distribution of this prospectus in that jurisdiction. Persons who come into possession of this prospectus in jurisdictions outside the United States are required to inform themselves about and to observe any restrictions as to this offering and the distribution of this prospectus applicable to that jurisdiction.

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We have applied for various trademarks that we use in connection with the operation of our business. This prospectus may also contain trademarks, service marks and trade names of third parties, which are the property of their respective owners. Our use or display of third parties' trademarks, service marks, trade names or products in this prospectus is not intended to, and does not imply a relationship with, or endorsement or sponsorship by us. Solely for convenience, the trademarks, service marks and trade names referred to in this prospectus may appear without the ®, TM or SM symbols, but the omission of such references is not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights or the right of the applicable owner of these trademarks, service marks and trade names.

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Until and including \_\_\_\_\_, (25 days after the date of this prospectus), all dealers that buy, sell or trade our common stock, whether or not participating in this offering, may be required to deliver a prospectus. This delivery requirement is in addition to the obligation of dealers to deliver a prospectus when acting as underwriters and with respect to their unsold allotments or subscriptions.

## Prospectus summary

*This summary highlights information contained in greater detail elsewhere in this prospectus and does not contain all of the information that you should consider in making your investment decision. Before investing in our common stock, you should carefully read this entire prospectus, including our consolidated financial statements and the related notes thereto included elsewhere in this prospectus. You should also consider, among other things, the information set forth under the sections titled “Risk Factors,” “Special Note Regarding Forward-Looking Statements,” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” in each case appearing elsewhere in this prospectus. Unless the context otherwise requires, we use the terms “Black Diamond,” “Black Diamond Therapeutics,” the “Company,” “we,” “us,” “our” and similar designations in this prospectus to refer to Black Diamond Therapeutics, Inc. and, where appropriate, our subsidiaries.*

### Overview

We are a precision oncology medicine company pioneering the discovery and development of small molecule, tumor-agnostic therapies. Our goal is to bring precision oncology medicine to a greater number of patients. We target undrugged mutations in patients with genetically-defined cancers. The foundation of our company is built upon a deep understanding of cancer genetics, protein structure and function, and medicinal chemistry. Our proprietary technology platform, which we refer to as our Mutation-Allostery-Pharmacology, or MAP, platform, is designed to allow us to i) analyze population-level genetic sequencing data to identify oncogenic mutations that promote cancer across tumor types, ii) group these mutations into families and iii) develop a single small molecule therapy in a tumor-agnostic manner that targets a specific family of mutations. We have designed our lead product candidate, BDTX-189, to block the function of an undrugged family of oncogenic proteins defined by mutations which occur across a range of tumor types, and which affect both the epidermal growth factor receptor, or EGFR, and the tyrosine-protein kinase ErbB-2, or HER2. We have designed BDTX-189 to bind to the active site of these mutant kinases and to inhibit their function. BDTX-189 is also designed to spare normal, or wild type, EGFR, which we believe will improve upon the toxicity profiles of current ErbB kinase inhibitors. We submitted our Investigational New Drug Application, or IND, for BDTX-189 in November 2019, which was allowed by the U.S. Food and Drug Administration, or FDA, on December 13, 2019, and plan to start a combined Phase 1/2 clinical trial in the first half of 2020 to pursue a tumor-agnostic development strategy. We are also leveraging our MAP platform to expand the reach of targeted therapies by identifying other families of mutations in genes known to drive disease.

### Background of targeted oncology therapies

Cancer is a genetic disease that is caused by changes in DNA that control the way cells function, especially how they grow and divide, and has historically been diagnosed and treated based on a tumor’s organ site or tissue of origin. Oncogene addiction, which is the dependency of tumors on genetic drivers for a growth and survival advantage, has enabled the development of targeted therapies that exploit this dependency.

Approved targeted therapies, such as kinase inhibitors, have transformed the treatment of cancers by providing substantial clinical benefit and have emerged as an important part of standard of care for cancer patients. Worldwide sales of kinase inhibitors, one class of targeted therapies, exceeded \$25 billion in 2018. Despite the success of these drugs, a recent analysis found that only nine percent of patients with metastatic cancer have tumors with genetic profiles that could make them eligible for treatment with an approved precision oncology medicine.

Genetic sequencing of cancers has become increasingly widespread, leading to the discovery of multiple genetic alterations which were previously unaddressed, unsuccessfully targeted or overlooked. Furthermore,

advancements in genetic sequencing and a better understanding of genetic alterations that drive cancers have facilitated more precise cancer drug development to be conducted in a tumor and histology agnostic manner. We believe our MAP platform will allow us to reveal the oncogenic nature of families of undrugged mutations having similar protein structures, and our approach offers a substantial opportunity to expand the number of patients who could benefit from precision oncology medicines.

### **The Black Diamond Therapeutics approach**

At Black Diamond Therapeutics, our goal is to bring precision oncology medicine to a greater number of patients. Our drug development efforts leverage our novel findings that:

- mutations throughout a gene can drive oncogenic activation and change the drug selectivity profile of their active sites;
- these oncogenic mutations can be grouped as families because they drive similar structural changes, and exhibit a shared selectivity profile; and
- a family of oncogenic proteins can therefore be inhibited by a single small molecule that targets the active site.

We believe we can address certain key limitations of current generation precision medicine therapies in oncology by applying our MAP Platform to identify and target novel classes of oncogenic mutations. We believe this will allow us to design and develop potential therapies for patients for whom there are currently no targeted treatment options.

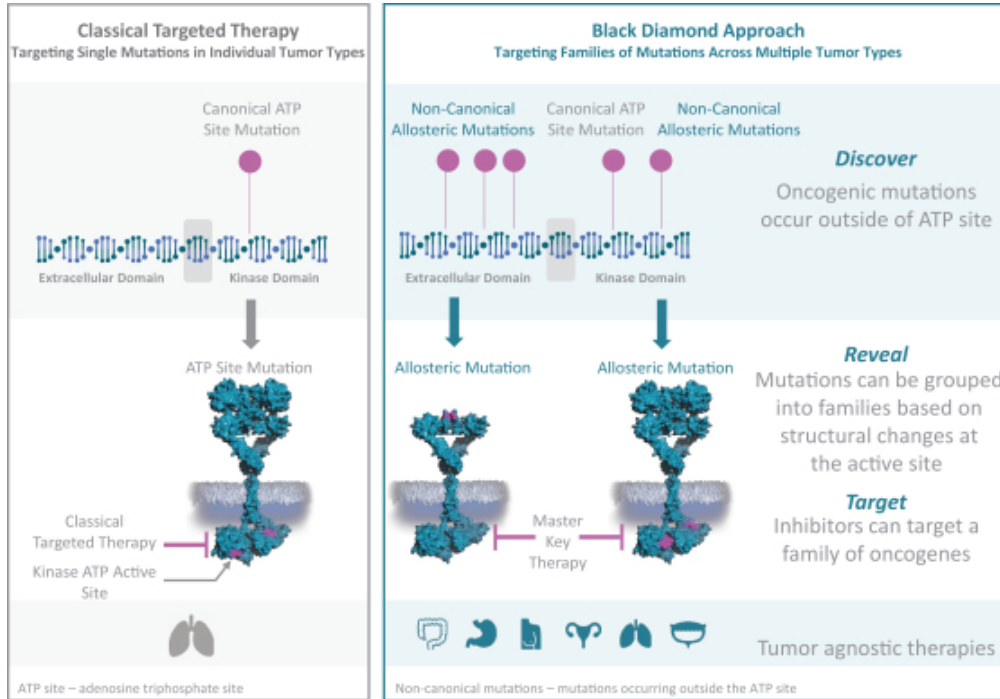
### **Our MAP platform**

Our proprietary MAP platform was developed to reveal the oncogenic nature of families of undrugged driver mutations, at or outside the active site, and their associated protein structures. We believe there is a substantial opportunity for designing novel classes of tumor-agnostic precision medicines targeting families of mutations.

Our proprietary MAP platform is built on three central pillars:

- **Discover** — Through comprehensive analysis of population-level genetic sequencing data, we identify oncogenic mutations among hundreds of unique alterations within a single gene. Our MAP platform algorithm uses genetic and proteomic features to rank mutations for potential oncogenicity. We use our algorithm as a machine learning tool to classify mutations as either pathogenic or benign and predict the probability, or MAP score, that a mutation is pathogenic.
- **Reveal** — We confirm the oncogenicity of the identified mutations through cell and tumor models and reveal how these mutations drive conformational changes in proteins. This allows us to group subsets of mutations into families based upon similar protein structures and shared selectivity profiles.

• **Target** — Using these shared characteristics, we seek to develop single small molecule product candidates, each designed to inhibit only the intended mutation family.



## Our pipeline

Utilizing our proprietary MAP platform, we are developing a pipeline of orally available, potent and selective small molecule kinase inhibitors, each targeting a family of undrugged driver mutations in cancer. An overview of our pipeline of product candidates is shown in the table below.

Oncogene Family	Target	Drug Candidate	Diseases	Discovery <sup>(1)</sup>	Optimization <sup>(2)</sup>	IND-enabling <sup>(3)</sup>	Phase 1	Phase 2	Phase 3	Commercial Rights	Key Anticipated Milestone
ErbB Family	EGFR HER2	BDTX-189	Tumor agnostic	Completed						Commercial Rights	Phase 1/2 Trial Initiation (1H 2020)
	EGFR	Undisclosed	Glioblastoma	Completed						Commercial Rights	IND-Enabling Studies (2020)

Completed

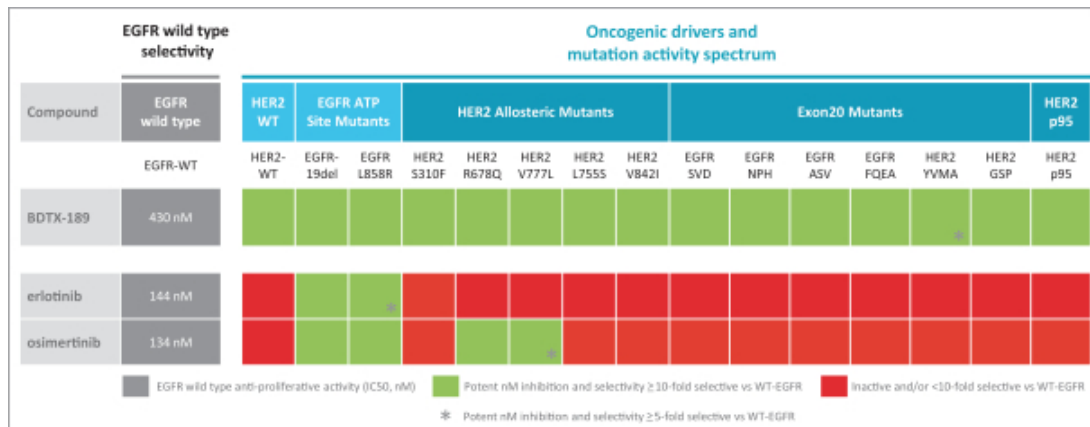
- (1) In the Discovery stage, we screen compounds against biological assays to identify lead compounds with activity against desired targets.
- (2) In the Optimization stage, we synthetically modify an active lead compound to improve potency, selectivity, pharmacokinetic and toxicity parameters and physical chemical properties important for clinical usefulness to support nomination as a development candidate.
- (3) In the IND-enabling stage, we conduct preclinical studies, in addition to Good Laboratory Practice, or GLP, compliant toxicology studies and generate chemical manufacture and control information and analytical data, required for an IND submission to the FDA.

## Our BDTX-189 program

BDTX-189 is designed to be an orally available, irreversible small molecule inhibitor that targets undrugged oncogenic driver mutations of the ErbB kinases EGFR and HER2. These include extracellular domain allosteric mutations of HER2 as well as EGFR and HER2 kinase domain exon 20 insertions, and additional activating oncogenic drivers of ErbB. Currently, there are no drugs approved by the FDA to target all of these oncogenic mutations with a single therapy. In preclinical models, BDTX-189 exhibited anti-tumor activity evidenced by potent tumor growth inhibition and tumor regression.

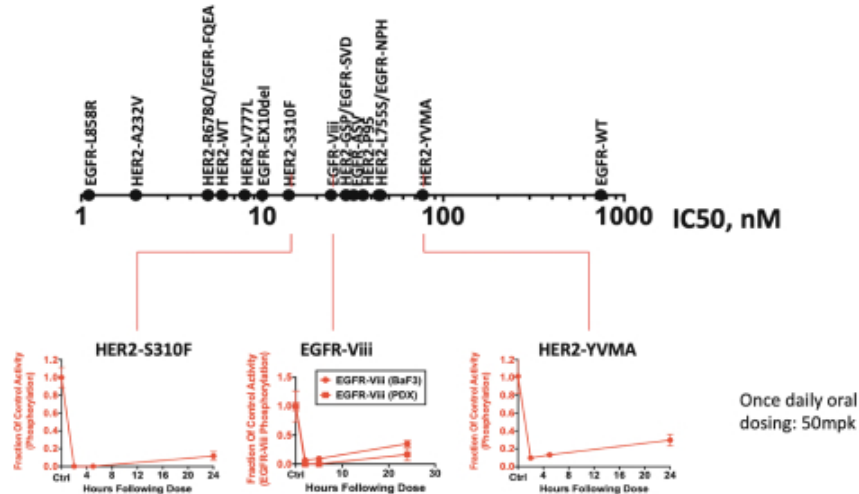
We submitted our IND for BDTX-189 in November 2019, which was allowed by the FDA on December 13, 2019, and plan to start a combined Phase 1/2 clinical trial in the first half of 2020. The Phase 1 portion of the trial will evaluate escalating doses of BDTX-189 and is designed to determine the recommended Phase 2 dose and to assess preliminary indications of anti-tumor activity. The Phase 2 portion will determine the objective response rate, or ORR, and duration of response in patients with solid tumors that have an allosteric HER2 mutation or EGFR or HER2 exon 20 insertion mutation determined using next-generation sequencing, or NGS. Depending on results, we plan to pursue an accelerated approval of BDTX-189 for a tumor-agnostic indication in patients with mutations of the ErbB family. The figure below shows the selectivity pattern for BDTX-189 for non-canonical oncogenic mutations and additional oncogenic drivers of ErbB (with wild type for reference) as well as comparable data for erlotinib and osimertinib (each as determined by measuring 50 percent inhibition, or IC50, values). The data in the figure below were generated through head-to-head comparisons of BDTX-189 to erlotinib and osimertinib by determining the *in vitro* anti-proliferative activity for each molecule against a panel of cell lines under the same experimental conditions for each molecule.

BDTX-189 potentially inhibited the proliferation of BaF3 cells transformed by allosteric EGFR mutations and allosteric HER2 mutations when evaluated *in vitro*. BDTX-189 additionally inhibited the proliferation of lung cancer patient-derived cells expressing EGFR exon 20 insertions (CUTO-14 and CUTO-17 cell lines), and human tumor cells expressed amplified wild type HER2 (BT-474 cells). BDTX-189 further inhibited the proliferation of BaF3 cells transformed by EGFR ATP-site mutations, including the EGFR exon 19 deletion E745-750 and EGFR-L858R, and extracellular domain EGFR mutations, including EGFR-Viii when evaluated *in vitro*. In each case, BDTX-189 inhibits the targeted ErbB mutation more potently than wild type EGFR.





In preclinical animal models, BDTX-189 was observed to have high potency and fast irreversible inactivation of a range of non-canonical oncogenic mutations, as illustrated in the figure below.



*BDTX-189 inhibits activity across a range of EGFR and HER2 mutants in vivo (50mpk once a day, or QD, acute oral dosing), including mutants with a range of in vitro 50 percent inhibition, or IC50, values.*

### Glioblastoma program

Glioblastoma is a difficult-to-treat, aggressive type of cancer that can occur in the brain or spinal cord. Current therapy consists primarily of surgical resection of the tumor, followed by radiation and chemotherapy. Almost 50 percent of glioblastoma tumors express one or more allosteric EGFR mutations that affect the extracellular region of the receptor tyrosine kinase, consequently promoting oncogenic activation. Although the disease appears to be genetically-defined, there are no precision oncology medicines approved to treat these patients. We believe that current targeted therapies have been unsuccessful in treating glioblastoma due to (i) the concurrent expression of these allosteric EGFR mutations within individual patients, (ii) insufficient drug potency for allosteric EGFR mutations and (iii) low levels of brain penetration. Our lead molecules are designed to be potent, allosteric EGFR selective and to be brain penetrant. We have observed measurable brain exposure in animal models. We are completing preclinical characterization of our glioblastoma candidate leads and plan to select a development candidate in 2020.

### Early-stage programs

We are also progressing our early stage pipeline programs targeting groups of allosteric mutations in kinases relevant to cancer and/or rare genetic diseases. These programs, which we have developed using our MAP platform, are currently progressing through lead optimization.

## **Our history and team**

We were founded by Dr. David M. Epstein and Dr. Elizabeth Buck in 2014 and, beginning in 2017, together with Versant Ventures began building the MAP platform and chemistry discovery engine. As of January 3, 2020, we have raised more than \$194 million in funding from leading investors including Versant Ventures, New Enterprise Associates, RA Capital Management, Tavistock Group, NexTech Invest, The Invus Group, Perceptive Advisors and Wellington Management.

We have assembled a team with significant expertise in drug discovery and development with particular strengths in the discovery of small molecule protein kinase inhibitors. David M. Epstein, Ph.D., our President and Chief Executive Officer, was previously Chief Scientific Officer at OSI Pharmaceuticals, Inc. and founder of Archemix Corporation, where he led the advancement of multiple product candidates into the clinic in multiple therapeutic areas. Thomas Leggett, our Chief Financial Officer, was previously Senior Vice President of Finance and Chief Financial Officer at Axcella Health, Inc. Christopher D. Roberts, our Chief Scientific Officer, was previously Entrepreneur in Residence at S.R. One Limited, the corporate venture capital arm of GlaxoSmithKline plc. Elizabeth Buck, Ph.D., our Executive Vice President of Discovery & Translational Sciences, previously led preclinical pharmacology and oncology translational research at OSI Pharmaceuticals, Inc. Karsten Witt, M.D., our Senior Vice President of Clinical Development, previously led clinical development at Array Biopharma Inc. and OSI Pharmaceuticals, Inc. Dr. Witt has been involved in eight regulatory approvals, four of which are related to Tarceva (erlotinib), an approved kinase inhibitor for the treatment of certain lung and pancreatic cancers. Brent Hatzis-Schoch, our Chief Operating Officer and General Counsel, was previously General Counsel at Radius Health, Inc.

## **Our strategy**

Our goal is to continue building a differentiated, global biopharmaceutical company by discovering, developing and commercializing novel precision medicines for a greater number of patients. The critical components of our strategy include:

- rapidly advancing our lead drug candidate, BDTX-189, through clinical development, as a tumor-agnostic, spectrum-selective small molecule therapy;
- rapidly advancing our glioblastoma program to identify a small molecule lead product candidate and progress it through clinical development;
- expanding our pipeline of potent and selective small molecule inhibitors to fully exploit the potential of our proprietary MAP platform;
- continuing to invest in our proprietary MAP platform to identify and characterize new mutation families; and
- selectively entering into strategic partnerships to maximize the potential of our pipeline and our proprietary MAP platform.

On November 25, 2019, we entered into a stock purchase agreement, pursuant to which we sold 19,420,124 shares of our Series C preferred stock to certain investors for a total of \$85.0 million. See “—Certain relationships and related person transactions.”

## **Risks associated with our business**

Our ability to implement our business strategy is subject to numerous risks that you should be aware of before making an investment decision. These risks are described more fully in the section entitled “Risk Factors” in this prospectus. These risks include, among others:

- our limited operating history may make it difficult for you to evaluate the success of our business to date and to assess our future viability;
- we have incurred significant losses since inception, and we expect to incur losses over the next several years and may not be able to achieve or sustain revenues or profitability in the future. As of September 30, 2019, we had an accumulated deficit of \$41.1 million;
- we have not generated any revenue from our product candidates and may never be profitable;
- we will need substantial additional funding. If we are unable to raise capital when needed, we would be compelled to delay, reduce or eliminate our product development programs or commercialization efforts;
- our discovery and preclinical development is focused on the development of targeted therapeutics for patients with genetically defined cancers, which is a rapidly evolving area of science, and the tumor-agnostic approach we are taking to discover and develop drugs is novel and may never lead to marketable products;
- we are very early in our development efforts. All of our product candidates are still in preclinical development. If we are unable to advance our product candidates to clinical development, obtain regulatory approval and ultimately commercialize our product candidates, or experience significant delays in doing so, our business will be materially harmed;
- if we are not able to obtain, or if there are delays in obtaining, required regulatory approvals for our product candidates, we will not be able to commercialize, or will be delayed in commercializing, our product candidates, and our ability to generate revenue will be materially impaired;
- we do not currently own or in-license any issued patents or non-provisional patent applications relating to our product candidates or technology, including BDTX-189. If we are unable to obtain and maintain patent and other intellectual property protection for BDTX-189, our MAP platform and our other product candidates and technology, or any other product candidates or technology we may develop, or if the scope of intellectual property protection obtained is not sufficiently broad, our competitors could develop and commercialize products and technology similar or identical to ours, and our ability to commercialize BDTX-189 or any other product candidates or technology may be adversely affected;
- we are highly dependent on our key personnel, and if we are not successful in attracting and retaining highly qualified personnel, we may not be able to successfully implement our business strategy; and
- we have identified material weaknesses in our internal control over financial reporting. If we are unable to remediate these material weaknesses, or if we identify additional material weaknesses in the future or otherwise fail to maintain an effective system of internal controls, we may not be able to accurately or timely report our financial condition or results of operations, which may adversely affect our business.

## **Corporate information**

We were formed as an LLC in December 2014 and we converted to a corporation in September 2016 under the laws of the State of Delaware under the name ASET Therapeutics, Inc. On January 2, 2018, we changed our name to Black Diamond Therapeutics, Inc. Our principal executive offices are located at 139 Main Street, Cambridge, MA 02142,

and our telephone number is 617-252-0848. We have two subsidiaries, Black Diamond Therapeutics (Canada) Inc., which was incorporated in 2018, and Black Diamond Therapeutics Security Corporation, which was incorporated in 2019. Our website address is <https://www.blackdiamondtherapeutics.com>. The information contained in or accessible from our website is not incorporated into this prospectus, and you should not consider it part of this prospectus. We have included our website address in this prospectus solely as an inactive textual reference.

### **Implications of being an emerging growth company and a smaller reporting company**

We qualify as an “emerging growth company” as defined in the Jumpstart Our Business Startups Act of 2012, as amended. As an emerging growth company, we may take advantage of specified reduced disclosure and other requirements that are otherwise applicable generally to public companies. These provisions include:

- being permitted to only two years of audited financial statements in addition to any required unaudited interim financial statements with correspondingly reduced “Management’s Discussion and Analysis of Financial Condition and Results of Operations” disclosure in this prospectus;
- reduced disclosure about our executive compensation arrangements;
- not being required to hold advisory votes on executive compensation or to obtain stockholder approval of any golden parachute arrangements not previously approved; and
- an exemption from the auditor attestation requirement in the assessment of our internal control over financial reporting.

We may take advantage of these exemptions for up to five years or such earlier time that we are no longer an emerging growth company. We would cease to be an emerging growth company on the date that is the earliest of (i) the last day of the fiscal year in which we have total annual gross revenues of \$1.07 billion or more; (ii) the last day of our fiscal year following the fifth anniversary of the date of the completion of this offering; (iii) the date on which we have issued more than \$1.0 billion in nonconvertible debt during the previous three years; or (iv) the date on which we are deemed to be a large accelerated filer under the rules of the Securities and Exchange Commission (SEC). We may choose to take advantage of some but not all of these exemptions. We have taken advantage of reduced reporting requirements in this prospectus. Accordingly, the information contained herein may be different from the information you receive from other public companies in which you hold stock.

We have elected not to “opt out” of the exemption for the delayed adoption of certain accounting standards and, therefore, we will adopt new or revised accounting standards at the time private companies adopt the new or revised accounting standard and will do so until such time that we either (i) irrevocably elect to “opt out” of such extended transition period or (ii) no longer qualify as an emerging growth company.

We are also a “smaller reporting company,” meaning that the market value of our stock held by non-affiliates plus the proposed aggregate amount of gross proceeds to us as a result of this offering is less than \$700 million and our annual revenue was less than \$100 million during the most recently completed fiscal year. We may continue to be a smaller reporting company after this offering if either (i) the market value of our stock held by non-affiliates is less than \$250 million or (ii) our annual revenue was less than \$100 million during the most recently completed fiscal year and the market value of our stock held by non-affiliates is less than \$700 million. If we are a smaller reporting company at the time we cease to be an emerging growth company, we may continue to rely on exemptions from certain disclosure requirements that are available to smaller reporting companies. Specifically, as a smaller reporting company we may choose to present only the two most recent fiscal years of audited financial statements in our Annual Report on Form 10-K and, similar to emerging growth companies, smaller reporting companies have reduced disclosure obligations regarding executive compensation.

## The offering

<b>Shares of common stock offered by us</b>	shares.
<b>Shares of our common stock to be outstanding after this offering</b>	shares (or shares in full) shares if the underwriters exercise their option to purchase additional
<b>Underwriters' option to purchase additional shares</b>	We have granted the underwriters a 30-day option to purchase up to additional shares of our common stock at the public offering price, less underwriting discounts and commissions on the same terms as set forth in this prospectus.
<b>Use of proceeds</b>	We estimate that the net proceeds to us from the sale of shares of our common stock in this offering will be approximately \$ million, or \$ million if the underwriters exercise their option to purchase additional shares in full, assuming an initial public offering price of \$ per share, the midpoint of the price range set forth on the cover page of this prospectus, and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us. We intend to use the net proceeds of this offering to fund the Phase 1/2 development of BDTX-189, to identify a lead development candidate and conduct IND-enabling studies in our glioblastoma program and for continued development of our discovery programs and our MAP platform, hiring of additional personnel, capital expenditures, costs of operating as a public company and other general corporate purposes. See "Use of Proceeds."
<b>Directed share program</b>	At our request, the underwriters have reserved for sale, at the initial public offering price, up to shares of our common stock, or up to _____% of the shares of our common stock offered hereby, for certain of our directors, officers, employees, business associates and related persons. See "Underwriting—Directed share program."
<b>Proposed Nasdaq Global Market symbol</b>	"BDTX"
<b>Risk factors</b>	Investment in our common stock involves substantial risks. You should read this prospectus carefully, including the section entitled "Risk Factors" and the financial statements and the related notes to those statements included in this prospectus, before investing in our common stock.

The number of shares of our common stock outstanding after this offering is based on 6,695,460 shares of our common stock outstanding as of September 30, 2019, after giving effect to the automatic conversion of all outstanding shares of our preferred stock into an aggregate of 64,839,353 shares of common stock upon the completion of this offering, and excludes:

- 4,850,721 shares of common stock issuable upon exercise of options outstanding under our 2017 Employee, Director and Consultant Equity Incentive Plan, as amended and restated, or the 2017 Plan, at a weighted-average exercise price of \$2.22 per share as of September 30, 2019;
- 32,442 shares of common stock issuable upon the exercise of warrants to purchase common stock at an exercise price of \$1.00 per share as of September 30, 2019;
- 1,460,392 shares of common stock reserved for issuance under our 2017 Plan as of September 30, 2019, which such shares will cease to be available for issuance at the time our 2020 Stock Option and Incentive Plan becomes effective;
- \_\_\_\_\_ shares of common stock to be reserved for future issuance under our 2020 Stock Option and Incentive Plan to be effective upon the effectiveness of the registration statement of which this prospectus forms a part; and
- \_\_\_\_\_ shares of common stock to be reserved for future issuance under our 2020 Employee Stock Purchase Plan to be effective upon the effectiveness of the registration statement of which this prospectus forms a part.

Except as otherwise noted, all information in this prospectus:

- gives effect to a 1-for \_\_\_\_\_ reverse stock split of our common stock effected on \_\_\_\_\_, and corresponding adjustments to (i) the rate at which shares of our preferred stock convert into shares of our common stock, (ii) the exercise price of all outstanding stock options and warrants and (iii) the number of shares of our common stock subject to each outstanding option and warrant;
- assumes no exercise of the underwriters' option to purchase up to \_\_\_\_\_ additional shares of common stock in this offering;
- assumes no exercise of the outstanding options and warrants described above;
- gives effect to the automatic conversion upon the completion of this offering of all of our outstanding shares of preferred stock into an aggregate of \_\_\_\_\_ shares of common stock;
- assumes the filing of our amended and restated certificate of incorporation and the effectiveness of our amended and restated bylaws, which will occur upon the closing of this offering; and
- assumes no purchase of our common stock by executive officers, directors and stockholders through the directed share program.

## Summary consolidated financial data

You should read the following summary consolidated financial data together with our consolidated financial statements and the related notes appearing elsewhere in this prospectus and the “Selected Consolidated Financial Data” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations” sections of this prospectus. We have derived the consolidated statement of operations data for the years ended December 31, 2017 and 2018 from our audited consolidated financial statements appearing elsewhere in this prospectus. The summary consolidated statements of operations data presented below for the nine months ended September 30, 2018 and 2019 and the summary balance sheet data as of September 30, 2019 have been derived from our unaudited financial statements included elsewhere in this prospectus and have been prepared on the same basis as the audited financial information in those statements. In the opinion of management, the unaudited data reflect all adjustments, consisting only of normal recurring adjustments necessary for a fair statement of the financial information in those statements. Our historical results are not necessarily indicative of the results that may be expected the future, and our results for any interim period are not necessarily indicative of results that may be expected for any full year.

	Year ended December 31,		Nine months ended September 30,	
	2017	2018	2018	2019
(in thousands, except share and per share data)				
<b>Consolidated statement of operations data:</b>				
Operating expenses:				
Research and development (inclusive of \$1,348, \$2,403, \$1,595 and \$8,497, respectively, with a related party)	\$ 3,453	\$ 6,950	\$ 4,571	\$ 14,293
General and administrative (inclusive of \$42, \$325, \$238 and \$357, respectively, with a related party)	666	1,954	1,287	4,695
Total operating expenses	4,119	8,904	5,858	18,988
Loss from operations	(4,119)	(8,904)	(5,858)	(18,988)
Other income (expense):				
Interest expense	(65)	—	—	—
Interest income	—	4	2	21
Loss on extinguishment of convertible promissory notes	(282)	—	—	—
Change in fair value of derivative liabilities	(130)	(15)	—	(6,416)
Other income (expense)	(6)	(16)	(9)	—
Total other income (expense), net	(483)	(27)	(7)	(6,395)
Net loss	(4,602)	(8,931)	(5,865)	(25,383)
Net loss attributable to common stockholders	\$ (4,602)	\$ (8,931)	\$ (5,865)	\$ (25,383)
Net loss per share attributable to common stockholders—basic and diluted <sup>(1)</sup>	\$ (0.79)	\$ (1.47)	\$ (0.97)	\$ (4.10)
Weighted average common shares outstanding—basic and diluted <sup>(1)</sup>	5,802,740	6,089,819	6,069,399	6,194,913
Pro forma net loss attributable to common stockholders outstanding—basic and diluted (unaudited) <sup>(2)</sup>		\$ (0.41)		\$ (0.37)
Pro forma weighted average common shares outstanding—basic and diluted (unaudited) <sup>(2)</sup>		21,701,364		51,614,142

(1) See Note 11 to our consolidated financial statements appearing elsewhere in this prospectus for details on the calculation of basic and diluted net loss per share attributable to common stockholders.

(2) See Note 11 to our consolidated financial statements appearing elsewhere in this prospectus for details on the calculation of basic and diluted pro forma net loss per share attributable to common stockholders.

(in thousands)	As of September 30, 2019		
	Actual	Pro forma <sup>(2)</sup>	Pro forma as adjusted <sup>(3)</sup>
<b>Balance sheet data:</b>			
Cash and cash equivalents	\$ 78,659	\$163,659	\$
Working capital <sup>(1)</sup>	74,306	159,306	
Total assets	80,734	165,734	
Derivative liabilities	39	—	
Convertible preferred stock	115,840	—	
Accumulated deficit	(41,095)	(41,095)	
Total stockholders' equity (deficit)	(39,792)	161,087	

(1) We define working capital as current assets less current liabilities. See our financial statements for further details regarding our current assets and current liabilities.

(2) Pro forma balance sheet data give effect to (i) the issuance and sale of 19,420,124 shares of Series C preferred stock in November 2019, (ii) the automatic conversion of all outstanding shares of convertible preferred stock upon the closing of this offering and (iii) the settlement of our derivative liabilities upon the closing of this offering due to all outstanding warrants to purchase shares of convertible preferred stock becoming warrants to purchase shares of common stock.

(3) The pro forma as adjusted balance sheet data give further effect to the sale by us of \_\_\_\_\_ shares of our common stock offered in this offering, at the initial public offering price of \$ \_\_\_\_\_ per share, the midpoint of the price range set forth on the cover of this prospectus, after deducting underwriting discounts and commissions and estimated offering expenses payable by us.

The pro forma as adjusted information discussed above is illustrative only and will change based on the actual initial public offering price and other terms of this offering determined at pricing. A \$1.00 increase (decrease) in the assumed initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth on the cover page of this prospectus, would increase (decrease) the pro forma as adjusted amount of each of cash, working capital, total assets and total stockholders' equity (deficit) by \$ \_\_\_\_\_ million, assuming that the number of shares offered by us, as set forth on the cover page of this prospectus, remains the same and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us. Similarly, an increase (decrease) of 1,000,000 shares in the number of shares offered by us, as set forth on the cover page of this prospectus, would increase (decrease) the pro forma as adjusted amount of each of cash, working capital, total assets and total stockholders' equity (deficit) by \$ \_\_\_\_\_ million, assuming no change in the assumed initial public offering price of \$ \_\_\_\_\_ per share, the midpoint of the price range set forth on the cover page of this prospectus, and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us.



## Risk factors

*Investing in our common stock involves a high degree of risk. You should carefully consider the risks described below, as well as the other information in this prospectus, including our financial statements and the related notes thereto and the section of this prospectus titled "Management's Discussion and Analysis of Financial Condition and Results of Operations" before you make an investment decision. The occurrence of any of the events or developments described below could harm our business, financial condition, results of operations and prospects. As a result, the market price of our common stock could decline, and you may lose all or part of your investment in our common stock.*

### Risks related to our financial condition and capital requirements

***Our limited operating history may make it difficult for you to evaluate the success of our business to date and to assess our future viability.***

We are a preclinical stage biotechnology company with a limited operating history. We commenced operations in December 2014, and our operations to date have been limited to organizing and staffing our company, business planning, raising capital, conducting discovery and research activities, filing patent applications, identifying potential product candidates, undertaking preclinical studies and establishing arrangements with third parties for the manufacture of initial quantities of our product candidates and component materials. All of our product candidates are still in preclinical development. We have not yet demonstrated our ability to successfully initiate, conduct or complete any clinical trials, obtain marketing approvals, manufacture a commercial-scale product or arrange for a third party to do so on our behalf, or conduct sales, marketing and distribution activities necessary for successful product commercialization. Consequently, any predictions you make about our future success or viability may not be as accurate as they could be if we had a longer operating history.

In addition, as a young business, we may encounter unforeseen expenses, difficulties, complications, delays and other known and unknown factors. We will need to transition at some point from a company with a research and development focus to a company capable of supporting commercial activities. We may not be successful in such a transition.

We expect our financial condition and results of operations to continue to fluctuate significantly from quarter to quarter and year to year due to a variety of factors, many of which are beyond our control. Accordingly, you should not rely upon the results of any quarterly or annual periods as indications of future operating performance.

***We have incurred significant losses since inception, and we expect to incur losses over the next several years and may not be able to achieve or sustain revenues or profitability in the future.***

Investment in biopharmaceutical product development is a highly speculative undertaking and entails substantial upfront capital expenditures and significant risk that any potential product candidate will fail to demonstrate adequate efficacy or an acceptable safety profile, gain regulatory approval and become commercially viable. We are still in the early stages of development of our product candidates and have not yet initiated our first clinical trial. We have no products approved for commercial sale and have not generated any revenue from product sales to date, and we continue to incur significant research and development and other expenses related to our ongoing operations. We have financed our operations primarily through private placements of our preferred stock.

We have incurred significant net losses in each period since we commenced operations in December 2014. For the years ended December 31, 2017 and 2018, we reported net losses of \$4.6 million and \$8.9 million,

respectively. For the nine months ended September 30, 2019, we reported a net loss of \$25.4 million. As of September 30, 2019, we had an accumulated deficit of \$41.1 million. We expect to continue to incur significant losses for the foreseeable future, and we expect these losses to increase substantially if and as we:

- continue our research and development efforts and submit investigational new drug applications, or INDs, for our lead product candidates;
- conduct preclinical studies and clinical trials for our current and future product candidates based on our Mutation—Allostery—Pharmacology, or MAP, platform;
- seek marketing approvals for any product candidates that successfully complete clinical trials;
- experience any delays or encounter any issues with any of the above, including but not limited to failed studies, complex results, safety issues or other regulatory challenges;
- establish a sales, marketing and distribution infrastructure and scale-up manufacturing capabilities, whether alone or with third parties, to commercialize any product candidates for which we may obtain regulatory approval, if any;
- obtain, expand, maintain, enforce and protect our intellectual property portfolio;
- hire additional clinical, regulatory and scientific personnel; and
- operate as a public company.

Because of the numerous risks and uncertainties associated with pharmaceutical product development, we are unable to accurately predict the timing or amount of increased expenses we will incur or when, if ever, we will be able to achieve profitability. Even if we succeed in commercializing one or more of our product candidates, we will continue to incur substantial research and development and other expenditures to develop, seek regulatory approval for and market additional product candidates. We may encounter unforeseen expenses, difficulties, complications, delays and other unknown factors that may adversely affect our business. The size of our future net losses will depend, in part, on the rate of future growth of our expenses and our ability to generate revenue. Our prior losses and expected future losses have had and will continue to have an adverse effect on our stockholders' equity and working capital.

***We have not generated any revenue from our product candidates and may never be profitable.***

Our ability to become profitable depends upon our ability to generate revenue. To date, we have not generated any revenue from any of our product candidates. We do not expect to generate significant revenue unless or until we successfully complete clinical development and obtain regulatory approval of, and then successfully commercialize, at least one of our product candidates. All of our product candidates are in the preclinical stages of development and will require additional preclinical studies, clinical development, regulatory review and approval, substantial investment, access to sufficient commercial manufacturing capacity and significant marketing efforts before we can generate any revenue from product sales. BDTX-189, our most advanced product candidate targeting ErbB family receptors, has yet to enter clinical trials. Our other product candidates are in early preclinical stages. We have not yet administered any of our product candidates in humans and, as such, we face significant translational risk as our product candidates advance to the clinical stage, as promising results in preclinical studies may not be replicated in subsequent clinical trials, and testing on animals may not accurately predict human experience. Our ability to generate revenue depends on a number of factors, including, but not limited to:

- timely completion of our preclinical studies and clinical trials, which may be significantly slower or cost more than we currently anticipate and will depend substantially upon the performance of third-party contractors;

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- our ability to complete IND-enabling studies and successfully submit INDs or comparable applications;
- whether we are required by the U.S. Food and Drug Administration, or the FDA, or similar foreign regulatory authorities to conduct additional clinical trials or other studies beyond those planned to support the approval and commercialization of our product candidates or any future product candidates;
- our ability to demonstrate to the satisfaction of the FDA and similar foreign regulatory authorities the safety, potency, purity, efficacy and acceptable risk to benefit profile of our product candidates or any future product candidates and such regulatory authorities' acceptance of our tumor-agnostic development strategy (i.e., our pursuit of approval based on a biomarker rather than a specific cancer indication);
- the prevalence, duration and severity of potential side effects or other safety issues experienced with our product candidates or future product candidates, if any;
- the timely receipt of necessary marketing approvals from the FDA and similar foreign regulatory authorities;
- the willingness of physicians, operators of clinics and patients to utilize or adopt any of our product candidates or future product candidates over alternative or more conventional therapies, such as chemotherapy, to treat solid tumors;
- the actual and perceived availability, cost, risk profile and side effects and efficacy of our product candidates, if approved, relative to existing and future alternative cancer therapies and competitive product candidates and technologies;
- our ability and the ability of third parties with whom we contract to manufacture adequate clinical and commercial supplies of our product candidates or any future product candidates, remain in good standing with regulatory authorities and develop, validate and maintain commercially viable manufacturing processes that are compliant with current good manufacturing practices, or cGMP;
- our ability to successfully develop a commercial strategy and thereafter commercialize our product candidates or any future product candidates in the United States and internationally, if approved for marketing, reimbursement, sale and distribution in such countries and territories, whether alone or in collaboration with others;
- patient demand for our product candidates and any future product candidates, if approved; and
- our ability to establish and enforce intellectual property rights in and to our product candidates or any future product candidates.

Many of the factors listed above are beyond our control and could cause us to experience significant delays or prevent us from obtaining regulatory approvals or commercializing our product candidates. Even if we are able to commercialize our product candidates, we may not achieve profitability soon after generating product sales, if ever. If we are unable to generate sufficient revenue through the sale of our product candidates or any future product candidates, we may be unable to continue operations without continued funding.

***We will need substantial additional funding. If we are unable to raise capital when needed, we would be compelled to delay, reduce or eliminate our product development programs or commercialization efforts.***

We expect our expenses to increase in parallel with our ongoing activities, particularly as we continue our discovery and preclinical development activities to identify new product candidates and initiate clinical trials of, and seek marketing approval for, our product candidates. In addition, if we obtain marketing approval for any of our product candidates, we expect to incur significant commercialization expenses related to product sales, marketing, manufacturing and distribution. Furthermore, upon the closing of this offering, we expect to incur

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significant additional costs associated with operating as a public company. Accordingly, we will need to obtain substantial additional funding in connection with our continuing operations. However, we have estimated our current additional funding needs based on assumptions that may prove to be wrong. Additionally, changing circumstances may cause us to consume capital significantly faster than we currently anticipate, and we may need to spend more money than currently expected because of circumstances beyond our control. We cannot be certain that additional funding will be available on acceptable terms, or at all. Until such time, if ever, as we can generate substantial product revenue, we expect to finance our operations through a combination of public or private equity offerings, debt financings, governmental funding, collaborations, strategic partnerships and alliances or marketing, distribution or licensing arrangements with third parties. If we are unable to raise capital when needed or on attractive terms, we would be forced to delay, reduce or eliminate our discovery and preclinical development programs or any future commercialization efforts.

We had cash and cash equivalents of \$78.7 million as of September 30, 2019. We estimate that our net proceeds from this offering will be \$            million, based on an assumed initial public offering price of \$            per share, which is the midpoint of the price range set forth on the cover page of this prospectus, after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us. We believe that, based upon our current operating plan, our existing capital resources, including proceeds from issuance of Series C preferred stock in November 2019, together with the net proceeds from this offering will be sufficient to fund our anticipated operations for at least           , including the Phase 1/2 development of BDTX-189, the identification of a lead product candidate and IND-enabling studies in our glioblastoma program, with additional resources for continued development of our MAP platform. Our future capital requirements will depend on many factors, including:

- the scope, progress, results and costs of discovery, preclinical development and clinical trials for our product candidates;
- the extent to which we enter into collaboration arrangements with regard to product discovery or acquire or in-license products or technologies;
- our ability to establish discovery collaborations on favorable terms, if at all;
- the costs, timing and outcome of regulatory review of our product candidates;
- the costs of future commercialization activities, including product sales, marketing, manufacturing and distribution, for any of our product candidates for which we receive marketing approval;
- revenue, if any, received from commercial sales of our product candidates, should any of our product candidates receive marketing approval; and
- the costs of preparing, filing and prosecuting patent applications, obtaining, maintaining, enforcing and protecting our intellectual property rights and defending intellectual property-related claims.

Identifying potential product candidates and conducting preclinical testing and clinical trials is a time-consuming, expensive and uncertain process that takes years to complete, and we may never generate the necessary data or results required to obtain marketing approval and achieve product sales. In addition, our product candidates, if approved, may not achieve commercial success. Our commercial revenues, if any, will be derived from sales of products that we do not expect to be commercially available for many years, if at all. Accordingly, we will need to continue to rely on additional financing to achieve our business objectives. Adequate additional financing may not be available to us on acceptable terms, or at all.

## Risks related to the development of our product candidates

***Our discovery and preclinical development is focused on the development of precision medicines for patients with genetically defined cancers, which is a rapidly evolving area of science, and the approach we are taking to discover and develop drugs is novel and may never lead to marketable products.***

The discovery and development of precision medicines for patients with genetically defined cancers is an emerging field, and the scientific discoveries that form the basis for our efforts to discover and develop product candidates are relatively new. The scientific evidence to support the feasibility of developing product candidates based on these discoveries is both preliminary and limited. Although we believe, based on our preclinical work, that the mutations targeted by our programs are oncogenic drivers, clinical results may not confirm this hypothesis or may only confirm it for certain mutations or certain tumor types. The patient populations for our product candidates are limited to those with specific target mutations and may not be completely defined but are substantially smaller than the general treated cancer population, and we will need to screen and identify these patients with the targeted mutations. Successful identification of patients is dependent on several factors, including achieving certainty as to how specific genetic alterations respond to our product candidates and developing companion diagnostics to identify such genetic alterations. Furthermore, even if we are successful in identifying patients, we cannot be certain that the resulting patient populations for each mutation will be large enough to allow us to successfully obtain approval for each mutation type and commercialize our products and achieve profitability. In addition, even if our approach is successful in showing clinical benefit for tumors harboring the targeted mutations affecting the ErbB proteins EGFR and HER2, we may never successfully identify additional oncogenic mutations for other receptor tyrosine kinases. Therefore, we do not know if our approach of treating patients with genetically defined cancers will be successful, and if our approach is unsuccessful, our business will suffer.

In addition, we are pursuing a tumor-agnostic development strategy (i.e., pursuing approval based on a biomarker rather than a specific cancer indication). There is currently a limited number of approved tumor-agnostic therapies. We may not receive approval for a tumor-agnostic indication or may be delayed in receiving tumor-agnostic approval.

***We are very early in our development efforts and are substantially dependent on our lead product candidate, BDTX-189. If we are unable to advance BDTX-189 or any of our other product candidates through clinical development, obtain regulatory approval and ultimately commercialize BDTX-189 or any of our other product candidates, or experience significant delays in doing so, our business will be materially harmed.***

We are very early in our development efforts. All of our product candidates are still in preclinical development and have never been tested in human subjects. Our ability to generate product revenues, which we do not expect will occur for many years, if ever, will depend heavily on the successful clinical development and eventual commercialization of BDTX-189 and one or more of our other product candidates. In addition, our drug development programs contemplate the development of companion diagnostics, which are assays or tests to identify an appropriate patient population. Companion diagnostics are subject to regulation as medical devices and must themselves be approved for marketing by the FDA or certain other foreign regulatory agencies before we may commercialize our product candidates. The success of our product candidates will depend on several factors, including the following:

- successful completion of preclinical studies;
- approval of INDs for our planned clinical trials or future clinical trials;
- FDA acceptance of our tumor-agnostic development strategy;
- successful initiation of clinical trials;
- successful patient enrollment in and completion of clinical trials;

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- successful development of companion diagnostics for use with our product candidates;
- safety, tolerability and efficacy profiles for our product candidates that are satisfactory to the FDA or any foreign regulatory authority for marketing approval;
- receipt of marketing approvals for our product candidates and any companion diagnostics from applicable regulatory authorities;
- the extent of any required post-marketing approval commitments to applicable regulatory authorities;
- obtaining and maintaining patent and trade secret protection and regulatory exclusivity for our product candidates;
- making arrangements with third-party manufacturers, or establishing manufacturing capabilities, for both clinical and commercial supplies of our product candidates, if any product candidates are approved;
- establishing sales, marketing and distribution capabilities and launching commercial sales of our products, if and when approved, whether alone or in collaboration with others;
- acceptance of our products, if and when approved, by patients, the medical community and third-party payors;
- effectively competing with other cancer therapies;
- obtaining and maintaining third-party coverage and adequate reimbursement; and
- maintaining a continued acceptable safety profile of our products following approval.

There is no guarantee that the results obtained in current preclinical studies or our planned open-label Phase 1/2 clinical trial of BDTX-189 will be sufficient to obtain regulatory approval or marketing authorization for such product candidate. Negative results in the development of our lead product candidate may also impact our ability to obtain regulatory approval for our other product candidates, either at all or within anticipated timeframes because, although other product candidates may target different indications, the underlying technology platform, manufacturing process and development process is the same for all of our product candidates. Accordingly, a failure in any one program may affect the ability to obtain regulatory approval to continue or conduct clinical programs for other product candidates. For example, although we believe based on our preclinical studies that the conformational change to the active site receptor is similar for all of the genetic mutations we are targeting and therefore the chemical structure of BDTX-189 will suffice to bind adequately to such receptor for all such mutations, this may not prove true in clinical testing of BDTX-189 for all or any of the targeted mutations. Moreover, anti-tumor activity may be different in each of the different tumor types we plan on evaluating in the clinical trial. Therefore, even though we plan on pursuing tumor agnostic clinical development of BDTX-189, the tumor response may be low in patients with some cancers compared to others. This may result in discontinuation of development of BDTX-189 for patients with these tumor types and/or mutations due to insufficient clinical benefit while continuing development for a more limited population of patients more likely to benefit. As a consequence, we may have to negotiate with the FDA to reach agreement on defining the optimal patient population, study design and size in order to obtain regulatory approval, any of which may require significant additional resources and delay the timing of our clinical trials and ultimately the approval, if any, of any of our product candidates.

In addition, because we have limited financial and personnel resources and are placing significant focus on the development of our lead product candidate, we may forgo or delay pursuit of opportunities with other future product candidates that later prove to have greater commercial potential. Our resource allocation decisions

may cause us to fail to capitalize on viable commercial products or profitable market opportunities. Our spending on current and future research and development programs and other future product candidates for specific indications may not yield any commercially viable future product candidates. If we do not accurately evaluate the commercial potential or target market for a particular future product candidate, we may relinquish valuable rights to those future product candidates through collaboration, licensing or other royalty arrangements in cases in which it would have been more advantageous for us to retain sole development and commercialization rights to such future product candidates.

***Difficulty in enrolling patients could delay or prevent clinical trials of our product candidates. We may find it difficult to enroll patients in our open-label Phase 1/2 clinical trial for BDTX-189 with the genetic mutations that BDTX-189 is designed to target.***

Identifying and qualifying patients to participate in clinical studies of our product candidates is critical to our success. The timing of completion of our clinical studies depends in part on the speed at which we can recruit patients to participate in testing our product candidates, and we may experience delays in our clinical trials if we encounter difficulties in enrollment. We may not be able to initiate or continue clinical trials for our product candidates if we are unable to locate and enroll a sufficient number of eligible patients to participate in these trials as required by the FDA or similar regulatory authorities outside the United States. In particular, because we are focused on patients with specific genetic mutations, our ability to enroll eligible patients may be limited or may result in slower enrollment than we anticipate. For example, with respect to BDTX-189, we cannot be certain how many patients will have each of the genetic mutations that BDTX-189 is designed to target or that the number of patients enrolled for each mutation will suffice for regulatory approval and inclusion of each such mutation in the approved label. In addition, some of our competitors have ongoing clinical trials for product candidates that treat the same indications as our product candidates, and patients who would otherwise be eligible for our clinical trials may instead enroll in clinical trials of our competitors' product candidates.

In addition to the potentially small populations, the eligibility criteria of our planned clinical trials will further limit the pool of available study participants as we will require that patients have specific characteristics that we can measure to assure their disease is either severe enough or not too advanced to include them in a study. Additionally, the process of finding and diagnosing patients may prove costly. We also may not be able to identify, recruit and enroll a sufficient number of patients to complete our clinical studies because of the perceived risks and benefits of the product candidate under study, the availability and efficacy of competing therapies and clinical trials, the proximity and availability of clinical study sites for prospective patients, the availability of genetic sequencing information for patient tumors so that we can identify patients with the targeted genetic mutations, and the patient referral practices of physicians. If patients are unwilling to participate in our studies for any reason, the timeline for recruiting patients, conducting studies and obtaining regulatory approval of potential products may be delayed.

We intend to engage third parties to develop companion diagnostics for use in our clinical trials, but such third parties may not be successful in developing such companion diagnostics, furthering the difficulty in identifying patients with the targeted genetic mutations for our clinical trials. Further, if we are unable to include patients with the targeted genetic mutations, this could compromise our ability to seek participation in FDA's expedited review and development programs, including Breakthrough Therapy Designation and Fast Track Designation, or otherwise seek to accelerate clinical development and regulatory timelines.

The enrollment of patients further depends on many factors, including:

- the proximity of patients to clinical trial sites;
- the design of the clinical trial;

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- our ability to recruit clinical trial investigators with the appropriate competencies and experience;
- our ability to obtain and maintain patient consents;
- reporting of the preliminary results of any of our clinical trials; and
- the risk that patients enrolled in clinical trials will drop out of the clinical trials before clinical trial completion.

In addition, our clinical trials will compete with other clinical trials for product candidates that are in the same therapeutic areas as our product candidates, and this competition will reduce the number and types of patients available to us because some patients who might have opted to enroll in our clinical trials may instead opt to enroll in a clinical trial being conducted by one of our competitors. Since the number of qualified clinical investigators is limited, we expect to conduct some of our clinical trials at the same clinical trial sites that some of our competitors use, which will reduce the number of patients who are available for our clinical trials at such clinical trial sites. Moreover, because our product candidates represent a departure from more commonly used methods for cancer treatment and because our product candidates have not been tested in humans before, potential patients and their doctors may be inclined to use conventional therapies, such as chemotherapy, rather than enroll patients in any future clinical trial. Additionally, because our clinical trials are in patients with relapsed/refractory cancer, the patients are typically in the late stages of their disease and may experience disease progression independent from our product candidates, making them unevaluable for purposes of the clinical trial and requiring additional patient enrollment.

If we experience delays in the completion of, or termination of, any clinical trial of our product candidates, the commercial prospects of our product candidates will be harmed, and our ability to generate product revenue from any of these product candidates could be delayed or prevented.

### ***We have no experience as a company in conducting clinical trials.***

We have no experience as a company in conducting clinical trials. In part because of this lack of experience, we cannot be certain that our ongoing preclinical studies will be completed on time or if the planned preclinical studies and clinical trials will begin or be completed on time, if at all. Large-scale clinical trials would require significant additional financial and management resources and reliance on third-party clinical investigators, contract research organizations, or CROs, and consultants. Relying on third-party clinical investigators, CROs and consultants may force us to encounter delays that are outside of our control. We may be unable to identify and contract with sufficient investigators, CROs and consultants on a timely basis or at all. For our lead product candidate, BDTX-189, we recently entered in to a master services agreement with a CRO to lead our first-in-human planned open label Phase 1/2 clinical trial. There can be no assurance that we will be able to negotiate and enter into any additional master services agreement with other CROs, as necessary, on terms that are acceptable to us on a timely basis or at all.

### ***Our preclinical studies and clinical trials may fail to demonstrate adequately the safety, potency, purity and efficacy of any of our product candidates, which would prevent or delay development, regulatory approval and commercialization.***

Before obtaining regulatory approvals for the commercial sale of our product candidates, including BDTX-189, we must demonstrate through lengthy, complex and expensive preclinical studies and clinical trials that our product candidates are both safe and effective for use in each target indication. Preclinical and clinical testing is expensive and can take many years to complete, and its outcome is inherently uncertain. Failure can occur at any time during the preclinical study and clinical trial processes, and, because our product candidates are in an early stage of development, there is a high risk of failure and we may never succeed in developing marketable products.



The results of preclinical studies and early clinical trials of our product candidates may not be predictive of the results of later-stage clinical trials. Although product candidates may demonstrate promising results in preclinical studies and early clinical trials, they may not prove to be effective in subsequent clinical trials. For example, testing on animals occurs under different conditions than testing in humans and therefore, the results of animal studies may not accurately predict human experience. There is typically an extremely high rate of attrition from the failure of product candidates proceeding through preclinical studies and clinical trials. Product candidates in later stages of clinical trials may fail to show the desired safety, potency, purity and efficacy profile despite having progressed through preclinical studies and initial clinical trials. Likewise, early, smaller-scale clinical trials may not be predictive of eventual safety or effectiveness in large-scale pivotal clinical trials. A number of companies in the biopharmaceutical industry have suffered significant setbacks in advanced clinical trials due to lack of potency or efficacy, insufficient durability of potency or efficacy or unacceptable safety issues, notwithstanding promising results in earlier trials. Most product candidates that commence preclinical studies and clinical trials are never approved as products.

Any preclinical studies or clinical trials that we may conduct may not demonstrate the safety, potency, purity and efficacy necessary to obtain regulatory approval to market our product candidates. If the results of our ongoing or future preclinical studies and clinical trials are inconclusive with respect to the safety, potency, purity and efficacy of our product candidates, if we do not meet the clinical endpoints with statistical and clinically meaningful significance, or if there are safety concerns associated with our product candidates, we may be prevented or delayed in obtaining marketing approval for such product candidates. In some instances, there can be significant variability in safety, potency, purity or efficacy results between different preclinical studies and clinical trials of the same product candidate due to numerous factors, including changes in trial procedures set forth in protocols, differences in the size and type of the patient populations, changes in and adherence to the clinical trial protocols and the rate of dropout among clinical trial participants. While we have not yet initiated clinical trials for any of our product candidates, as is the case with all oncology drugs, it is likely that there may be side effects associated with their use. Results of our trials could reveal a high and unacceptable severity and prevalence of these or other side effects. In such an event, our trials could be suspended or terminated and the FDA or comparable foreign regulatory authorities could order us to cease further development of or deny approval of our product candidates for any or all targeted indications. Drug-related side effects could also affect patient recruitment or the ability of enrolled patients to complete the trial or result in potential product liability claims. Any of these occurrences may harm our business, financial condition and prospects significantly.

Further, our product candidates could cause undesirable side effects in clinical trials related to on-target toxicity. For example, other EGFR inhibitors have experienced dose limiting toxicities due to rash in patients and, although we have designed BDTX-189 to be “wild-type” sparing to limit the risk of similar toxicities, clinical results may differ and patients may also experience similar or different toxicities that limit the dose and/or efficacy of BDTX-189. If on-target toxicity is observed, or if our product candidates have characteristics that are unexpected, we may need to abandon their development or limit development to more narrow uses or subpopulations in which the undesirable side effects or other characteristics are less prevalent, less severe or more acceptable from a risk-benefit perspective. Many compounds that initially showed promise in early stage testing for treating cancer have later been found to cause side effects that prevented further development of the compound.

***We may not be able to file INDs or IND amendments to commence additional clinical trials on the timelines we expect, and even if we are able to, the FDA may not permit us to proceed.***

We submitted an IND for BDTX-189 in November 2019 but we may not be able to file INDs for our other product candidates on the timelines we expect. For example, we may experience manufacturing delays or other delays with IND-enabling studies. Moreover, we cannot be sure that submission of an IND will result in the FDA

allowing further clinical trials to begin, or that, once begun, issues will not arise that suspend or terminate clinical trials. Additionally, even if such regulatory authorities agree with the design and implementation of the clinical trials set forth in an IND, we cannot guarantee that such regulatory authorities will not change their requirements in the future. These considerations also apply to new clinical trials we may submit as amendments to existing INDs or to a new IND. Any failure to file INDs on the timelines we expect or to obtain regulatory approvals for our trials may prevent us from completing our clinical trials or commercializing our products on a timely basis, if at all.

***Failure to successfully validate, develop and obtain regulatory approval for companion diagnostics for our product candidates could harm our drug development strategy and operational results.***

As one of the central elements of our business strategy and approach, we seek to screen and identify subsets of patients with a genetic alteration who may derive meaningful benefit from our development product candidates. To achieve this, our product development program is dependent on the development and commercialization of a companion diagnostic by us or by third party collaborators. Companion diagnostics are developed in conjunction with clinical programs for the associated product and are subject to regulation as medical devices. Each agency that approves a product candidate will independently need to approve the companion diagnostic before or concurrently with its approval of the product candidate, and before a product can be commercialized. The approval of a companion diagnostic as part of the product label will also limit the use of the product candidate to only those patients who express the specific genetic alteration it was developed to detect.

Companion diagnostics are subject to regulation by the FDA and comparable foreign regulatory authorities as medical devices and require separate clearance or approval prior to their commercialization. To date, the FDA has required premarket approval of all companion diagnostics for cancer therapies. We and our third-party collaborators may encounter difficulties in developing and obtaining approval for these companion diagnostics. Any delay or failure by us or third-party collaborators to develop or obtain regulatory approval of a companion diagnostic could delay or prevent approval of our related product candidates.

***Since the number of patients that we plan to dose in our planned open-label Phase 1/2 clinical trial of BDTX-189 is small, the results from such clinical trial, once completed, may be less reliable than results achieved in larger clinical trials, which may hinder our efforts to obtain regulatory approval for our product candidates.***

In our planned open-label Phase 1/2 clinical trial of BDTX-189, we plan to evaluate the safety profile of BDTX-189 and establish the recommended Phase 2 dose in patients with bladder cancer, endometrial cancer, breast cancer, gastric cancer, colon cancer and non-small cell lung cancer, or NSCLC, and other solid tumors. The Phase 1 portion of the trial is expected to enroll up to 84 patients with solid tumors that have alterations likely to be associated with anti-tumor activity based on preclinical studies as well as some patients with the targeted genetic mutations and is designed to establish the recommended dose for the Phase 2 portion of the trial. The Phase 1 portion may have to evaluate different dosing schedules if the pharmacokinetic or safety data suggest once daily dosing is suboptimal. This may delay initiation of the Phase 2 portion. The open-label Phase 2 portion of the trial is expected to enroll up to 100 patients with the targeted mutations to evaluate efficacy as determined by objective response rate, or ORR, a measure of tumor response and tumor duration response, or DOR. This portion may need to be expanded to provide additional safety and efficacy data to support an application for accelerated approval even if tumor response and duration is adequate. The preliminary results of clinical trials with smaller sample sizes, such as our planned open-label Phase 1/2 clinical trial of BDTX-189, can be disproportionately influenced by various biases associated with the conduct of small clinical trials, such as the potential failure of the smaller sample size to accurately depict the features of the broader patient population, which limits the ability to generalize the results across a broader community, thus making the clinical trial results less reliable than clinical trials with a larger number of patients. As a result, there may be

less certainty that such product candidates would achieve a statistically significant effect in any future clinical trials. If we conduct any future clinical trials of BDTX-189, we may not achieve a statistically significant result or the same level of statistical significance, if any, that we might have anticipated based on the results observed in our initial open-label Phase 1/2 clinical trial.

Further, clinical trials by their nature utilize a sample of the potential patient population. With a limited number of patients and limited duration of exposure, rare and severe side effects of our product candidates may only be uncovered with a significantly larger number of patients exposed to the drug candidate. If our product candidates receive marketing approval and we or others identify undesirable side effects caused by such product candidates (or any other similar drugs) after such approval, a number of potentially significant negative consequences could result, including:

- regulatory authorities may withdraw or limit their approval of such product candidates;
- regulatory authorities may require the addition of labeling statements, such as a “boxed” warning or a contraindication;
- we may be required to change the way such product candidates are distributed or administered, conduct additional clinical trials or change the labeling of the product candidates;
- regulatory authorities may require a Risk Evaluation and Mitigation Strategy, or REMS, plan to mitigate risks, which could include medication guides, physician communication plans, or elements to assure safe use, such as restricted distribution methods, patient registries and other risk minimization tools;
- we may be subject to regulatory investigations and government enforcement actions;
- we may decide to remove such product candidates from the marketplace;
- we could be sued and held liable for injury caused to individuals exposed to or taking our product candidates; and
- our reputation may suffer.

We believe that any of these events could prevent us from achieving or maintaining market acceptance of the affected product candidates and could substantially increase the costs of commercializing our product candidates, if approved, and significantly impact our ability to successfully commercialize our product candidates and generate revenues.

***Clinical development involves a lengthy and expensive process with an uncertain outcome, and results of earlier studies and trials may not be predictive of future clinical trial results. We may encounter substantial delays in clinical trials, or may not be able to conduct or complete clinical trials on the expected timelines, if at all. If our preclinical studies and clinical trials are not sufficient to support regulatory approval of any of our product candidates, we may incur additional costs or experience delays in completing, or ultimately be unable to complete, the development of such product candidate.***

All of our lead product candidates are in preclinical development and their risk of failure is high. It is impossible to predict when or if any of our product candidates will prove effective and safe in humans or will receive regulatory approval. Before obtaining marketing approval from regulatory authorities for the sale of any drug candidate, we must complete preclinical studies and then conduct extensive clinical trials to demonstrate the safety and efficacy of our product candidates in humans. A failure of one or more clinical trials can occur at any stage of testing. The outcome of preclinical development testing and early clinical trials may not be predictive of the success of later clinical trials, and interim results of a clinical trial do not necessarily predict final results. Moreover, preclinical and clinical data are often susceptible to varying interpretations and analyses, and many

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companies that have believed their product candidates performed satisfactorily in preclinical studies and clinical trials have nonetheless failed to obtain marketing approval of their product candidates. Our pre-clinical studies and future clinical trials may not be successful.

We cannot be certain that our preclinical study and clinical trial results will be sufficient to support regulatory approval of our product candidates. Clinical testing is expensive and can take many years to complete, and its outcome is inherently uncertain. Human clinical trials are expensive and difficult to design and implement, in part because they are subject to rigorous regulatory requirements. Failure or delay can occur at any time during the clinical trial process.

Additionally, some of the clinical trials we conduct may be open-label in study design and may be conducted at a limited number of clinical sites on a limited number of patients. An “open-label” clinical trial is one where both the patient and investigator know whether the patient is receiving the investigational product candidate or either an existing approved drug or placebo. Most typically, open-label clinical trials test only the investigational product candidate and sometimes may do so at different dose levels. Open-label clinical trials are subject to various limitations that may exaggerate any therapeutic effect as patients in open-label clinical trials are aware when they are receiving treatment. Open-label clinical trials may be subject to a “patient bias” where patients perceive their symptoms to have improved merely due to their awareness of receiving an experimental treatment. Moreover, patients selected for early clinical studies often include the most severe sufferers and their symptoms may have been bound to improve notwithstanding the new treatment. In addition, open-label clinical trials may be subject to an “investigator bias” where those assessing and reviewing the physiological outcomes of the clinical trials are aware of which patients have received treatment and may interpret the information of the treated group more favorably given this knowledge. Given that our planned open-label Phase 1/2 clinical trial of BDTX-189 includes an open-label dosing design, the results from this clinical trial may not be predictive of future clinical trial results with this or other product candidates for which we conduct an open-label clinical trial when studied in a controlled environment with a placebo or active control.

We may experience delays in obtaining the FDA’s authorization to initiate clinical trials under future INDs, completing ongoing preclinical studies of our other product candidates, and initiating our planned preclinical studies and clinical trials. Additionally, we cannot be certain that preclinical studies or clinical trials for our product candidates will begin on time, not require redesign, enroll an adequate number of subjects on time, or be completed on schedule, if at all. Clinical trials can be delayed or terminated for a variety of reasons, including delays or failures related to:

- the FDA or comparable foreign regulatory authorities disagreeing as to the design or implementation of our clinical trials;
- the FDA or comparable foreign regulatory authorities disagreeing with our tumor-agnostic development strategy;
- delays in obtaining regulatory approval to commence a clinical trial;
- reaching agreement on acceptable terms with prospective CROs and clinical trial sites, the terms of which can be subject to extensive negotiation and may vary significantly among different CROs and clinical trial sites;
- obtaining Institutional Review Board, or IRB, approval at each clinical trial site;
- recruiting an adequate number of suitable patients to participate in a clinical trial;
- the number of patients required for clinical trials of our product candidates may be larger than we anticipate;
- having subjects complete a clinical trial or return for post-treatment follow-up;

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- clinical trial sites deviating from clinical trial protocol or dropping out of a clinical trial;
- addressing subject safety concerns that arise during the course of a clinical trial;
- adding a sufficient number of clinical trial sites; or
- obtaining sufficient product supply of product candidate for use in preclinical studies or clinical trials from third-party suppliers.

We may experience numerous adverse or unforeseen events during, or as a result of, preclinical studies and clinical trials that could delay or prevent our ability to receive marketing approval or commercialize our product candidates, including:

- we may receive feedback from regulatory authorities that requires us to modify the design of our clinical trials;
- clinical trials of our product candidates may produce negative or inconclusive results, and we may decide, or regulators may require us, to conduct additional clinical trials or abandon our research efforts for our other product candidates;
- clinical trials of our product candidates may not produce differentiated or clinically significant results across tumor types or indications;
- the number of patients required for clinical trials of our product candidates may be larger than we anticipate, enrollment in these clinical trials may be slower than we anticipate or participants may drop out of our clinical trials at a higher rate than we anticipate;
- our third-party contractors may fail to comply with regulatory requirements, fail to maintain adequate quality controls or be unable to provide us with sufficient product supply to conduct and complete preclinical studies or clinical trials of our product candidates in a timely manner, or at all;
- we or our investigators might have to suspend or terminate clinical trials of our product candidates for various reasons, including non-compliance with regulatory requirements, a finding that our product candidates have undesirable side effects or other unexpected characteristics or a finding that the participants are being exposed to unacceptable health risks;
- the cost of clinical trials of our product candidates may be greater than we anticipate, for example, if we experiences delays or challenges in identifying patients with the mutations required for our clinical trials, we may have to reimburse sites for genetic sequencing costs in order to encourage sequencing of additional patients;
- the quality of our product candidates or other materials necessary to conduct preclinical studies or clinical trials of our product candidates may be insufficient or inadequate, and any transfer of manufacturing activities may require unforeseen manufacturing or formulation changes;
- regulators may revise the requirements for approving our product candidates, or such requirements may not be as we anticipate; and
- future collaborators may conduct clinical trials in ways they view as advantageous to them but that are suboptimal for us.

If we are required to conduct additional clinical trials or other testing of our product candidates beyond those that we currently contemplate, if we are unable to successfully complete clinical trials of our product candidates or other testing, if the results of these trials or tests are not positive or are only moderately positive or if there are safety concerns, our business and results of operations may be adversely affected and we may incur significant additional costs.

We could also encounter delays if a clinical trial is suspended or terminated by us, by the IRBs of the institutions in which such clinical trials are being conducted, by the Data Safety Monitoring Board, if any, for such clinical trial or by the FDA or other regulatory authorities. Such authorities may suspend or terminate a clinical trial due to a number of factors, including failure to conduct the clinical trial in accordance with regulatory requirements or our clinical trial protocols, inspection of the clinical trial operations or trial site by the FDA or other regulatory authorities resulting in the imposition of a clinical hold, unforeseen safety issues or adverse side effects, failure to demonstrate a benefit from the product candidates, changes in governmental regulations or administrative actions or lack of adequate funding to continue the clinical trial.

Moreover, principal investigators for our future clinical trials may serve as scientific advisors or consultants to us from time to time and receive compensation in connection with such services. Under certain circumstances, we may be required to report some of these relationships to the FDA or comparable foreign regulatory authorities. The FDA or comparable foreign regulatory authority may conclude that a financial relationship between us and a principal investigator has created a conflict of interest or otherwise affected interpretation of the study. The FDA or comparable foreign regulatory authority may therefore question the integrity of the data generated at the applicable clinical trial site and the utility of the clinical trial itself may be jeopardized. This could result in a delay in approval, or rejection, of our marketing applications by the FDA or comparable foreign regulatory authority, as the case may be, and may ultimately lead to the denial of marketing approval of one or more of our product candidates.

If we experience delays in the completion, or termination, of any preclinical study or clinical trial of our product candidates, the commercial prospects of our product candidates may be harmed, and our ability to generate revenues from any of these product candidates will be delayed or not realized at all. In addition, any delays in completing our preclinical studies or clinical trials may increase our costs, slow down our product candidate development and approval process and jeopardize our ability to commence product sales and generate revenues. Any of these occurrences may significantly harm our business, financial condition and prospects. In addition, many of the factors that cause, or lead to, a delay in the commencement or completion of clinical trials may also ultimately lead to the denial of regulatory approval of our product candidates. If one or more of our product candidates generally prove to be ineffective, unsafe or commercially unviable, our entire pipeline and MAP platform would have little, if any, value, which would have a material and adverse effect on our business, financial condition, results of operations and prospects.

***We may in the future conduct clinical trials for product candidates outside the United States, and the FDA and comparable foreign regulatory authorities may not accept data from such trials.***

We may in the future choose to conduct one or more clinical trials outside the United States, including in Europe. The acceptance of study data from clinical trials conducted outside the United States or another jurisdiction by the FDA or comparable foreign regulatory authority may be subject to certain conditions or may not be accepted at all. In cases where data from foreign clinical trials are intended to serve as the basis for marketing approval in the United States, the FDA will generally not approve the application on the basis of foreign data alone unless (i) the data are applicable to the U.S. population and U.S. medical practice; and (ii) the trials were performed by clinical investigators of recognized competence and pursuant to good clinical practice, or GCP, regulations. Additionally, the FDA's clinical trial requirements, including sufficient size of patient populations and statistical powering, must be met. Many foreign regulatory authorities have similar approval requirements. In addition, such foreign trials would be subject to the applicable local laws of the foreign jurisdictions where the trials are conducted. There can be no assurance that the FDA or any comparable foreign regulatory authority will accept data from trials conducted outside of the United States or the applicable jurisdiction. If the FDA or any comparable foreign regulatory authority does not accept such data, it would result in the need for additional trials, which could be costly and time-consuming, and which may result in

product candidates that we may develop not receiving approval for commercialization in the applicable jurisdiction.

***Our approach to the discovery and development of product candidates is unproven, and we may not be successful in our efforts to use and expand our MAP platform to build a pipeline of product candidates with commercial value.***

A key element of our strategy is to use and expand our MAP platform to build a pipeline of product candidates and progress these product candidates through clinical development for the treatment of various cancers. Although our research and development efforts to date have resulted in our discovery and preclinical development of BDTX-189, BDTX-189 may not be safe or effective as a cancer treatment, and we may not be able to develop any other product candidates. Our MAP platform is evolving and may not reach a state at which building a pipeline of product candidates is possible. For example, we may not be successful in identifying additional genetic mutations which are oncogenic and which can be “basketed” into a group that is large enough to present a sufficient commercial opportunity or that is druggable with one chemical compound. Even if we are successful in building our pipeline of product candidates, the potential product candidates that we identify may not be suitable for clinical development or generate acceptable clinical data, including as a result of being shown to have unacceptable toxicity or other characteristics that indicate that they are unlikely to be products that will receive marketing approval from the FDA or other regulatory authorities or achieve market acceptance. If we do not successfully develop and commercialize product candidates, we will not be able to generate product revenue in the future, which likely would result in significant harm to our financial position and adversely affect our stock price.

***We will rely on third parties to manufacture our clinical product supplies, and we may rely on third parties to produce and process our product candidates, if approved.***

We do not currently own any facility that may be used as our clinical scale manufacturing facility and expect to rely on outside vendors to manufacture supplies of our product candidates. We will need to negotiate and maintain contractual arrangements with these outside vendors for the supply of our product candidates and we may not be able to do so on favorable terms. We have not yet caused any product candidates to be manufactured on a commercial scale and may not be able to do so for any of our product candidates.

The facilities used by our contract manufacturers to manufacture our product candidates must be approved by the FDA or other foreign regulatory authorities following inspections that will be conducted after we submit an application to the FDA or other foreign regulatory authorities. We may not control the manufacturing process of, and may be completely dependent on, our contract manufacturing partners for compliance with cGMPs and any other regulatory requirements of the FDA or other regulatory authorities for the manufacture of our product candidates. Beyond periodic audits, we have no control over the ability of our contract manufacturers to maintain adequate quality control, quality assurance and qualified personnel. If the FDA or a comparable foreign regulatory authority does not approve these facilities for the manufacture of our product candidates or if it withdraws any approval in the future, we may need to find alternative manufacturing facilities, which would require the incurrence of significant additional costs and significantly impact our ability to develop, obtain regulatory approval for or market our product candidates, if approved. Similarly, if any third-party manufacturers on which we will rely fail to manufacture quantities of our product candidates at quality levels necessary to meet regulatory requirements and at a scale sufficient to meet anticipated demand at a cost that allows us to achieve profitability, our business, financial condition and prospects could be materially and adversely affected.



***Manufacturing our product candidates is complex and we may encounter difficulties in production. If we encounter such difficulties, our ability to provide supply of our product candidates for preclinical studies and clinical trials or for commercial purposes could be delayed or stopped.***

The process of manufacturing of our product candidates is complex and highly regulated.

We rely on third parties for the manufacture of our product candidates. These third-party manufacturers may incorporate their own proprietary processes into our product candidate manufacturing processes. We have limited control and oversight of a third party's proprietary process, and a third party may elect to modify its process without our consent or knowledge. These modifications could negatively impact our manufacturing, including product loss or failure that requires additional manufacturing runs or a change in manufacturer, both of which could significantly increase the cost of and significantly delay the manufacture of our product candidates.

As our product candidates progress through preclinical studies and clinical trials towards approval and commercialization, it is expected that various aspects of the manufacturing process will be altered in an effort to optimize processes and results. Such changes may require amendments to be made to regulatory applications which may further delay the timeframes under which modified manufacturing processes can be used for any of our product candidates and additional bridging studies or trials may be required.

We do not have our own clinical-scale manufacturing facility and are currently reliant on a limited number of manufacturers for our product candidates. These third-party manufacturing providers may not be able to provide adequate resources or capacity to meet our needs.

***The market opportunities for our product candidates may be relatively small as it will be limited to those patients who are ineligible for or have failed prior treatments and our estimates of the prevalence of our target patient populations may be inaccurate.***

Cancer therapies are sometimes characterized as first line, second line, or third line, and the FDA often approves new therapies initially only for a particular line of use. When cancer is detected early enough, first line therapy is sometimes adequate to cure the cancer or prolong life without a cure. Whenever first line therapy, usually chemotherapy, antibody drugs, tumor-targeted small molecules, hormone therapy, radiation therapy, surgery, or a combination of these, proves unsuccessful, second line therapy may be administered. Second line therapies often consist of more chemotherapy, radiation, antibody drugs, tumor-targeted small molecules, or a combination of these. Third line therapies can include chemotherapy, antibody drugs and small molecule tumor-targeted therapies, more invasive forms of surgery and new technologies. We expect to initially seek approval of our product candidates in most instances at least as a second or third line therapy, for use in patients with relapsed or refractory metastatic cancer. Subsequently, for those product candidates that prove to be sufficiently safe and beneficial, if any, we would expect to seek approval as a second line therapy and potentially as a first line therapy, but there is no guarantee that our product candidates, even if approved as a second or third or subsequent line of therapy, would be approved for an earlier line of therapy, and, prior to any such approvals, we may have to conduct additional clinical trials.

Our projections of both the number of people who have the cancers we are targeting, who may have their tumors genetically sequenced, as well as the subset of people with these cancers in a position to receive a particular line of therapy and who have the potential to benefit from treatment with our product candidates, are based on our beliefs and estimates. These estimates have been derived from a variety of sources, including scientific literature, surveys of clinics, patient foundations or market research, and may prove to be incorrect. Further, new therapies may change the estimated incidence or prevalence of the cancers that we are targeting. Consequently, even if our product candidates are approved for a second or third line of therapy, the number of patients that may be eligible for treatment with our product candidates may turn out to be much lower than



expected. In addition, we have not yet conducted market research to determine how treating physicians would expect to prescribe a product that is approved for multiple tumor types if there are different lines of approved therapies for each such tumor type.

***We currently have no marketing and sales organization and have no experience in marketing products. If we are unable to establish marketing and sales capabilities or enter into agreements with third parties to market and sell our product candidates, if approved, we may not be able to generate product revenue.***

We currently have no sales, marketing or distribution capabilities and have no experience in marketing products. We intend to develop an in-house marketing organization and sales force, which will require significant capital expenditures, management resources and time. We will have to compete with other pharmaceutical and biotechnology companies to recruit, hire, train and retain marketing and sales personnel.

If we are unable or decide not to establish internal sales, marketing and distribution capabilities, we will pursue arrangements with third-party sales, marketing, and distribution collaborators regarding the sales and marketing of our products, if approved. However, there can be no assurance that we will be able to establish or maintain such arrangements on favorable terms or if at all, or if we are able to do so, that these third-party arrangements will provide effective sales forces or marketing and distribution capabilities. Any revenue we receive will depend upon the efforts of such third parties, which may not be successful. We may have little or no control over the marketing and sales efforts of such third parties and our revenue from product sales may be lower than if we had commercialized our product candidates ourselves. We also face competition in our search for third parties to assist us with the sales and marketing efforts of our product candidates.

There can be no assurance that we will be able to develop in-house sales and distribution capabilities or establish or maintain relationships with third-party collaborators to commercialize any product in the United States or overseas.

***A variety of risks associated with marketing our product candidates internationally could materially adversely affect our business.***

We plan to seek regulatory approval of our product candidates outside of the United States and, accordingly, we expect that we will be subject to additional risks related to operating in foreign countries if we obtain the necessary approvals, including:

- differing regulatory requirements in foreign countries, for example, no country other than the United States has a pathway for accelerated drug approval and so obtaining regulatory approvals outside of the United States will take longer and be more costly than obtaining approval in the United States;
- unexpected changes in tariffs, trade barriers, price and exchange controls and other regulatory requirements;
- economic weakness, including inflation, or political instability in particular foreign economies and markets;
- compliance with tax, employment, immigration and labor laws for employees living or traveling abroad;
- foreign taxes, including withholding of payroll taxes;
- foreign currency fluctuations, which could result in increased operating expenses and reduced revenue, and other obligations incident to doing business in another country;
- difficulties staffing and managing foreign operations;
- workforce uncertainty in countries where labor unrest is more common than in the United States;

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- potential liability under the Foreign Corrupt Practices Act of 1977 or comparable foreign regulations;
- challenges enforcing our contractual and intellectual property rights, especially in those foreign countries that do not respect and protect intellectual property rights to the same extent as the United States;
- production shortages resulting from any events affecting raw material supply or manufacturing capabilities abroad; and
- business interruptions resulting from geo-political actions, including war and terrorism.

These and other risks associated with international operations may materially adversely affect our ability to attain or maintain profitable operations.

***We may expend our limited resources to pursue a particular product candidate or indication and fail to capitalize on product candidates or indications that may be more profitable or for which there is a greater likelihood of success.***

Because we have limited financial and managerial resources, we must focus on a limited number of research programs and product candidates and on specific indications. As a result, we may forego or delay pursuit of opportunities with other product candidates or for other indications that later prove to have greater commercial potential. Our resource allocation decisions may cause us to fail to capitalize on viable commercial products or profitable market opportunities. Our spending on current and future discovery and preclinical development programs and product candidates for specific indications may not yield any commercially viable products.

***We face substantial competition, which may result in others discovering, developing or commercializing products before or more successfully than we do.***

The biotechnology and pharmaceutical industries utilize rapidly advancing technologies and are characterized by intense competition. While we believe that our scientific knowledge, platform technology and development expertise provide us with competitive advantages, we face potential competition from many different sources, including major pharmaceuticals, specialty pharmaceuticals and biotechnology companies, academic institutions and government agencies, and public and private research institutes that conduct research, development, manufacturing and commercialization. Many of our competitors have significantly greater financial resources and expertise in research and development, manufacturing, preclinical testing, regulatory approvals and product marketing than we do. Our competitors may compete with us in recruiting and retaining qualified scientific and management personnel and establishing clinical trial sites and patient registration for clinical trials, as well as in acquiring technologies complementary to, or necessary for, our programs. As a result, our competitors may discover, develop, license or commercialize products before or more successfully than we do.

Product candidates that we successfully develop and commercialize will compete with existing therapies and new therapies that may become available in the future. Specifically, we expect that BDTX-189 will compete against approved drugs, including neratinib, which is marketed by Puma Biotechnology under the trade name Nerlynx, osimertinib, which is marketed by AstraZeneca plc under the trade name Tagrisso and trastuzumab deruxtecan (DS-8201), developed by Daiichi Sankyo Company Ltd. and AstraZeneca plc, which received FDA approval in December 2019. In the allosteric HER2 patient population we expect competition from drugs in late-stage clinical development, including ZW25 and ZW49, which is under development by Zymeworks Inc. and Beigene Co., Ltd. We also expect BDTX-189 will compete in exon20 insertion patient population against drugs under development, including poziotinib, which is under development by Spectrum Pharmaceuticals, Inc.; tarloxotinib, which is under development by Rain Therapeutics Inc.; and TAK-788, which is under development by Takeda Pharmaceutical Company Ltd.

If our drug candidates, including BDTX-189, are approved for the indications for which we are currently planning clinical trials, they will likely compete with the competitor drugs mentioned above and with other drugs that are currently in development. Key product features that would affect our ability to effectively compete with other therapeutics include the efficacy, safety and convenience of our products. Our competitors may obtain patent protection or other intellectual property rights that limit our ability to develop or commercialize our product candidates. The availability of reimbursement from government and other third-party payors will also significantly affect the pricing and competitiveness of our products. Our competitors may also obtain FDA or other regulatory approval for their products more rapidly than we may obtain approval for ours, which could result in our competitors establishing a strong market position before we are able to enter the market. For additional information regarding our competition, see “Business—Competition.”

## Risks related to government regulation

***We are very early in our development efforts. All of our product candidates are still in preclinical development. If we are unable to advance our product candidates to clinical development, obtain regulatory approval and ultimately commercialize our product candidates or experience significant delays in doing so, our business will be materially harmed.***

We are very early in our development efforts, and all of our product candidates are still in preclinical development. We have invested substantially all of our efforts and financial resources in the identification and preclinical development of our product candidates, including the development of our initial product candidate, BDTX-189. Our ability to generate product revenues, which we do not expect will occur for many years, if ever, will depend on the successful development, approval and eventual commercialization of our product candidates, which may never occur. We currently generate no revenue from sales of any products, and we may never be able to develop or commercialize a marketable product. The success of our product candidates will depend on several factors, including the following:

- successful completion of preclinical studies;
- approval of INDs for our planned clinical trials or future clinical trials;
- FDA acceptance of our tumor-agnostic development strategy;
- successful enrollment in future clinical trials;
- positive results from future clinical trials that are supportive of safety and efficacy in the intended patient populations;
- successful development of companion diagnostics for use with certain of our product candidates;
- receipt of regulatory approvals from applicable regulatory authorities;
- establishing commercial manufacturing capabilities or making arrangements with third-party manufacturers for clinical supply and commercial manufacturing;
- obtaining and maintaining patent and trade secret protection or regulatory exclusivity for our product candidates;
- launching commercial sales of our product candidates, if and when approved, whether alone or in collaboration with others;
- acceptance of the product candidates, if and when approved, by patients, the medical community and third-party payors;

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- effectively competing with other therapies;
- obtaining and maintaining third-party insurance coverage and adequate reimbursement;
- obtaining, enforcing and defending intellectual property rights and claims; and
- maintaining a continued acceptable safety profile of the product candidates following approval.

If we do not achieve one or more of these factors in a timely manner or at all, we could experience significant delays or an inability to successfully commercialize our product candidates, which would materially harm our business. If we do not receive regulatory approvals for our product candidates, we may not be able to continue our operations.

***If we are not able to obtain, or if there are delays in obtaining, required regulatory approvals for our product candidates, we will not be able to commercialize, or will be delayed in commercializing, our product candidates, and our ability to generate revenue will be materially impaired.***

Our product candidates and the activities associated with their development and commercialization, including their design, testing, manufacture, safety, efficacy, recordkeeping, labeling, storage, approval, advertising, promotion, sale, distribution, import and export are subject to comprehensive regulation by the FDA and other regulatory agencies in the United States and by comparable authorities in other countries. Before we can commercialize any of our product candidates, we must obtain marketing approval. Depending on results from our planned open-label Phase 1/2 clinical trial for BDTX-189, we expect, subject to discussions with FDA, to either expand the Phase 2 portion of the trial or initiate a second Phase 2 trial in order to seek accelerated approval from the FDA for the treatment of patients with advanced solid tumors that harbor one or more of the targeted genetic mutations detected by an NGS test requiring contemporaneous FDA clearance or approval, who have progressed or relapsed following prior treatment and who have no satisfactory treatment options. Whether the results from our planned open-label Phase 1/2 clinical trial and other trials will suffice to obtain accelerated approval will be a review issue and the FDA may not grant accelerated approval and may require that we conduct one or more controlled, randomized Phase 3 clinical trials to obtain approval. In addition, because there is limited experience of the FDA with the approval of tumor-agnostic cancer treatments and since we will need to show that there is no available therapy for each of the tumors tested in our open-label Phase 1/2 clinical trial, we may experience challenges in obtaining accelerated approval across all such tumor types. To date, we have had no interactions with regulatory authorities outside of the United States. We intend to engage with the European Medicines Agency, or EMA, following the results of the Phase 2 portion of the planned trial regarding regulatory requirements for registration in the European Union, or EU. There is limited experience of regulatory authorities outside of the United States with the approval of tumor-agnostic precision cancer medicines.

Securing regulatory approval also requires the submission of information about the drug manufacturing process to, and inspection of manufacturing facilities by, the relevant regulatory authority. Further, our product candidates may not be effective, may be only moderately effective or may prove to have undesirable or unintended side effects, toxicities or other characteristics that may preclude our obtaining marketing approval or prevent or limit commercial use.

The process of obtaining regulatory approvals, both in the United States and abroad, is expensive, may take many years if additional clinical trials are required, if approval is obtained at all, and can vary substantially based upon a variety of factors, including the type, complexity and novelty of the product candidates involved. Changes in marketing approval policies during the development period, changes in or the enactment of additional statutes or regulations, or changes in regulatory review for each submitted IND, New Drug Application, or NDA, or equivalent application types, may cause delays in the approval or rejection of an

application. The FDA and comparable authorities in other countries have substantial discretion in the approval process and may refuse to accept any application or may decide that our data are insufficient for approval and require additional preclinical, clinical or other studies. Our product candidates could be delayed in receiving, or fail to receive, regulatory approval for many reasons, including the following:

- the FDA or comparable foreign regulatory authorities may disagree with the design or implementation of our clinical trials, including our proposed phase 1/2 clinical trial design for BDTX-189;
- the FDA or comparable foreign regulatory authorities may disagree with our tumor-agnostic development strategy;
- we may be unable to demonstrate to the satisfaction of the FDA or comparable foreign regulatory authorities that a drug candidate is safe and effective for its proposed indication or a related companion diagnostic is suitable to identify appropriate patient populations;
- the results of clinical trials may not meet the level of statistical significance required by the FDA or comparable foreign regulatory authorities for approval;
- we may be unable to demonstrate that a product candidate's clinical and other benefits outweigh its safety risks;
- the FDA or comparable foreign regulatory authorities may disagree with our interpretation of data from preclinical studies or clinical trials;
- the data collected from clinical trials of our product candidates may not be sufficient to support the submission of an NDA or other submission or to obtain regulatory approval in the United States or elsewhere;
- the FDA or comparable foreign regulatory authorities may fail to approve the manufacturing processes or facilities of third-party manufacturers with which we contract for clinical and commercial supplies; and
- the approval policies or regulations of the FDA or comparable foreign regulatory authorities may significantly change in a manner rendering our clinical data insufficient for approval.

Of the large number of drugs in development, only a small percentage successfully complete the FDA or foreign regulatory approval processes and are commercialized. The lengthy approval process as well as the unpredictability of future clinical trial results may result in our failing to obtain regulatory approval to market our product candidates, which would significantly harm our business, results of operations and prospects.

***Our clinical trials may fail to demonstrate adequately the safety and efficacy of any of our product candidates, which would prevent or delay regulatory approval and commercialization.***

To obtain the requisite regulatory approvals to market and sell any of our product candidates, including BDTX-189 and any other future product candidates, we must demonstrate through extensive preclinical studies and clinical trials that our products are safe and effective in humans. Our product candidates may fail to demonstrate efficacy in humans, and particularly across tumor types. Clinical testing is expensive and can take many years to complete, and its outcome is inherently uncertain. Failure can occur at any time during the clinical trial process and our future clinical trial results may not be successful. Further, the process of obtaining regulatory approval is expensive, often takes many years following the commencement of clinical trials and can vary substantially based upon the type, complexity and novelty of the product candidates involved, as well as the target indications, patient population and regulatory agency. Prior to obtaining approval to commercialize a product candidate in the United States or abroad, we or our potential future collaborators must demonstrate with substantial evidence from adequate and well-controlled clinical trials, and to the satisfaction of the FDA, the EMA or other comparable foreign regulatory authorities, that such product candidates are safe and effective for their intended uses.

Clinical trials that we conduct may not demonstrate the efficacy and safety necessary to obtain regulatory approval to market our product candidates. In some instances, there can be significant variability in safety or efficacy results between different clinical trials of the same product candidate due to numerous factors, including changes in trial procedures set forth in protocols, differences in the size and type of the patient populations, changes in and adherence to the clinical trial protocols and the rate of dropout among clinical trial participants. If the results of our ongoing or future clinical trials are inconclusive with respect to the efficacy of our product candidates, if we do not meet the clinical endpoints with statistical and clinically meaningful significance, or if there are safety concerns associated with our product candidates, we may be delayed in obtaining marketing approval, if at all.

Even if the trials are successfully completed, clinical data are often susceptible to varying interpretations and analyses, and we cannot guarantee that the FDA, the EMA, or other comparable foreign regulatory authorities will interpret the results as we do, and more trials could be required before we submit our product candidates for approval. We cannot guarantee that the FDA, the EMA or other comparable foreign regulatory authorities will view our product candidates as having sufficient efficacy to support a tumor-agnostic indication even if positive results are observed in clinical trials. To the extent that the results of the trials are not satisfactory to the FDA, the EMA or other comparable foreign regulatory authorities for support of a marketing application, approval of our product candidates may be significantly delayed, or we may be required to expend significant additional resources, which may not be available to us, to conduct additional trials in support of potential approval of our product candidates. Additionally, any safety or efficacy concerns observed in any tumor-specific subgroup of our clinical trials could limit the prospects for regulatory approval of our product candidates for a tumor-agnostic indication, which could have a material adverse effect on our business, financial condition and results of operations.

***We may in the future seek orphan drug status for BDTX-189 and some of our other future product candidates, but we may be unable to obtain such designations or to maintain the benefits associated with orphan drug status, including market exclusivity, which may cause our revenue, if any, to be reduced.***

Under the Orphan Drug Act, the FDA may grant orphan designation to a drug or biologic intended to treat a rare disease or condition, defined as a disease or condition with a patient population of fewer than 200,000 in the United States, or a patient population greater than 200,000 in the United States when there is no reasonable expectation that the cost of developing and making available the drug or biologic in the United States will be recovered from sales in the United States for that drug or biologic. Orphan drug designation must be requested before submitting an NDA. In the United States, orphan drug designation entitles a party to financial incentives such as opportunities for grant funding towards clinical trial costs, tax advantages and user-fee waivers. After the FDA grants orphan drug designation, the generic identity of the drug and its potential orphan use are disclosed publicly by the FDA. Orphan drug designation does not convey any advantage in, or shorten the duration of, the regulatory review and approval process.

If a product that has orphan drug designation subsequently receives the first FDA approval for a particular active ingredient for the disease for which it has such designation, the product is entitled to orphan product exclusivity, which means that the FDA may not approve any other applications, including an NDA, to market the same biologic for the same indication for seven years, except in limited circumstances such as a showing of clinical superiority to the product with orphan drug exclusivity or if the FDA finds that the holder of the orphan drug exclusivity has not shown that it can assure the availability of sufficient quantities of the orphan drug to meet the needs of patients with the disease or condition for which the drug was designated. As a result, even if one of our product candidates receives orphan exclusivity, the FDA can still approve other drugs that have a different active ingredient for use in treating the same indication or disease. Furthermore, the FDA can waive orphan exclusivity if we are unable to manufacture sufficient supply of our product.

We may seek orphan drug designation for BDTX-189 and some or all of our other future product candidates in additional orphan indications in which there is a medically plausible basis for the use of these products. Even when we obtain orphan drug designation, exclusive marketing rights in the United States may be limited if we seek approval for an indication broader than the orphan designated indication and may be lost if the FDA later determines that the request for designation was materially defective or if the manufacturer is unable to assure sufficient quantities of the product to meet the needs of patients with the rare disease or condition. In addition, although we intend to seek orphan drug designation for other product candidates, we may never receive such designations. For example, the FDA has expressed concerns regarding the regulatory considerations for orphan drug designation as applied to tissue agnostic therapies, and the FDA may interpret the federal Food, Drug and Cosmetic Act, as amended, or the FD&C Act, and regulations promulgated thereunder in a way that limits or blocks our ability to obtain orphan drug designation or orphan drug exclusivity, if our product candidates are approved, for our targeted indications.

On August 3, 2017, the Congress passed the FDA Reauthorization Act of 2017, or FDARA. FDARA, among other things, codified the FDA's pre-existing regulatory interpretation, to require that a drug sponsor demonstrate the clinical superiority of an orphan drug that is otherwise the same as a previously approved drug for the same rare disease in order to receive orphan drug exclusivity. The legislation reverses prior precedent holding that the Orphan Drug Act unambiguously requires that the FDA recognize the orphan exclusivity period regardless of a showing of clinical superiority. The FDA may further reevaluate the Orphan Drug Act and its regulations and policies. We do not know if, when, or how the FDA may change the orphan drug regulations and policies in the future, and it is uncertain how any changes might affect our business. Depending on what changes the FDA may make to its orphan drug regulations and policies, our business could be adversely impacted.

***A Breakthrough Therapy designation by the FDA, even if granted for any of our product candidates, may not lead to a faster development or regulatory review or approval process and it does not increase the likelihood that our product candidates will receive marketing approval.***

We may seek Breakthrough Therapy designation for BDTX-189 and some or all of our future product candidates. A breakthrough therapy is defined as a drug or biologic that is intended, alone or in combination with one or more other drugs or biologics, to treat a serious or life-threatening disease or condition and preliminary clinical evidence indicates that the drug or biologic may demonstrate substantial improvement over existing therapies on one or more clinically significant endpoints, such as substantial treatment effects observed early in clinical development. For product candidates that have been designated as breakthrough therapies, interaction and communication between the FDA and the sponsor of the trial can help to identify the most efficient path for clinical development while minimizing the number of patients placed in ineffective control regimens. Drugs designated as breakthrough therapies by the FDA may also be eligible for other expedited approval programs, including accelerated approval.

Designation as a breakthrough therapy is within the discretion of the FDA. Accordingly, even if we believe one of our product candidates meets the criteria for designation as a breakthrough therapy, the FDA may disagree and instead determine not to make such designation. In any event, the receipt of a Breakthrough Therapy designation for a product candidate may not result in a faster development process, review or approval compared to candidate products considered for approval under non-expedited FDA review procedures and does not assure ultimate approval by the FDA. In addition, even if one or more of our product candidates qualify as breakthrough therapies, the FDA may later decide that the product no longer meets the conditions for qualification. Thus, even though we intend to seek Breakthrough Therapy designation for BDTX-189 and some or all of our future product candidates for the treatment of various cancers, there can be no assurance that we will receive breakthrough therapy designation.



***A Fast Track designation by the FDA, even if granted for BDTX-189 or any other future product candidates, may not lead to a faster development or regulatory review or approval process, and does not increase the likelihood that our product candidates will receive marketing approval.***

If a drug is intended for the treatment of a serious or life-threatening condition and the drug demonstrates the potential to address unmet medical needs for this condition, the drug sponsor may apply for FDA Fast Track designation for a particular indication. We may seek Fast Track designation for BDTX-189 and certain of our future product candidates, but there is no assurance that the FDA will grant this status to any of our proposed product candidates. Marketing applications filed by sponsors of products in Fast Track development may qualify for priority review under the policies and procedures offered by the FDA, but the Fast Track designation does not assure any such qualification or ultimate marketing approval by the FDA. The FDA has broad discretion whether or not to grant Fast Track designation, so even if we believe a particular product candidate is eligible for this designation, there can be no assurance that the FDA would decide to grant it. Even if we do receive Fast Track designation, we may not experience a faster development process, review or approval compared to conventional FDA procedures, and receiving a Fast Track designation does not provide assurance of ultimate FDA approval. In addition, the FDA may withdraw Fast Track designation if it believes that the designation is no longer supported by data from our clinical development program. In addition, the FDA may withdraw any Fast Track designation at any time.

***Accelerated approval by the FDA, even if granted for BDTX-189 or any other future product candidates, may not lead to a faster development or regulatory review or approval process and it does not increase the likelihood that our product candidates will receive marketing approval.***

We plan to seek approval of BDTX-189, and may seek approval of future product candidates using the FDA's accelerated approval pathway. A product may be eligible for accelerated approval if it treats a serious or life-threatening condition and generally provides a meaningful advantage over available therapies. In addition, it must demonstrate an effect on a surrogate endpoint that is reasonably likely to predict clinical benefit. As a condition of approval, the FDA may require that a sponsor of a drug receiving accelerated approval perform adequate and well-controlled post-marketing clinical trials. These confirmatory trials must be completed with due diligence. In addition, the FDA currently requires as a condition for accelerated approval pre-approval of promotional materials, which could adversely impact the timing of the commercial launch of the product. Even if we do receive accelerated approval, we may not experience a faster development or regulatory review or approval process, and receiving accelerated approval does not provide assurance of ultimate full FDA approval.

***If we are unable to successfully validate, develop and obtain regulatory approval for companion diagnostic tests for our drug candidates that are required or experience significant delays in doing so, we may not realize the full commercial potential of these drug candidates.***

In connection with the clinical development of our drug candidates for certain indications, we intend to engage third parties to develop or obtain access to *in vitro* companion diagnostic tests to identify patient subsets within a disease category who may derive selective and meaningful benefit from our drug candidates. Such companion diagnostics would be used during our clinical trials as well as in connection with the FDA approval of our product candidates. To be successful, we or our collaborators will need to address a number of scientific, technical, regulatory and logistical challenges. The FDA regulates *in vitro* companion diagnostics as medical devices and, under that regulatory framework, will require the test to be analytically validated and used for patient selection in the clinical trial, which we expect will require separate regulatory clearance or approval prior to commercialization if not already approved.

We intend to rely on third parties for the design, development and manufacture of companion diagnostic tests for our therapeutic drug candidates that may require such tests. If we enter into such collaborative agreements,



we will be dependent on the sustained cooperation and effort of our future collaborators in developing and obtaining approval for these companion diagnostics. It may be necessary to resolve issues such as selectivity/specificity, analytical validation, reproducibility, or clinical validation of companion diagnostics during the development and regulatory approval processes. Moreover, even if data from preclinical studies and early clinical trials appear to support development of a companion diagnostic for a product candidate, data generated in later clinical trials may fail to support the analytical and clinical validation of the companion diagnostic. We and our future collaborators may encounter difficulties in developing, obtaining regulatory approval for, manufacturing and commercializing companion diagnostics similar to those we face with respect to our therapeutic candidates themselves, including issues with achieving regulatory clearance or approval, production of sufficient quantities at commercial scale and with appropriate quality standards, and in gaining market acceptance. If we are unable to successfully develop companion diagnostics for these therapeutic drug candidates, or experience delays in doing so, the development of these therapeutic drug candidates may be adversely affected, these therapeutic drug candidates may not obtain marketing approval, and we may not realize the full commercial potential of any of these therapeutics that obtain marketing approval. As a result, our business, results of operations and financial condition could be materially harmed. In addition, a diagnostic company with whom we contract may decide to discontinue selling or manufacturing the companion diagnostic test that we anticipate using in connection with development and commercialization of our product candidates or our relationship with such diagnostic company may otherwise terminate. We may not be able to enter into arrangements with another diagnostic company to obtain supplies of an alternative diagnostic test for use in connection with the development and commercialization of our product candidates or do so on commercially reasonable terms, which could adversely affect and/or delay the development or commercialization of our therapeutic candidates.

***Obtaining and maintaining regulatory approval of our product candidates in one jurisdiction does not mean that we will be successful in obtaining regulatory approval of our product candidates in other jurisdictions.***

Obtaining and maintaining regulatory approval of our product candidates in one jurisdiction does not guarantee that we will be able to obtain or maintain regulatory approval in any other jurisdiction, while a failure or delay in obtaining regulatory approval in one jurisdiction may have a negative effect on the regulatory approval process in others. For example, even if the FDA grants marketing approval of a product candidate, comparable regulatory authorities in foreign jurisdictions must also approve the manufacturing, marketing and promotion of the product candidate in those countries. Approval procedures vary among jurisdictions and can involve requirements and administrative review periods different from, and greater than, those in the United States, including additional preclinical studies or clinical trials as clinical trials conducted in one jurisdiction may not be accepted by regulatory authorities in other jurisdictions. In many jurisdictions outside the United States, a product candidate must be approved for reimbursement before it can be approved for sale in that jurisdiction. In some cases, the price that we intend to charge for our products is also subject to approval.

We may also submit marketing applications in other countries. Regulatory authorities in jurisdictions outside of the United States have requirements for approval of product candidates with which we must comply prior to marketing in those jurisdictions. Obtaining foreign regulatory approvals and compliance with foreign regulatory requirements could result in significant delays, difficulties and costs for us and could delay or prevent the introduction of our products in certain countries. If we fail to comply with the regulatory requirements in international markets and/or receive applicable marketing approvals, our target market will be reduced and our ability to realize the full market potential of our product candidates will be harmed.

***Even if we receive regulatory approval of our product candidates, we will be subject to ongoing regulatory obligations and continued regulatory review, which may result in significant additional expense and we may be subject to penalties if we fail to comply with regulatory requirements or experience unanticipated problems with our product candidates.***

Any regulatory approvals that we receive for our product candidates will require surveillance to monitor the safety and efficacy of the product candidate. The FDA may also require a REMS in order to approve our product candidates, which could entail requirements for a medication guide, physician communication plans or additional elements to ensure safe use, such as restricted distribution methods, patient registries and other risk minimization tools. In addition, if the FDA or a comparable foreign regulatory authority approves our product candidates, the manufacturing processes, labeling, packaging, distribution, adverse event reporting, storage, advertising, promotion, import, export and recordkeeping for our product candidates will be subject to extensive and ongoing regulatory requirements. These requirements include submissions of safety and other post-marketing information and reports, registration, as well as continued compliance with cGMPs, good laboratory practice, or GLP, regulations and GCPs, for any clinical trials that we conduct post-approval. Later discovery of previously unknown problems with our product candidates, including adverse events of unanticipated severity or frequency, or with our third-party manufacturers or manufacturing processes, or failure to comply with regulatory requirements, may result in, among other things:

- restrictions on the marketing or manufacturing of our product candidates, withdrawal of the product from the market or voluntary or mandatory product recalls;
- manufacturing delays and supply disruptions where regulatory inspections identify observations of noncompliance requiring remediation;
- revisions to the labeling, including limitation on approved uses or the addition of additional warnings, contraindications or other safety information, including boxed warnings;
- imposition of a REMS, which may include distribution or use restrictions;
- requirements to conduct additional post-market clinical trials to assess the safety of the product;
- fines, warning letters or holds on clinical trials;
- refusal by the FDA to approve pending applications or supplements to approved applications filed by us or suspension or revocation of approvals;
- product seizure or detention, or refusal to permit the import or export of our product candidates; and
- injunctions or the imposition of civil or criminal penalties.

The FDA's and other regulatory authorities' policies may change and additional government regulations may be enacted that could prevent, limit or delay regulatory approval of our product candidates. We cannot predict the likelihood, nature or extent of government regulation that may arise from future legislation or administrative action, either in the United States or abroad. If we are slow or unable to adapt to changes in existing requirements or the adoption of new requirements or policies, or if we are not able to maintain regulatory compliance, we may lose any marketing approval that we may have obtained and we may not achieve or sustain profitability.

***The FDA and other regulatory agencies actively enforce the laws and regulations prohibiting the promotion of off-label uses.***

If any of our product candidates are approved and we are found to have improperly promoted off-label uses of those products, we may become subject to significant liability. The FDA and other regulatory agencies strictly

regulate the promotional claims that may be made about prescription products, if approved. In particular, while the FDA permits the dissemination of truthful and non-misleading information about an approved product, a manufacturer may not promote a product for uses that are not approved by the FDA or such other regulatory agencies as reflected in the product's approved labeling. If we are found to have promoted such off-label uses, we may become subject to significant liability. The federal government has levied large civil and criminal fines against companies for alleged improper promotion of off-label use and has enjoined several companies from engaging in off-label promotion. The FDA has also requested that companies enter into consent decrees, corporate integrity agreements or permanent injunctions under which specified promotional conduct must be changed or curtailed. If we cannot successfully manage the promotion of our product candidates, if approved, we could become subject to significant liability, which would materially adversely affect our business and financial condition.

***The insurance coverage and reimbursement status of newly-approved products is uncertain. Our product candidates may become subject to unfavorable pricing regulations, third-party coverage and reimbursement practices, or healthcare reform initiatives, which would harm our business. Failure to obtain or maintain adequate coverage and reimbursement for new or current products could limit our ability to market those products and decrease our ability to generate revenue.***

The regulations that govern marketing approvals, pricing, coverage and reimbursement for new drugs vary widely from country to country. In the United States, recently enacted legislation may significantly change the approval requirements in ways that could involve additional costs and cause delays in obtaining approvals. Some countries require approval of the sale price of a drug before it can be marketed. In many countries, the pricing review period begins after marketing or product licensing approval is granted. In some foreign markets, prescription pharmaceutical pricing remains subject to continuing governmental control even after initial approval is granted. As a result, we might obtain marketing approval for a product in a particular country, but then be subject to price regulations that delay our commercial launch of the product, possibly for lengthy time periods, and negatively impact the revenue we are able to generate from the sale of the product in that country. Adverse pricing limitations may hinder our ability to recoup our investment in one or more product candidates, even if any product candidates we may develop obtain marketing approval.

In the United States and markets in other countries, patients generally rely on third-party payors to reimburse all or part of the costs associated with their treatment. Adequate coverage and reimbursement from governmental healthcare programs, such as Medicare and Medicaid, and commercial payors is critical to new product acceptance. Our ability to successfully commercialize our product candidates will depend in part on the extent to which coverage and adequate reimbursement for these products and related treatments will be available from government health administration authorities, private health insurers and other organizations. Government authorities and third-party payors, such as private health insurers and health maintenance organizations, decide which medications they will pay for and establish reimbursement levels. The availability of coverage and extent of reimbursement by governmental and private payors is essential for most patients to be able to afford treatments such as gene therapy products. Sales of these or other product candidates that we may identify will depend substantially, both domestically and abroad, on the extent to which the costs of our product candidates will be paid by health maintenance, managed care, pharmacy benefit and similar healthcare management organizations, or reimbursed by government health administration authorities, private health coverage insurers and other third-party payors. If coverage and adequate reimbursement is not available, or is available only to limited levels, we may not be able to successfully commercialize our product candidates. Even if coverage is provided, the approved reimbursement amount may not be high enough to allow us to establish or maintain pricing sufficient to realize a sufficient return on our investment.

Reimbursement by a third-party payor may depend upon a number of factors, including, but not limited to, the third-party payor's determination that use of a product is:

- a covered benefit under its health plan;
- safe, effective and medically necessary;
- appropriate for the specific patient;
- cost-effective; and
- neither experimental nor investigational.

A primary trend in the U.S. healthcare industry and elsewhere is cost containment. Government authorities and third-party payors have attempted to control costs by limiting coverage and the amount of reimbursement for particular medications. In many countries, the prices of medical products are subject to varying price control mechanisms as part of national health systems. In general, the prices of medicines under such systems are substantially lower than in the United States. Other countries allow companies to fix their own prices for medicines, but monitor and control company profits. Additional foreign price controls or other changes in pricing regulation could restrict the amount that we are able to charge for our product candidates. Accordingly, in markets outside the United States, the reimbursement for products may be reduced compared with the United States and may be insufficient to generate commercially reasonable revenues and profits.

There is also significant uncertainty related to the insurance coverage and reimbursement of newly approved products and coverage may be more limited than the purposes for which the medicine is approved by the FDA or comparable foreign regulatory authorities. In the United States, the principal decisions about reimbursement for new medicines are typically made by the Centers for Medicare & Medicaid Services, or CMS, an agency within the U.S. Department of Health and Human Services. CMS decides whether and to what extent a new medicine will be covered and reimbursed under Medicare and private payors tend to follow CMS to a substantial degree. No uniform policy of coverage and reimbursement for products exists among third-party payors and coverage and reimbursement levels for products can differ significantly from payor to payor. As a result, the coverage determination process is often a time consuming and costly process that may require us to provide scientific and clinical support for the use of our products to each payor separately, with no assurance that coverage and adequate reimbursement will be applied consistently or obtained in the first instance. It is difficult to predict what CMS will decide with respect to reimbursement for fundamentally novel products such as ours. Reimbursement agencies in Europe may be more conservative than CMS. For example, a number of cancer drugs have been approved for reimbursement in the United States and have not been approved for reimbursement in certain European countries. Moreover, eligibility for reimbursement does not imply that any drug will be paid for in all cases or at a rate that covers our costs, including research, development, manufacture, sale, and distribution. Interim reimbursement levels for new drugs, if applicable, may also not be sufficient to cover our costs and may not be made permanent. Reimbursement rates may vary according to the use of the drug and the clinical setting in which it is used, may be based on reimbursement levels already set for lower cost drugs and may be incorporated into existing payments for other services. Our inability to promptly obtain coverage and profitable payment rates from both government-funded and private payors for any approved products we may develop could have a material adverse effect on our operating results, our ability to raise capital needed to commercialize product candidates, and our overall financial condition.

Net prices for drugs may be reduced by mandatory discounts or rebates required by government healthcare programs or private payors and by any future relaxation of laws that presently restrict imports of drugs from countries where they may be sold at lower prices than in the United States. Our inability to promptly obtain coverage and profitable reimbursement rates third-party payors for any approved products that we develop

could have a material adverse effect on our operating results, our ability to raise capital needed to commercialize products and our overall financial condition.

Increasingly, third-party payors are requiring that drug companies provide them with predetermined discounts from list prices and are challenging the prices charged for medical products. We cannot be sure that reimbursement will be available for any product candidate that we commercialize and, if reimbursement is available, the level of reimbursement. Reimbursement may impact the demand for, or the price of, any product candidate for which we obtain marketing approval. In order to obtain reimbursement, physicians may need to show that patients have superior treatment outcomes with our products compared to standard of care drugs, including lower-priced generic versions of standard of care drugs. We expect to experience pricing pressures in connection with the sale of any of our product candidates due to the trend toward managed healthcare, the increasing influence of health maintenance organizations and additional legislative changes. The downward pressure on healthcare costs in general, particularly prescription drugs and surgical procedures and other treatments, has become very intense. As a result, increasingly high barriers are being erected to the entry of new products.

Additionally, we may develop companion diagnostic tests for use with our product candidates. We, or our collaborators, may be required to obtain coverage and reimbursement for these tests separate and apart from the coverage and reimbursement we seek for our product candidates, once approved. Even if we obtain regulatory approval or clearance for such companion diagnostics, there is significant uncertainty regarding our ability to obtain coverage and adequate reimbursement for the same reasons applicable to our product candidates. Medicare reimbursement methodologies, whether under Part A, Part B, or clinical laboratory fee schedule may be amended from time to time, and we cannot predict what effect any change to these methodologies would have on any product candidate or companion diagnostic for which we receive approval. Our inability to promptly obtain coverage and adequate reimbursement from both third-party payors for the companion diagnostic tests that we develop and for which we obtain regulatory approval could have a material and adverse effect on our business, financial condition, results of operations and prospects.

***Healthcare legislative measures aimed at reducing healthcare costs may have a material adverse effect on our business and results of operations.***

The United States and many foreign jurisdictions have enacted or proposed legislative and regulatory changes affecting the healthcare system that could prevent or delay marketing approval of our product candidates or any future product candidates, restrict or regulate post-approval activities and affect our ability to profitably sell a product for which we obtain marketing approval. Changes in regulations, statutes or the interpretation of existing regulations could impact our business in the future by requiring, for example: (i) changes to our manufacturing arrangements; (ii) additions or modifications to product labeling; (iii) the recall or discontinuation of our products; or (iv) additional record-keeping requirements. If any such changes were to be imposed, they could adversely affect the operation of our business.

In the United States, there have been and continue to be a number of legislative initiatives to contain healthcare costs. For example, in March 2010, the ACA was passed, which substantially changed the way healthcare is financed by both governmental and private insurers, and significantly impacted the U.S. pharmaceutical industry. The ACA, among other things, subjects biological products to potential competition by lower-cost biosimilars, addresses a new methodology by which rebates owed by manufacturers under the Medicaid Drug Rebate Program are calculated for drugs that are inhaled, infused, instilled, implanted or injected, increases the minimum Medicaid rebates owed by manufacturers under the Medicaid Drug Rebate Program and extends the rebate program to individuals enrolled in Medicaid managed care organizations, establishes annual fees and taxes on manufacturers of certain branded prescription drugs, and creates a new Medicare Part D coverage gap discount program, in which manufacturers must agree to offer 70% (increased

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pursuant to the Bipartisan Budget Act of 2018, effective as of 2019) point-of-sale discounts off negotiated prices of applicable brand drugs to eligible beneficiaries during their coverage gap period, as a condition for the manufacturer's outpatient drugs to be covered under Medicare Part D.

Members of the U.S. Congress and the Trump administration have expressed an intent to pass legislation or adopt executive orders to fundamentally change or repeal parts of the Affordable Care Act. While Congress has not passed repeal legislation to date, the Tax Cuts and Jobs Act of 2017, or TCJA, repealed, effective January 1, 2019, the tax-based shared responsibility payment imposed by the Affordable Care Act on certain individuals who fail to maintain qualifying health coverage for all or part of a year that is commonly referred to as the "individual mandate." On December 14, 2018, a federal district court in Texas ruled the individual mandate is a critical and inseparable feature of the ACA, and therefore, because it was repealed as part of the TCJA, the remaining provisions of the ACA are invalid as well. The Trump Administration and CMS have both stated that the ruling will have no immediate effect, and on December 18, 2019, the Fifth Circuit U.S. Court of Appeals held that the individual mandate is unconstitutional, and remanded the case to the lower court to reconsider its earlier invalidation of the full ACA. Pending review, the ACA remains in effect, but it is unclear at this time what effect the latest ruling will have on the status of the ACA. Litigation and legislation over the ACA are likely to continue, with unpredictable and uncertain results. We will continue to evaluate the effect that the ACA and its possible repeal and replacement has on our business.

Further, on January 20, 2017, President Trump signed an Executive Order directing federal agencies with authorities and responsibilities under the Affordable Care Act to waive, defer, grant exemptions from, or delay the implementation of any provision of the Affordable Care Act that would impose a fiscal burden on states or a cost, fee, tax, penalty or regulatory burden on individuals, healthcare providers, health insurers, or manufacturers of pharmaceuticals or medical devices. On October 13, 2017, President Trump signed an Executive Order terminating the cost-sharing subsidies that reimburse insurers under the Affordable Care Act. The Trump administration has concluded that cost-sharing reduction, or CSR, payments to insurance companies required under the ACA have not received necessary appropriations from Congress and announced that it will discontinue these payments immediately until those appropriations are made. The loss of the CSR payments is expected to increase premiums on certain policies issued by qualified health plans under the ACA. Several state Attorneys General filed suit to stop the administration from terminating the subsidies, but their request for a restraining order was denied by a federal judge in California on October 25, 2017. The loss of the cost share reduction payments is expected to increase premiums on certain policies issued by qualified health plans under the ACA. Further, on June 14, 2018, the U.S. Court of Appeals for the Federal Circuit ruled that the federal government was not required to pay to third-party payors more than \$12 billion in ACA risk corridor payments that they argued were owed to them. The effects of this gap in reimbursement on third-party payors, the viability of the ACA marketplace, providers, and potentially our business, are not yet known.

Moreover, on January 22, 2018, President Trump signed a continuing resolution on appropriations for fiscal year 2018 that delayed the implementation of certain ACA-mandated fees, including the so called "Cadillac" tax on certain high cost employer-sponsored insurance plans, the annual fee imposed on certain health insurance providers based on market share, and the medical device excise tax on non-exempt medical devices; however on December 20, 2019, President Trump signed into law the Further Consolidated Appropriations Act (H.R. 1865), which repeals the Cadillac tax, the health insurance provider tax, and the medical device excise tax. It is impossible to determine whether similar taxes could be instated in the future. The Bipartisan Budget Act of 2018, also amended the ACA, effective January 1, 2019, by increasing the point-of-sale discount that is owed by pharmaceutical manufacturers who participate in Medicare Part D and closing the coverage gap in most Medicare drug plans, commonly referred to as the "donut hole." CMS published a final rule permitting further collections and payments to and from certain ACA qualified health plans and health insurance issuers under the ACA risk adjustment program in response to the outcome of federal district court litigation regarding the

method CMS uses to determine this risk adjustment. In addition, CMS has recently published a final rule that would give states greater flexibility, starting in 2020, in setting benchmarks for insurers in the individual and small group marketplaces, which may have the effect of relaxing the essential health benefits required under the ACA for plans sold through such marketplaces. Other legislative changes have been proposed and adopted in the United States since the Affordable Care Act was enacted. In August 2011, the Budget Control Act of 2011, among other things, created measures for spending reductions by Congress. A Joint Select Committee on Deficit Reduction, tasked with recommending a targeted deficit reduction of at least \$1.2 trillion for the years 2013 through 2021, was unable to reach required goals, thereby triggering the legislation's automatic reduction to several government programs. This includes aggregate reductions of Medicare payments to providers up to 2% per fiscal year, and, due to subsequent legislative amendments, will remain in effect through 2029 unless additional Congressional action is taken. The American Taxpayer Relief Act of 2012, or ATRA, among other things, reduced Medicare payments to several providers, including hospitals, imaging centers and cancer treatment centers, and increased the statute of limitations period for the government to recover overpayments to providers from three to five years.

There has been increasing legislative and enforcement interest in the United States with respect to specialty drug pricing practices. Specifically, there have been several recent U.S. Congressional inquiries and proposed federal and state legislation designed to, among other things, bring more transparency to drug pricing, reduce the cost of prescription drugs under Medicare, review the relationship between pricing and manufacturer patient programs, and reform government program reimbursement methodologies for drugs. At the federal level, the Trump administration's budget for fiscal years 2019 and 2020 contain further drug price control measures that could be enacted during the budget process or in other future legislation, including, for example, measures to permit Medicare Part D plans to negotiate the price of certain drugs under Medicare Part B, to allow some states to negotiate drug prices under Medicaid, and to eliminate cost sharing for generic drugs for low income patients. Additionally, the Trump administration released a "Blueprint" to lower drug prices and reduce out of pocket costs of drugs that contains additional proposals to increase manufacturer competition, increase the negotiating power of certain federal healthcare programs, incentivize manufacturers to lower the list price of their products and reduce the out of pocket costs of drug products paid by consumers. The U.S. Department of Health and Human Services, or HHS, has already started the process of soliciting feedback on some of these measures and, at the same time, is immediately implementing others under its existing authority. For example, in May 2019, CMS issued a final rule to allow Medicare Advantage Plans the option of using step therapy, a type of prior authorization, for Part B drugs beginning January 1, 2020. This final rule codified CMS's policy change that was effective January 1, 2019.

Further, on May 30, 2018, the Right to Try Act, was signed into law. The law, among other things, provides a federal framework for certain patients to access certain investigational new drug products that have completed a Phase 1 clinical trial and that are undergoing investigation for FDA approval. Under certain circumstances, eligible patients can seek treatment without enrolling in clinical trials and without obtaining FDA permission under the FDA expanded access program. There is no obligation for a pharmaceutical manufacturer to make its drug products available to eligible patients as a result of the Right to Try Act.

At the state level, individual states are increasingly aggressive in passing legislation and implementing regulations designed to control pharmaceutical and biological product pricing, including price or patient reimbursement constraints, discounts, restrictions on certain product access and marketing cost disclosure and transparency measures, and, in some cases, designed to encourage importation from other countries and bulk purchasing. In addition, regional health care authorities and individual hospitals are increasingly using bidding procedures to determine what pharmaceutical products and which suppliers will be included in their prescription drug and other health care programs. These measures could reduce the ultimate demand for our products, once approved, or put pressure on our product pricing.



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We expect that additional state and federal healthcare reform measures will be adopted in the future, any of which could limit the amounts that federal and state governments will pay for healthcare products and services, which could result in reduced demand for our product candidates or additional pricing pressures.

Our revenue prospects could be affected by changes in healthcare spending and policy in the United States and abroad. We operate in a highly regulated industry and new laws, regulations or judicial decisions, or new interpretations of existing laws, regulations or decisions, related to healthcare availability, the method of delivery or payment for healthcare products and services could negatively impact our business, operations and financial condition.

There have been, and likely will continue to be, legislative and regulatory proposals at the foreign, federal and state levels directed at broadening the availability of healthcare and containing or lowering the cost of healthcare. We cannot predict the initiatives that may be adopted in the future, including repeal, replacement or significant revisions to the Affordable Care Act. The continuing efforts of the government, insurance companies, managed care organizations and other payors of healthcare services to contain or reduce costs of healthcare and/or impose price controls may adversely affect:

- the demand for our product candidates, if we obtain regulatory approval;
- our ability to set a price that we believe is fair for our products;
- our ability to obtain coverage and reimbursement approval for a product;
- our ability to generate revenue and achieve or maintain profitability;
- the level of taxes that we are required to pay; and
- the availability of capital.

Any reduction in reimbursement from Medicare or other government programs may result in a similar reduction in payments from private payors, which may adversely affect our future profitability.

***Inadequate funding for the FDA, the SEC and other government agencies could hinder their ability to hire and retain key leadership and other personnel, prevent new products and services from being developed or commercialized in a timely manner or otherwise prevent those agencies from performing normal business functions on which the operation of our business may rely, which could negatively impact our business.***

The ability of the FDA to review and approve new products can be affected by a variety of factors, including government budget and funding levels, ability to hire and retain key personnel and accept the payment of user fees, and statutory, regulatory and policy changes. Average review times at the agency have fluctuated in recent years as a result. Disruptions at the FDA and other agencies may also slow the time necessary for new drugs to be reviewed and/or approved by necessary government agencies, which would adversely affect our business. In addition, government funding of the SEC and other government agencies on which our operations may rely, including those that fund research and development activities, is subject to the political process, which is inherently fluid and unpredictable.

For example, over the last several years, including beginning on December 22, 2018, the U.S. government has shut down several times and certain regulatory agencies, such as the FDA and the SEC, have had to furlough critical FDA, SEC and other government employees and stop critical activities. If a prolonged government shutdown occurs, it could significantly impact the ability of the FDA to timely review and process our regulatory submissions, which could have a material adverse effect on our business. Further, future government shutdowns could impact our ability to access the public markets and obtain necessary capital in order to properly capitalize and continue our operations.



***Our employees, independent contractors, consultants, commercial partners and vendors may engage in misconduct or other improper activities, including noncompliance with regulatory standards and requirements.***

We are exposed to the risk of employee fraud or other illegal activity by our employees, independent contractors, consultants, commercial partners and vendors. Misconduct by these parties could include intentional, reckless and/or negligent conduct that fails to: comply with the regulations of the FDA and other similar foreign regulatory authorities, provide true, complete and accurate information to the FDA and other similar foreign regulatory authorities, comply with manufacturing standards we have established, comply with healthcare fraud and abuse laws in the United States and similar foreign fraudulent misconduct laws or report financial information or data accurately or to disclose unauthorized activities to us. If we obtain FDA approval of any of our product candidates and begin commercializing those products in the United States, our potential exposure under such laws and regulations will increase significantly, and our costs associated with compliance with such laws and regulations are also likely to increase. These laws may impact, among other things, our current activities with principal investigators and research patients, as well as proposed and future sales, marketing and education programs. In particular, the promotion, sales and marketing of healthcare items and services, as well as certain business arrangements in the healthcare industry, are subject to extensive laws designed to prevent fraud, kickbacks, self-dealing and other abusive practices. These laws and regulations may restrict or prohibit a wide range of pricing, discounting, marketing and promotion, structuring and commission(s), certain customer incentive programs and other business arrangements generally. Activities subject to these laws also involve the improper use of information obtained in the course of patient recruitment for clinical trials. The laws that may affect our ability to operate include, but are not limited to:

- the federal Anti-Kickback Statute, which prohibits, among other things, persons from knowingly and willfully soliciting, receiving, offering or paying any remuneration (including any kickback, bribe, or rebate), directly or indirectly, overtly or covertly, in cash or in kind, to induce, or in return for, either the referral of an individual, or the purchase, lease, order or recommendation of any good, facility, item or service for which payment may be made, in whole or in part, under a federal healthcare program, such as the Medicare and Medicaid programs. A person or entity does not need to have actual knowledge of the statute or specific intent to violate it in order to have committed a violation. Violations are subject to civil and criminal fines and penalties for each violation, plus up to three times the remuneration involved, imprisonment, and exclusion from government healthcare programs. In addition, the government may assert that a claim including items or services resulting from a violation of the federal Anti-Kickback Statute constitutes a false or fraudulent claim for purposes of the False Claims Act. There are a number of statutory exceptions and regulatory safe harbors protecting some common activities from prosecution;
- federal civil and criminal false claims laws and civil monetary penalty laws, including the False Claims Act, which impose criminal and civil penalties, including through civil “qui tam” or “whistleblower” actions, against individuals or entities for, among other things, knowingly presenting, or causing to be presented, claims for payment or approval from Medicare, Medicaid, or other federal health care programs that are false or fraudulent; knowingly making or causing a false statement material to a false or fraudulent claim or an obligation to pay money to the federal government; or knowingly concealing or knowingly and improperly avoiding or decreasing such an obligation. Manufacturers can be held liable under the FCA even when they do not submit claims directly to government payors if they are deemed to “cause” the submission of false or fraudulent claims. The FCA also permits a private individual acting as a “whistleblower” to bring actions on behalf of the federal government alleging violations of the FCA and to share in any monetary recovery. When an entity is determined to have violated the federal civil False Claims Act, the government may impose civil fines and penalties for each false claim, plus treble damages, and exclude the entity from participation in Medicare, Medicaid and other federal healthcare programs;

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- the federal Health Insurance Portability and Accountability Act of 1996, or HIPAA, which created new federal criminal statutes that prohibit knowingly and willfully executing, or attempting to execute, a scheme to defraud any healthcare benefit program or obtain, by means of false or fraudulent pretenses, representations, or promises, any of the money or property owned by, or under the custody or control of, any healthcare benefit program, regardless of the payor (e.g., public or private) and knowingly and willfully falsifying, concealing or covering up by any trick or device a material fact or making any materially false statements in connection with the delivery of, or payment for, healthcare benefits, items or services relating to healthcare matters. Similar to the federal Anti-Kickback Statute, a person or entity can be found guilty of violating HIPAA without actual knowledge of the statute or specific intent to violate it;
- HIPAA, as amended by the Health Information Technology for Economic and Clinical Health Act of 2009, or HITECH, and their respective implementing regulations, which impose requirements on certain covered healthcare providers, health plans, and healthcare clearinghouses as well as their respective business associates that perform services for them that involve the use, or disclosure of, individually identifiable health information, relating to the privacy, security and transmission of individually identifiable health information without appropriate authorization. HITECH also created new tiers of civil monetary penalties, amended HIPAA to make civil and criminal penalties directly applicable to business associates, and gave state attorneys general new authority to file civil actions for damages or injunctions in federal courts to enforce the federal HIPAA laws and seek attorneys' fees and costs associated with pursuing federal civil actions;
- the federal Physician Payment Sunshine Act, created under the Affordable Care Act and its implementing regulations, which require manufacturers of drugs, devices, biologicals and medical supplies for which payment is available under Medicare, Medicaid or the Children's Health Insurance Program (with certain exceptions) to report annually to HHS information related to payments or other transfers of value made to physicians (defined to include doctors, dentists, optometrists, podiatrists and chiropractors) and teaching hospitals, as well as ownership and investment interests held by physicians and their immediate family members. Effective January 1, 2022, these reporting obligations will extend to include transfers of value made to certain non-physician providers such as physician assistants and nurse practitioners;
- federal consumer protection and unfair competition laws, which broadly regulate marketplace activities and activities that potentially harm consumers; and
- analogous state and foreign laws and regulations, such as state and foreign anti-kickback, false claims, consumer protection and unfair competition laws which may apply to pharmaceutical business practices, including but not limited to, research, distribution, sales and marketing arrangements as well as submitting claims involving healthcare items or services reimbursed by any third-party payor, including commercial insurers; state laws that require pharmaceutical companies to comply with the pharmaceutical industry's voluntary compliance guidelines and the relevant compliance guidance promulgated by the federal government that otherwise restricts payments that may be made to healthcare providers and other potential referral sources; state laws that require drug manufacturers to file reports with states regarding pricing and marketing information, such as the tracking and reporting of gifts, compensations and other remuneration and items of value provided to healthcare professionals and entities; state and local laws requiring the registration of pharmaceutical sales representatives; and state and foreign laws governing the privacy and security of health information in certain circumstances, many of which differ from each other in significant ways and may not have the same effect, thus complicating compliance efforts.

Effective upon the closing of this offering, we will adopt a code of business conduct and ethics, but it is not always possible to identify and deter employee misconduct, and the precautions we take to detect and prevent inappropriate conduct may not be effective in controlling unknown or unmanaged risks or losses or in

protecting us from governmental investigations or other actions or lawsuits stemming from a failure to be in compliance with such laws or regulations.

Efforts to ensure that our business arrangements with third parties will comply with applicable healthcare laws and regulations will involve substantial costs. Because of the breadth of these laws and the narrowness of the statutory exceptions and safe harbors available, it is possible that some of our business activities could be subject to challenge under one or more of such laws. It is possible that governmental authorities will conclude that our business practices may not comply with current or future statutes, regulations or case law involving applicable fraud and abuse or other healthcare laws and regulations. If our operations are found to be in violation of any of these laws or any other governmental regulations that may apply to us, we may be subject to significant criminal, civil and administrative sanctions including monetary penalties, damages, fines, disgorgement, individual imprisonment, and exclusion from participation in government funded healthcare programs, such as Medicare and Medicaid, contractual damages, reputational harm, diminished profits and future earnings, and we may be required to curtail or restructure our operations, any of which could adversely affect our ability to operate our business and our results of operations.

Any action against us for violation of these laws, even if we successfully defend against it, could cause us to incur significant legal expenses and divert our management's attention from the operation of our business. The shifting compliance environment and the need to build and maintain robust and expandable systems to comply with multiple jurisdictions with different compliance and/or reporting requirements increases the possibility that a healthcare company may run afoul of one or more of the requirements.

The provision of benefits or advantages to physicians to induce or encourage the prescription, recommendation, endorsement, purchase, supply, order or use of medicinal products is also prohibited in the EU. The provision of benefits or advantages to physicians is governed by the national anti-bribery laws of EU Member States, such as the U.K. Bribery Act 2010, or the Bribery Act. Infringement of these laws could result in substantial fines and imprisonment. Payments made to physicians in certain EU Member States must be publicly disclosed.

Moreover, agreements with physicians often must be the subject of prior notification and approval by the physician's employer, his or her competent professional organization and/or the regulatory authorities of the individual EU Member States.

These requirements are provided in the national laws, industry codes or professional codes of conduct, applicable in the EU Member States.

Failure to comply with these requirements could result in reputational risk, public reprimands, administrative penalties, fines or imprisonment.

***Data collection is governed by restrictive regulations governing the use, processing and cross-border transfer of personal information.***

In the event we decide to conduct clinical trials or continue to enroll subjects in our ongoing or future clinical trials, we may be subject to additional privacy restrictions. The collection, use, storage, disclosure, transfer, or other processing of personal data regarding individuals in the EU, including personal health data, is subject to the EU General Data Protection Regulation, or GDPR, which became effective on May 25, 2018. The GDPR is wide-ranging in scope and imposes numerous requirements on companies that process personal data, including requirements relating to processing health and other sensitive data, obtaining consent of the individuals to whom the personal data relates, providing information to individuals regarding data processing activities, implementing safeguards to protect the security and confidentiality of personal data, providing notification of data breaches, and taking certain measures when engaging third-party processors. The GDPR also imposes

strict rules on the transfer of personal data to countries outside the EU, including the United States, and permits data protection authorities to impose large penalties for violations of the GDPR, including potential fines of up to €20 million or 4% of annual global revenues, whichever is greater. The GDPR also confers a private right of action on data subjects and consumer associations to lodge complaints with supervisory authorities, seek judicial remedies, and obtain compensation for damages resulting from violations of the GDPR. In addition, the GDPR includes restrictions on cross-border data transfers. The GDPR increased our responsibility and liability in relation to personal data that we process where such processing is subject to the GDPR, and we may be required to put in place additional mechanisms to ensure compliance with the GDPR, including as implemented by individual countries. Compliance with the GDPR will be a rigorous and time-intensive process that may increase our cost of doing business or require us to change our business practices, and despite those efforts, there is a risk that we may be subject to fines and penalties, litigation, and reputational harm in connection with our European activities. Further, the United Kingdom's vote in favor of exiting the EU, often referred to as Brexit, has created uncertainty with regard to data protection regulation in the United Kingdom. In particular, it is unclear how data transfers to and from the United Kingdom will be regulated.

In addition, California recently enacted the California Consumer Privacy Act, or CCPA, which creates new individual privacy rights for California consumers (as defined in the law) and places increased privacy and security obligations on entities handling personal data of consumers or households. The CCPA requires covered companies to provide new disclosure to consumers about such companies' data collection, use and sharing practices, provide such consumers new ways to opt-out of certain sales or transfers of personal information, and provide consumers with additional causes of action. The CCPA went into effect on January 1, 2020, and the California Attorney General may bring enforcement actions for violations beginning July 1, 2020. The CCPA was amended on September 23, 2018, and it remains unclear what, if any, further modifications will be made to this legislation or how it will be interpreted. As currently written, the CCPA may impact our business activities and exemplifies the vulnerability of our business to the evolving regulatory environment related to personal data and protected health information.

Compliance with U.S. and international data protection laws and regulations could require us to take on more onerous obligations in our contracts, restrict our ability to collect, use and disclose data, or in some cases, impact our ability to operate in certain jurisdictions. Failure to comply with U.S. and international data protection laws and regulations could result in government enforcement actions (which could include civil or criminal penalties), private litigation or adverse publicity and could negatively affect our operating results and business. Moreover, clinical trial subjects about whom we or our potential collaborators obtain information, as well as the providers who share this information with us, may contractually limit our ability to use and disclose the information. Claims that we have violated individuals' privacy rights, failed to comply with data protection laws, or breached our contractual obligations, even if we are not found liable, could be expensive and time consuming to defend and could result in adverse publicity that could harm our business.

***If we fail to comply with environmental, health and safety laws and regulations, we could become subject to fines or penalties or incur costs that could have a material adverse effect on the success of our business.***

We are subject to numerous environmental, health and safety laws and regulations, including those governing laboratory procedures and the handling, use, storage, treatment and disposal of hazardous materials and wastes. Our operations involve the use of hazardous and flammable materials, including chemicals and biological and radioactive materials. Our operations also produce hazardous waste products. We generally contract with third parties for the disposal of these materials and wastes. We cannot eliminate the risk of contamination or injury from these materials. In the event of contamination or injury resulting from our use of hazardous materials, we could be held liable for any resulting damages, and any liability could exceed our resources. We also could incur significant costs associated with civil or criminal fines and penalties.

Although we maintain workers' compensation insurance to cover us for costs and expenses we may incur due to injuries to our employees resulting from the use of hazardous materials, this insurance may not provide adequate coverage against potential liabilities. We do not maintain insurance for environmental liability or toxic tort claims that may be asserted against us in connection with our storage or disposal of biological, hazardous or radioactive materials.

## **Risks related to our intellectual property**

***We do not currently own or in-license any issued patents or non-provisional patent applications relating to our product candidates or technology, including BDTX-189. If we are unable to obtain and maintain patent and other intellectual property protection for BDTX-189, our MAP platform and our other product candidates and technology, or any other product candidates or technology we may develop, or if the scope of intellectual property protection obtained is not sufficiently broad, our competitors could develop and commercialize products and technology similar or identical to ours, and our ability to commercialize BDTX-189 or any other product candidates or technology may be adversely affected.***

Our success depends in large part on our ability to obtain and maintain patent and other intellectual property protection in the United States and other countries with respect to our product candidates, including BDTX-189, their respective components, formulations, combination therapies, methods used to manufacture them and methods of treatment and development that are important to our business, as well as successfully defending these patents against third-party challenges. If we do not adequately protect our intellectual property rights, competitors may be able to erode or negate any competitive advantage we may have, which could harm our business and ability to achieve profitability.

We intend to rely upon a combination of patent applications, confidentiality agreements, trade secret protection and license agreements to protect the intellectual property related to our product candidates and technologies. Any disclosure to or misappropriation by third parties of our confidential proprietary information could enable competitors to quickly duplicate or surpass our technological achievements, thus eroding our competitive position in our market. We, or any future partners, collaborators, or licensees, may fail to identify patentable aspects of inventions made in the course of development and commercialization activities before it is too late to obtain patent protection on them. Therefore, we may miss potential opportunities to establish our patent position.

To protect our proprietary position, we plan to file patent applications in the United States and abroad relating to our product candidates and MAP platform that are important to our business; we may in the future also license or purchase patents or patent applications owned by others. Our ability to stop unauthorized third parties from making, using, selling, offering to sell or importing our product candidates is dependent upon the extent to which we have rights under valid and enforceable patents or trade secrets that cover these activities. If we are unable to secure or maintain patent protection with respect to BDTX-189, our MAP platform or any other proprietary products and technology we develop, our business, financial condition, results of operations, and prospects would be materially harmed.

We do not currently own or in-license any issued patents or non-provisional patent applications relating to BDTX-189, including its composition of matter, and we do not currently own or in-license any issued patents or non-provisional patent applications relating to any of our other product candidates or technology. We own one Patent Cooperation Treaty, or PCT, patent application that covers the composition of matter for BDTX-189, as well as methods of using and making BDTX-189. This PCT application may never result in an issued patent. This pending PCT patent application is not eligible to become an issued patent until, among other things, we file a national stage patent application within 30 months in the countries in which we seek patent protection. If we do not timely file any national stage patent applications, we may lose our priority date with respect to our PCT

patent application and any patent protection on the inventions disclosed in such PCT patent application. While we intend to timely file a national stage patent application relating to our PCT patent application, we cannot predict whether any of our future patent applications for BDTX-189 or any of our other product candidates will result in the issuance of patents that effectively protect BDTX-189 or our other product candidates. If we do not successfully obtain patent protection, or, even if we do obtain patent protection, if the scope of the patent protection we or our potential licensors obtain with respect to BDTX-189 or our other product candidates and technology is not sufficiently broad, we will be unable to prevent others from using our technology or from developing or commercializing technology and products similar or identical to ours or other competing products and technologies. Any failure to obtain or maintain patent protection with respect to BDTX-189 and our other product candidates would have a material adverse effect on our business, financial condition, results of operations and prospects.

The degree of patent protection we require to successfully compete in the marketplace may be unavailable or severely limited in some cases and may not adequately protect our rights or permit us to gain or keep any competitive advantage. We cannot provide any assurances that any patents we may own or in-license in the future will have, or that any of our patent applications that mature into issued patents will include, claims with a scope sufficient to protect our current and future product candidates or otherwise provide any competitive advantage. In addition, to the extent that we license intellectual property in the future, we cannot assure you that those licenses will remain in force. In addition, the laws of foreign countries may not protect our rights to the same extent as the laws of the United States. Furthermore, patents have a limited lifespan, and the term of any patents we may own or in-license in the future may be inadequate to protect our competitive position of our product candidates or technology for an adequate amount of time. In the United States, the natural expiration of a patent is generally 20 years after it is filed. Various extensions may be available; however, the life of a patent, and the protection it affords, is limited. Given the amount of time required for the development, testing and regulatory review of new product candidates, patents protecting such candidates might expire before or shortly after such candidates are commercialized.

Even if they are unchallenged, our patent applications, if issued, and any patents we may own or in-license in the future, may not provide us with any meaningful protection or prevent competitors from designing around our patent claims to circumvent any patents we may own or in-license in the future by developing similar or alternative technologies or therapeutics in a non-infringing manner. For example, a third party may develop a competitive therapy that provides benefits similar to one or more of our product candidates but that uses a formulation and/or a device that falls outside the scope of any patent protection we may have in the future. If the patent protection provided by our patent applications or any patents we may pursue with respect to our product candidates is not sufficiently broad to impede such competition, our ability to successfully commercialize our product candidates could be negatively affected, which would harm our business. Although we currently own our patent applications, similar risks would apply to any patents or patent applications that we may own or in-license in the future.

Patent positions of life sciences companies can be uncertain and involve complex factual and legal questions. Changes in either the patent laws or their interpretation in any jurisdiction that we seek patent protection may diminish our ability to protect our inventions, maintain and enforce our intellectual property rights; and, more generally, may affect the value of our intellectual property, including the narrowing of the scope of our patent applications or any patents we may own or in-license in the future.

The patent prosecution process is complex, expensive, time-consuming and inconsistent across jurisdictions. Patent license negotiations also can be complex and protracted, with uncertain results. We may not be able to file, prosecute, maintain, enforce, or license all necessary or desirable patent rights at a commercially reasonable cost or in a timely manner. In addition, we may not pursue or obtain patent protection in all relevant markets. It is possible that we will fail to identify important patentable aspects of our research and

development efforts in time to obtain appropriate or any patent protection. While we enter into non-disclosure and confidentiality agreements with parties who have access to confidential or patentable aspects of our research and development efforts, including for example, our employees, corporate collaborators, external academic scientific collaborators, CROs, contract manufacturers, consultants, advisors and other third parties, any of these parties may breach the agreements and disclose results before a patent application is filed, thereby endangering our ability to seek patent protection. In addition, publications of discoveries in the scientific and scholarly literature often lag behind the actual discoveries, and patent applications in the United States and other jurisdictions are typically not published until 18 months after filing, or in some cases not at all. Consequently, we cannot be certain that we were the first to file for patent protection on the inventions claimed in our patent applications.

It is possible that defects of form in the preparation or filing of our patent applications, or any patents we may own or in-license in the future, may exist or may arise in the future, for example with respect to proper priority claims, inventorship, claim scope, or requests for patent term adjustments. If we or our partners, collaborators, licensees or licensors fail to establish, maintain or protect such patents and other intellectual property rights, such rights may be reduced or eliminated. If our partners, collaborators, licensees or licensors are not fully cooperative or disagree with us as to the prosecution, maintenance or enforcement of any patent rights, such patent rights could be compromised. If there are material defects in the form, preparation, prosecution, or enforcement of our patent applications or patents we may own or in-license in the future, such patents may be invalid and/or unenforceable, and such applications may never result in valid, enforceable patents. Any of these outcomes could impair our ability to prevent competition from third parties, which may have an adverse impact on our business.

Additionally, we cannot be certain that the claims in our patent applications covering composition of matter of our product candidates or technology will be considered patentable by the USPTO, or by patent offices in foreign countries, or that the claims in any issued patents we may own or in-license in the future will be considered patentable by courts in the United States or foreign countries.

Method of use patents protect the use of a product for the specified method. These types of patents do not prevent a competitor from making and marketing a product that is identical to our product for an indication that is outside the scope of the patented method. Moreover, even if competitors do not actively promote their product for our targeted indications, physicians may prescribe these products "off-label." Although off-label prescriptions may induce or contribute to the infringement of method of use patents, the practice is common and such infringement is difficult to prevent or prosecute.

The patent position of pharmaceutical and biotechnology companies generally is highly uncertain and involves complex legal and factual questions for which many legal principles remain unresolved. In recent years, patent rights have been the subject of significant litigation. As a result, the issuance, scope, validity, enforceability and commercial value of any rights we may have from our patent applications are highly uncertain. Our patent applications may not result in patents being issued in the United States or in other jurisdictions which protect our technology or products or which effectively prevent others from commercializing competitive technologies and products. Moreover, our ability to obtain and maintain valid and enforceable patents depends on whether the differences between our inventions and the prior art, including our own previously filed patent applications and scientific publications, allow our inventions to be patentable over the prior art. Even if our patent applications issue as patents, third parties could challenge the validity of such patents based on such scientific publications and we could potentially lose valuable patent rights. Further, the scope of the invention claimed in a patent application can be significantly reduced before the patent is issued, and this scope can be reinterpreted after issuance. Even where patent applications we currently own or that we may license in the future issue as patents, they may not issue in a form that will provide us with any meaningful protection, prevent competitors or other third parties from competing with us, or otherwise provide us with a competitive



advantage. Any patents that eventually issue may be challenged, narrowed or invalidated by third parties. Consequently, we do not know whether any of our product candidates will be protectable or remain protected by valid and enforceable patent rights. Our competitors or other third parties may be able to evade any rights we may have from our patent applications by developing new compounds or alternative technologies or products in a non-infringing manner.

The issuance or grant of a patent is not irrefutable as to its inventorship, scope, validity or enforceability, and any patents we may own or in-license in the future may be challenged in the courts or patent offices in the United States and abroad. Such challenges may result in the patent claims of any patents we may own or in-license being narrowed, invalidated or held unenforceable, which could limit our ability to stop or prevent us from stopping others from using or commercializing similar or identical technology and products, or limit the duration of the patent protection of our technology and products. There may be prior art of which we are not aware that may affect the validity or enforceability of a patent claim. There also may be prior art of which we are aware, but which we do not believe affects the validity or enforceability of a claim, which may, nonetheless, ultimately be found to affect the validity or enforceability of a claim. We may in the future, become subject to a third-party pre-issuance submission of prior art or opposition, derivation, revocation, re-examination, post-grant and *inter partes* review, or interference proceeding and other similar proceedings challenging any rights we may have from our patent applications or the patent rights of others in the U.S. Patent and Trademark Office, or USPTO, or other foreign patent office, or in declaratory judgment actions or counterclaims. An unfavorable determination in any such submission, proceeding or litigation could reduce the scope of, or invalidate, any rights we may have from our patent applications, allow third parties to commercialize our technology or products and compete directly with us, without payment to us, or extinguish our ability to manufacture or commercialize products without infringing third-party patent rights.

In addition, given the amount of time required for the development, testing and regulatory review of new product candidates, patents protecting such candidates might expire before or shortly after such candidates are commercialized. As a result, our intellectual property may not provide us with sufficient rights to exclude others from commercializing products similar or identical to ours.

Moreover, some of our intellectual property, including any patents we may own or in-license in the future, may be co-owned with third parties. If we are unable to obtain an exclusive license to any such third-party co-owners' interest in such intellectual property, including patents or patent applications, such co-owners may be able to license their rights to other third parties, including our competitors, and our competitors could market competing products and technology. In addition, we or our future licensors may need the cooperation of any such co-owners of our owned and in-licensed intellectual property, including patents and patent applications, in order to enforce such intellectual property against third parties, and such cooperation may not be provided to us or our future licensors. Any of the foregoing could have a material adverse effect on our competitive position, business, financial conditions, results of operations and prospects.

We are generally also subject to all of the same risks with respect to protection of intellectual property that we license, as we are for intellectual property that we own, which are described below. If we or our future licensors fail to adequately protect this intellectual property, our ability to commercialize products could suffer.

***If we fail to comply with our obligations in any future agreements under which we may license intellectual property rights from third parties or otherwise experience disruptions to our business relationships with our future licensors, we could lose license rights that are important to our business.***

In the future, we may be party to license or collaboration agreements with third parties to advance our research or allow commercialization of product candidates. Such future agreements may impose numerous obligations, such as development, diligence, payment, commercialization, funding, milestone, royalty,



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sublicensing, insurance, patent prosecution, enforcement and other obligations on us and may require us to meet development timelines, or to exercise commercially reasonable efforts to develop and commercialize licensed products, in order to maintain the licenses. In spite of our best efforts, our future licensors might conclude that we have materially breached our future license agreements and might therefore terminate the license agreements, thereby removing or limiting our ability to develop and commercialize products and technologies covered by these license agreements.

Any termination of these licenses, or if the underlying patents fail to provide the intended exclusivity, could result in the loss of significant rights and could harm our ability to commercialize our product candidates, and competitors or other third parties would have the freedom to seek regulatory approval of, and to market, products identical to ours and we may be required to cease our development and commercialization of certain of our product candidates. Any of the foregoing could have a material adverse effect on our competitive position, business, financial conditions, results of operations, and prospects.

Disputes may also arise between us and our future licensors regarding intellectual property subject to a license agreement, including:

- the scope of rights granted under the license agreement and other interpretation-related issues;
- whether and the extent to which our technology and processes infringe, misappropriate or otherwise violate intellectual property rights of the licensor that is not subject to the licensing agreement;
- our right to sublicense patent and other rights to third parties under collaborative development relationships;
- our diligence obligations with respect to the use of the licensed technology in relation to our development and commercialization of our product candidates, and what activities satisfy those diligence obligations;
- the priority of invention of any patented technology; and
- the ownership of inventions and know-how resulting from the joint creation or use of intellectual property by our future licensors and us and our partners.

In addition, the agreements under which we may license intellectual property or technology from third parties in the future are likely to be complex, and certain provisions in such agreements may be susceptible to multiple interpretations. The resolution of any contract interpretation disagreement that may arise could narrow what we believe to be the scope of our rights to the relevant intellectual property or technology, or increase what we believe to be our financial or other obligations under the relevant agreement, either of which could have a material adverse effect on our business, financial condition, results of operations and prospects. Moreover, if disputes over intellectual property that we may license in the future prevent or impair our ability to maintain future licensing arrangements on acceptable terms, we may be unable to successfully develop and commercialize the affected product candidates, which could have a material adverse effect on our business, financial conditions, results of operations and prospects.

***If we are unable to protect the confidentiality of our trade secrets, our business and competitive position would be harmed.***

In addition to the protection afforded by patents we may own or in-license in the future, we seek to rely on trade secret protection, confidentiality agreements, and license agreements to protect proprietary know-how that is not patentable, processes for which patents are difficult to enforce and any other elements of our product discovery and development processes, including our MAP platform that involve proprietary know-how, information, or technology that is not covered by patents. Although we require all of our employees,

consultants, advisors and any third parties who have access to our proprietary know-how, information, or technology to enter into confidentiality agreements, trade secrets can be difficult to protect and we have limited control over the protection of trade secrets used by our collaborators and suppliers. We cannot be certain that we have or will obtain these agreements in all circumstances and we cannot guarantee that we have entered into such agreements with each party that may have or have had access to our trade secrets or proprietary information.

Moreover, any of these parties might breach the agreements and intentionally or inadvertently disclose our trade secret information and we may not be able to obtain adequate remedies for such breaches. In addition, competitors may otherwise gain access to our trade secrets or independently develop substantially equivalent information and techniques. Furthermore, the laws of some foreign countries do not protect proprietary rights and trade secrets to the same extent or in the same manner as the laws of the United States. As a result, we may encounter significant problems in protecting and defending our intellectual property both in the United States and abroad. If we are unable to prevent unauthorized material disclosure of our intellectual property to third parties, we will not be able to establish or maintain a competitive advantage in our market, which could materially adversely affect our business, financial condition, results of operations and future prospects.

Enforcing a claim that a party illegally disclosed or misappropriated a trade secret is difficult, expensive and time-consuming, and the outcome is unpredictable. If we choose to go to court to stop a third party from using any of our trade secrets, we may incur substantial costs. These lawsuits may consume our time and other resources even if we are successful. For example, significant elements of our MAP platform, including aspects of oncogenicity computational algorithms, in vivo experiments to validate mechanisms and pharmacology, drug design, and related processes, are based on unpatented trade secrets that are not publicly disclosed. Although we take steps to protect our proprietary information and trade secrets, including through contractual means with our employees and consultants, third parties may independently develop substantially equivalent proprietary information and techniques or otherwise gain access to our trade secrets or disclose our technology. If any of our trade secrets were to be lawfully obtained or independently developed by a competitor or other third party, we would have no right to prevent them from using that technology or information to compete with us.

Thus, we may not be able to meaningfully protect our trade secrets. It is our policy to require our employees, consultants, outside scientific collaborators, sponsored researchers and other advisors to execute confidentiality agreements upon the commencement of employment or consulting relationships with us. These agreements provide that all confidential information concerning our business or financial affairs developed or made known to the individual or entity during the course of the party's relationship with us is to be kept confidential and not disclosed to third parties except in specific circumstances. In addition, we take other appropriate precautions, such as physical and technological security measures, to guard against misappropriation of our proprietary technology by third parties. In the case of employees, the agreements provide that all inventions conceived by the individual, and which are related to our current or planned business or research and development or made during normal working hours, on our premises or using our equipment or proprietary information, are our exclusive property. Although we require all of our employees to assign their inventions to us, we may be unsuccessful in executing such an agreement with each party who, in fact, conceives or develops intellectual property that we regard as our own. The assignment of intellectual property rights may not be self-executing, or the assignment agreements may be breached, and we may be forced to bring claims against third parties, or defend claims that they may bring against us, to determine the ownership of what we regard as our intellectual property. Such claims could have a material adverse effect on our business, financial condition, results of operations, and prospects.

***Third-party claims of intellectual property infringement, misappropriation or other violations may be costly and time consuming and may prevent or delay our product discovery and development efforts.***

The intellectual property landscape around precision medicine is crowded, and third parties may initiate legal proceedings alleging that we are infringing, misappropriating, or otherwise violating their intellectual property rights, the outcome of which would be uncertain and could have a material adverse effect on the success of our business. Our commercial success depends upon our ability to develop, manufacture, market and sell our current and future product candidates and use our proprietary technologies without infringing, misappropriating or otherwise violating the intellectual property rights of third parties. There is a substantial amount of litigation involving patents and other intellectual property rights in the biotechnology and pharmaceutical industries, as well as administrative proceedings for challenging patents, including derivation, interference, reexamination, *inter partes* review, and post grant review proceedings before the USPTO or oppositions and other comparable proceedings in foreign jurisdictions. We or any of our future licensors or strategic partners may be party to, exposed to, or threatened with, future adversarial proceedings or litigation by third parties having patent or other intellectual property rights alleging that our current or future product candidates and/or proprietary technologies infringe, misappropriate or otherwise violate their intellectual property rights. We cannot assure you that our product candidates and other technologies that we have developed, are developing or may develop in the future do not or will not infringe, misappropriate or otherwise violate existing or future patents or other intellectual property rights owned by third parties. Numerous U.S. and foreign issued patents and pending patent applications, which are owned by third parties, exist in the fields in which we are developing our product candidates. As the biotechnology and pharmaceutical industries expand and more patents are issued, the risk increases that our product candidates may give rise to claims of infringement of the patent rights of others. Moreover, it is not always clear to industry participants, including us, which patents cover various types of drugs, products or their methods of use or manufacture. Thus, because of the large number of patents issued and patent applications filed in our fields, there may be a risk that third parties may allege they have patent rights encompassing our product candidates, technologies or methods.

If a third party claims that we infringe, misappropriate or otherwise violate its intellectual property rights, we may face a number of issues, including, but not limited to:

- infringement, misappropriation and other intellectual property claims which, regardless of merit, may be expensive and time-consuming to litigate and may divert our management's attention from our core business and may impact our reputation;
- substantial damages for infringement, misappropriation or other violations, which we may have to pay if a court decides that the product candidate or technology at issue infringes, misappropriates or violates the third party's rights, and, if the court finds that the infringement was willful, we could be ordered to pay treble damages and the patent owner's attorneys' fees;
- a court prohibiting us from developing, manufacturing, marketing or selling our product candidates, including BDTX-189, or from using our proprietary technologies, unless the third party licenses its product rights to us, which it is not required to do, on commercially reasonable terms or at all;
- if a license is available from a third party, we may have to pay substantial royalties, upfront fees and other amounts, and/or grant cross-licenses to intellectual property rights for our products, or the license to us may be non-exclusive, which would permit third parties to use the same intellectual property to compete with us;
- redesigning our product candidates or processes so they do not infringe, misappropriate or violate third party intellectual property rights, which may not be possible or may require substantial monetary expenditures and time; and

- there could be public announcements of the results of hearings, motions or other interim proceedings or developments, and, if securities analysts or investors perceive these results to be negative, it could have a substantial adverse effect on the price of our common stock.

Some of our competitors may be able to sustain the costs of complex patent litigation more effectively than we can because they have substantially greater resources. In addition, any uncertainties resulting from the initiation and continuation of any litigation could have a material adverse effect on our ability to raise the funds necessary to continue our operations or could otherwise have a material adverse effect on our business, results of operations, financial condition and prospects. The occurrence of any of the foregoing could have a material adverse effect on our business, financial condition, results of operations or prospects.

We may choose to challenge the patentability of claims in a third party's U.S. patent by requesting that the USPTO review the patent claims in an *ex-parte* re-exam, *inter partes* review or post-grant review proceedings. These proceedings are expensive and may consume our time or other resources. We may choose to challenge a third party's patent in patent opposition proceedings in the EPO, or other foreign patent office. The costs of these opposition proceedings could be substantial, and may consume our time or other resources. If we fail to obtain a favorable result at the USPTO, EPO or other patent office then we may be exposed to litigation by a third party alleging that the patent may be infringed by our product candidates or proprietary technologies.

Third parties may assert that we are employing their proprietary technology without authorization. Patents issued in the United States by law enjoy a presumption of validity that can be rebutted only with evidence that is "clear and convincing," a heightened standard of proof. There may be issued third-party patents of which we are currently unaware with claims to compositions, formulations, methods of manufacture or methods for treatment related to the use or manufacture of our product candidates. Patent applications can take many years to issue. In addition, because some patent applications in the United States may be maintained in secrecy until the patents are issued, patent applications in the United States and many foreign jurisdictions are typically not published until 18 months after filing, and publications in the scientific literature often lag behind actual discoveries, we cannot be certain that others have not filed patent applications covering our product candidates or technology. If any such patent applications issue as patents, and if such patents have priority over our patent applications or patents we may own or in-license, we may be required to obtain rights to such patents owned by third parties which may not be available on commercially reasonable terms or at all, or may only be available on a non-exclusive basis. There may be currently pending patent applications which may later result in issued patents that our product candidates may infringe. It is also possible that patents owned by third parties of which we are aware, but which we do not believe are relevant to our product candidates or other technologies, could be found to be infringed by our product candidates or other technologies. In addition, third parties may obtain patents in the future and claim that use of our technologies infringes upon these patents. Moreover, we may fail to identify relevant patents or incorrectly conclude that a patent is invalid, not enforceable, exhausted, or not infringed by our activities. If any third-party patents were held by a court of competent jurisdiction to cover the manufacturing process of our product candidates, molecules used in or formed during the manufacturing process, or any final product itself, the holders of any such patents may be able to block our ability to commercialize the product candidate unless we obtained a license under the applicable patents, or until such patents expire or they are finally determined to be held invalid or unenforceable. Similarly, if any third-party patent were held by a court of competent jurisdiction to cover aspects of our formulations, processes for manufacture or methods of use, including combination therapy or patient selection methods, the holders of any such patent may be able to block our ability to develop and commercialize the product candidate unless we obtained a license or until such patent expires or is finally determined to be held invalid or unenforceable. In either case, such a license may not be available on commercially reasonable terms or at all. If we are unable to obtain a necessary license to a third-party patent on commercially reasonable terms, or at all, our ability to commercialize our product candidates may be impaired or delayed, which could in turn

significantly harm our business. Even if we obtain a license, it may be nonexclusive, thereby giving our competitors access to the same technologies licensed to us. In addition, if the breadth or strength of protection provided by our patent applications or any patents we may own or in-license in the future is threatened, it could dissuade companies from collaborating with us to license, develop or commercialize current or future product candidates.

Parties making claims against us may seek and obtain injunctive or other equitable relief, which could effectively block our ability to further develop and commercialize our product candidates. Defense of these claims, regardless of their merit, could involve substantial litigation expense and would be a substantial diversion of employee resources from our business. In the event of a successful claim of infringement, misappropriation or other violation against us, we may have to pay substantial damages, including treble damages and attorneys' fees for willful infringement, obtain one or more licenses from third parties, pay royalties or redesign our infringing products, which may be impossible or require substantial time and monetary expenditure. We cannot predict whether any such license would be available at all or whether it would be available on commercially reasonable terms. Furthermore, even in the absence of litigation, we may need or may choose to obtain licenses from third parties to advance our research or allow commercialization of our product candidates. We may fail to obtain any of these licenses at a reasonable cost or on reasonable terms, if at all. In that event, we would be unable to further develop and commercialize our product candidates, which could harm our business significantly.

***We may not be successful in obtaining or maintaining necessary rights to product components and processes for our development pipeline through acquisitions and in-licenses.***

Presently we own one PCT patent application related to BDTX-189. Because additional product candidates may require the use of proprietary rights held by third parties, the growth of our business will likely depend in part on our ability to acquire, in-license or use these proprietary rights.

Our product candidates may also require specific formulations to work effectively and efficiently and these rights may be held by others. Similarly, efficient production or delivery of our product candidates may also require specific compositions or methods, and the rights to these may be owned by third parties. We may be unable to acquire or in-license any compositions, methods of use, processes or other third-party intellectual property rights from third parties that we identify as necessary or important to our business operations. We may fail to obtain any of these licenses at a reasonable cost or on reasonable terms, if at all, which would harm our business. We may need to cease use of the compositions or methods covered by such third-party intellectual property rights, and may need to seek to develop alternative approaches that do not infringe on such intellectual property rights which may entail additional costs and development delays, even if we were able to develop such alternatives, which may not be feasible. Even if we are able to obtain a license, it may be nonexclusive, thereby giving our competitors access to the same technologies licensed to us. In that event, we may be required to expend significant time and resources to develop or license replacement technology. Moreover, the molecules that will be used with our product candidates may be covered by the intellectual property rights of others.

Additionally, we sometimes collaborate with academic institutions to accelerate our preclinical research or development under written agreements with these institutions. In certain cases, these institutions provide us with an option to negotiate a license to any of the institution's rights in technology resulting from the collaboration. Regardless of such option, we may be unable to negotiate a license within the specified timeframe or under terms that are acceptable to us. If we are unable to do so, the institution may offer the intellectual property rights to others, potentially blocking our ability to pursue our program and allowing third parties to compete with us. If we are unable to successfully obtain rights to required third-party intellectual property or to maintain the existing intellectual property rights we have, we may have to abandon development of such program and our business and financial condition could suffer.

The licensing and acquisition of third-party intellectual property rights is a competitive area, and companies, which may be more established, or have greater resources than we do, may also be pursuing strategies to license or acquire third-party intellectual property rights that we may consider necessary or attractive in order to commercialize our product candidates. More established companies may have a competitive advantage over us due to their size, cash resources and greater clinical development and commercialization capabilities. In addition, companies that perceive us to be a competitor may be unwilling to assign or license rights to us. We also may be unable to license or acquire third-party intellectual property rights on terms that would allow us to make an appropriate return on our investment or at all. There can be no assurance that we will be able to successfully complete such negotiations and ultimately acquire the rights to the intellectual property surrounding the additional product candidates that we may seek to acquire. If we are unable to successfully obtain rights to required third-party intellectual property or to maintain the existing intellectual property rights we have, we may have to abandon development of such program and our business, results of operations, financial condition and prospects could suffer.

***We may be involved in lawsuits to protect or enforce our intellectual property rights, including any patents we may own or in-license in the future, which could be expensive, time-consuming and unsuccessful.***

Competitors may infringe any patents we may own or in-license in the future. In addition, any patents we may own or in-license also may become involved in inventorship, priority, validity or unenforceability disputes. To counter infringement or unauthorized use, we may be required to file infringement claims, which can be expensive and time-consuming. We may not prevail in any lawsuits that we initiate, and the damages or other remedies awarded, if any, may not be commercially meaningful. In addition, in an infringement proceeding, a court may decide that one or more of any patents we may own or in-license in the future is not valid or is unenforceable or that the other party's use of our technology that may be patented falls under the safe harbor to patent infringement under 35 U.S.C. §271(e)(1). There is also the risk that, even if the validity of these patents is upheld, the court may refuse to stop the other party from using the technology at issue on the grounds that any patents we may own or in-license in the future do not cover the technology in question or that such third party's activities do not infringe our patent applications or any patents we may own or in-license in the future. An adverse result in any litigation or defense proceedings could put one or more of any patents we may own or in-license in the future at risk of being invalidated, held unenforceable, or interpreted narrowly and could put our patent applications at risk of not issuing. Defense of these claims, regardless of their merit, would involve substantial litigation expense and would be a substantial diversion of employee resources from our business. In the event of a successful claim of infringement against us, we may have to pay substantial damages, including treble damages and attorneys' fees for willful infringement, obtain one or more licenses from third parties, pay royalties or redesign our infringing products, which may be impossible or require substantial time and monetary expenditure. Such litigation or proceedings could substantially increase our operating losses and reduce the resources available for development activities or any future sales, marketing, or distribution activities. We may not have sufficient financial or other resources to conduct such litigation or proceedings adequately. Some of our competitors may be able to sustain the costs of such litigation or proceedings more effectively than we can because of their greater financial resources and more mature and developed intellectual property portfolios. Uncertainties resulting from the initiation and continuation of patent litigation or other proceedings could have a material adverse effect on our ability to compete in the marketplace.

Post-grant proceedings provoked by third parties or brought by the USPTO may be necessary to determine the validity or priority of inventions with respect to our patent applications or any patents we may own or in-license in the future. These proceedings are expensive and an unfavorable outcome could result in a loss our current patent rights and could require us to cease using the related technology or to attempt to license rights to it from the prevailing party. Our business could be harmed if the prevailing party does not offer us a license on commercially reasonable terms. In addition to potential USPTO review proceedings, we may become a party to

patent opposition proceedings in the European Patent Office, or EPO, or similar proceedings in other foreign patent offices, where either our foreign patents are challenged. The costs of these opposition or similar proceedings could be substantial, and may result in a loss of scope of some claims or a loss of the entire patent. An unfavorable result at the USPTO, EPO or other patent office may result in the loss of our right to exclude others from practicing one or more of our inventions in the relevant country or jurisdiction, which could have a material adverse effect on our business.

Litigation or post-grant proceedings may result in a decision adverse to our interests and, even if we are successful, may result in substantial costs and distract our management and other employees. We may not be able to prevent, misappropriation of our trade secrets or confidential information, particularly in countries where the laws may not protect those rights as fully as in the United States.

Furthermore, because of the substantial amount of discovery required in connection with intellectual property litigation, there is a risk that some of our confidential information could be compromised by disclosure during this type of litigation. In addition, there could be public announcements of the results of hearings, motions or other interim proceedings or developments. If securities analysts or investors perceive these results to be negative, it could have a substantial adverse effect on the price of our common stock.

We may not be able to detect infringement against any patents we may own or in-license in the future. Even if we detect infringement by a third party of any patents we may own or in-license in the future, we may choose not to pursue litigation against or settlement with the third party. If we later sue such third party for patent infringement, the third party may have certain legal defenses available to it, which otherwise would not be available except for the delay between when the infringement was first detected and when the suit was brought. Such legal defenses may make it impossible for us to enforce any patents we may own or in-license against such third party.

***Obtaining and maintaining patent protection depends on compliance with various procedural, document submission, fee payment and other requirements imposed by governmental patent agencies, and patent protection could be reduced or eliminated for non-compliance with these requirements.***

Periodic maintenance fees, renewal fees, annuity fees and various other government fees on any issued patent are due to be paid to the USPTO and foreign patent agencies in several stages over the lifetime of the patent. The USPTO and various foreign governmental patent agencies require compliance with a number of procedural, documentary, fee payment and other similar provisions during the patent application process and following the issuance of a patent. While an inadvertent lapse can in some cases be cured by payment of a late fee or by other means in accordance with the applicable rules, there are situations in which noncompliance can result in abandonment or lapse of the patent or patent application, resulting in partial or complete loss of patent rights in the relevant jurisdiction. Noncompliance events that could result in abandonment or lapse of a patent include, but are not limited to, failure to respond to official actions within prescribed time limits, non-payment of fees and failure to properly legalize and submit formal documents. In such an event, our competitors might be able to enter the market with similar or identical products or platforms, which could have a material adverse effect on our business prospects and financial condition.

***Any issued patents we may own or in-license in the future covering our product candidates could be narrowed or found invalid or unenforceable if challenged in court or before administrative bodies in the United States or abroad, including the USPTO.***

If we or our future licensors or strategic partners initiate legal proceedings against a third party to enforce a patent covering one of our product candidates, the defendant could counterclaim that the patent covering our product candidate, as applicable, is invalid and/or unenforceable. In patent litigation in the United States, defendant counterclaims alleging invalidity and/or unenforceability are commonplace, and there are numerous



grounds upon which a third party can assert invalidity or unenforceability of a patent. Grounds for a validity challenge could be an alleged failure to meet any of several statutory requirements, including lack of patentable subject matter, lack of written description, lack of novelty, obviousness, or non-enablement. Grounds for an unenforceability assertion could be an allegation that someone connected with prosecution of the patent withheld relevant information from the USPTO, or made a misleading statement, during prosecution. Third parties may also raise similar claims before administrative bodies in the United States or abroad, even outside the context of litigation. Such mechanisms include re-examination, *inter partes* review, post grant review and equivalent proceedings in foreign jurisdictions (such as opposition proceedings). Such proceedings could result in revocation or amendment to our patent applications or any patents we may own or in-license in the future in such a way that they no longer cover our product candidates. The outcome following legal assertions of invalidity and unenforceability is unpredictable. An adverse determination in any such submission, proceeding or litigation could reduce the scope of, or invalidate or render unenforceable, any rights we may have from our patent applications or any patents we may own or in-license in the future, allow third parties to commercialize our product candidates or other technologies and compete directly with us, without payment to us, or result in our inability to manufacture or commercialize products without infringing third-party patent rights. Moreover, we may have to participate in interference proceedings declared by the USPTO to determine priority of invention or in post-grant challenge proceedings, such as oppositions in a foreign patent office, that challenge our or priority of invention or other features of patentability with respect to our patent applications and any patents we may own or in-license. Such challenges may result in loss of patent rights, loss of exclusivity, or in patent claims being narrowed, invalidated, or held unenforceable, which could limit our ability to stop others from using or commercializing similar or identical technology and products, or limit the duration of the patent protection of our product candidates and other technologies. With respect to the validity question, for example, we cannot be certain that there is no invalidating prior art, of which we or our future licensing partners and the patent examiner were unaware during prosecution. If a defendant were to prevail on a legal assertion of invalidity and/or unenforceability, or if we are otherwise unable to adequately protect our rights, we would lose at least part, and perhaps all, of the patent protection on our product candidates. Such a loss of patent protection could have a material adverse impact on our business and our ability to commercialize or license our technology and product candidates.

Such proceedings also may result in substantial cost and require significant time from our scientists and management, even if the eventual outcome is favorable to us. If we are unsuccessful in any such proceeding or other priority or inventorship dispute, we may be required to obtain and maintain licenses from third parties, including parties involved in any such interference proceedings or other priority or inventorship disputes. Such licenses may not be available on commercially reasonable terms or at all, or may be non-exclusive. If we are unable to obtain and maintain such licenses, we may need to cease the development, manufacture, and commercialization of one or more of the product candidates we may develop. The loss of exclusivity or the narrowing of our patent application claims could limit our ability to stop others from using or commercializing similar or identical technology and products. Any of the foregoing could have a material adverse effect on our business, results of operations, financial condition and prospects.

***Changes to patent law in the United States and in foreign jurisdictions could diminish the value of patents in general, thereby impairing our ability to protect our products.***

As is the case with other biopharmaceutical companies, our success is heavily dependent on intellectual property, particularly patents. Obtaining and enforcing patents in the biopharmaceutical industry involve both technological and legal complexity, and is therefore costly, time-consuming and inherently uncertain. Recent U.S. Supreme Court rulings have narrowed the scope of patent protection available in certain circumstances and weakened the rights of patent owners in certain situations. In addition to increasing uncertainty with regard to our ability to obtain patents in the future, this combination of events has created uncertainty with



respect to the value of patents, once obtained. Depending on decisions by the U.S. Congress, the federal courts, and the USPTO, the laws and regulations governing patents could change in unpredictable ways that would weaken our ability to obtain new patents or to enforce patents that we might obtain in the future. For example, in the case *Assoc. for Molecular Pathology v. Myriad Genetics, Inc.*, the U.S. Supreme Court held that certain claims to DNA molecules are not patentable. Any adverse changes in the patent laws of other jurisdictions could have a material adverse effect on our business and financial condition. Changes in the laws and regulations governing patents in other jurisdictions could similarly have an adverse effect on our ability to obtain and effectively enforce any rights we may have in our patent applications or any patents we may own or in-license in the future.

Recent or future patent reform legislation could also increase the uncertainties and costs surrounding the prosecution of our patent applications and the enforcement or defense of any patents we may own or in-license in the future. The United States has enacted and implemented wide-ranging patent reform legislation. On September 16, 2011, the Leahy-Smith America Invents Act, or America Invents Act, was signed into law, which includes a number of significant changes to U.S. patent law. These include provisions that affect the way patent applications are prosecuted, redefine prior art, may affect patent litigation, establish a new post-grant review system and switch the U.S. patent system from a "first-to-invent" system to a "first-to-file" system. Under a "first-to-file" system, assuming the other requirements for patentability are met, the first inventor to file a patent application generally will be entitled to a patent on the invention regardless of whether another inventor had made the invention earlier. Since patent applications in the United States and most other countries are confidential for a period of time after filing or until issuance, we cannot be certain that we were the first to either (i) file any patent application related to our product candidates or other technologies or (ii) invent any of the inventions claimed in our patent applications or any patents we may own or in-license. These changes also allow third party submission of prior art to the USPTO during patent prosecution and additional procedures to attack the validity of a patent by USPTO administered post-grant proceedings, including post-grant review, *inter partes* review, and derivation proceedings. Because of a lower evidentiary standard in USPTO proceedings compared to the evidentiary standard in United States federal courts necessary to invalidate a patent claim, a third party could potentially provide evidence in a USPTO proceeding sufficient for the USPTO to hold a claim invalid even though the same evidence would be insufficient to invalidate the claim if first presented in a district court action. Accordingly, a third party may attempt to use the USPTO procedures to invalidate our patent claims that would not have been invalidated if first challenged by the third party as a defendant in a district court action. An adverse determination in any such proceeding could reduce the scope of, or invalidate, our patent rights, allow third parties to commercialize our technology or products and compete directly with us, without payment to us, or result in our inability to manufacture or commercialize products without infringing third-party patent rights. Accordingly, the America Invents Act and its implementation could increase the uncertainties and costs surrounding the prosecution of our patent applications and the enforcement or defense of any issued patents we may own or in-license in the future, all of which could have a material adverse effect on our business and financial condition.

***We have limited foreign intellectual property rights and may not be able to protect our intellectual property rights throughout the world.***

We may not be able to pursue generic coverage of our product candidates or MAP platform outside of the United States. Filing, prosecuting and defending patents on product candidates in all countries throughout the world would be prohibitively expensive, and intellectual property rights in some countries outside the United States can be less extensive than those in the United States. In addition, the laws of some foreign countries do not protect intellectual property rights to the same extent as federal and state laws in the United States. Consequently, we may not be able to prevent third parties from practicing our inventions in all countries outside the United States, or from selling or importing products made using our inventions in and into the

United States or other jurisdictions. Competitors may use our technologies in jurisdictions where we have not obtained patent protection to develop their own products and further, may export otherwise infringing products to territories where we have patent protection, but where enforcement is not as strong as that in the United States. These products may compete with our product candidates and in jurisdictions where we do not have any issued patents our patent applications or other intellectual property rights may not be effective or sufficient to prevent them from competing. Our patent portfolio is at the very early stage. We will need to decide whether and in which jurisdictions to pursue protection for the various inventions in our portfolio prior to applicable deadlines.

Many companies have encountered significant problems in protecting and defending intellectual property rights in foreign jurisdictions. The legal systems of certain countries, particularly certain developing countries, do not favor the enforcement of patents, trade secrets and other intellectual property protection, particularly those relating to biopharmaceutical products, which could make it difficult for us to stop the infringement of any patents we may own or in-license in the future or marketing of competing products in violation of our proprietary rights generally. Proceedings to enforce any rights we may have in our patent applications or any patents we may own or in-license in the future in foreign jurisdictions could result in substantial costs and divert our efforts and attention from other aspects of our business, could put any patents we may own or in-license in the future at risk of being invalidated or interpreted narrowly and our patent applications at risk of not issuing and could provoke third parties to assert claims against us. We may not prevail in any lawsuits that we initiate and the damages or other remedies awarded, if any, may not be commercially meaningful. Accordingly, our efforts to enforce our intellectual property rights around the world may be inadequate to obtain a significant commercial advantage from the intellectual property that we develop or license.

Many countries have compulsory licensing laws under which a patent owner may be compelled to grant licenses to third parties. In addition, many countries limit the enforceability of patents against government agencies or government contractors. In these countries, the patent owner may have limited remedies, which could materially diminish the value of such patent. If we are forced to grant a license to third parties with respect to any patents we may own or license in the future that are relevant to our business, our competitive position may be impaired, and our business, financial condition, results of operations, and prospects may be adversely affected.

***We may be subject to claims challenging the inventorship or ownership of any intellectual property, including any patents we may own or in-license in the future.***

We may be subject to claims that former employees, collaborators or other third parties have an interest in any patents we may own or in-license in the future, trade secrets, or other intellectual property as an inventor or co-inventor. For example, we may have inventorship disputes arise from conflicting obligations of employees, consultants or others who are involved in developing our product candidates or other technologies. We generally enter into confidentiality and intellectual property assignment agreements with our employees, consultants, and contractors. These agreements generally provide that inventions conceived by the party in the course of rendering services to us will be our exclusive property. However, those agreements may not be honored and may not effectively assign intellectual property rights to us. Moreover, there may be some circumstances, where we are unable to negotiate for such ownership rights. Disputes regarding ownership or inventorship of intellectual property can also arise in other contexts, such as collaborations and sponsored research. If we are subject to a dispute challenging our rights in or to patents or other intellectual property, such a dispute could be expensive and time consuming. Litigation may be necessary to defend against these and other claims challenging inventorship of any patents we may own or in-license in the future, trade secrets or other intellectual property. If we were unsuccessful, in addition to paying monetary damages, we could lose valuable rights in intellectual property that we regard as our own, such as exclusive ownership of, or right to use, intellectual property that is important to our product candidates and other technologies. Even if we are successful in defending against such claims, litigation could result in substantial costs and be a distraction to

management and other employees. Any of the foregoing could have a material adverse effect on our business, financial condition, results of operations and prospects.

We are party to a services agreement with Ridgeline Therapeutics GmbH, or the Ridgeline Services Agreement, pursuant to which Ridgeline provides certain drug discovery and development services. Pursuant to the Ridgeline Services Agreement, we own all rights in and to all patent, copyright and other intellectual property rights generated by Ridgeline in the course of performing the specified services. If it is unclear whether certain intellectual property generated by Ridgeline is our property, we may be subject to conflicting claims of ownership.

***We may be subject to claims that our employees, consultants or independent contractors have wrongfully used or disclosed confidential information or alleged trade secrets of third parties or competitors or are in breach of non-competition or non-solicitation agreements with our competitors.***

We have received confidential and proprietary information from third parties. In addition, as is common in the biotechnology and pharmaceutical industries, we employ individuals who were previously employed at universities or other biotechnology or pharmaceutical companies, including our competitors or potential competitors, in some cases until recently. We may be subject to claims that we or our employees, consultants or independent contractors have inadvertently or otherwise used or disclosed confidential information or trade secrets of these third parties or our employees' former employers or our consultants' or contractors' current or former clients or customers. In addition, we have been and may in the future be subject to claims that we caused an employee to breach the terms of his or her non-competition or non-solicitation agreement. Litigation or arbitration may be necessary to defend against these claims. If we fail in defending any such claims, in addition to paying monetary damages, we may lose valuable intellectual property rights or personnel. Even if we are successful in defending against such claims, litigation or other legal proceedings relating to intellectual property claims and possible aftermath could result in substantial cost and be a distraction to our management and employees. Any litigation or the threat thereof may adversely affect our ability to hire employees. A loss of key personnel or their work product could hamper or prevent our ability to commercialize product candidates, which could have an adverse effect on our business, results of operations and financial condition. In addition, there could be public announcements of the results of hearings, motions or other interim proceedings or developments, and, if securities analysts or investors perceive these results to be negative, it could have a substantial adverse effect on the price of our common stock. This type of litigation or proceeding could substantially increase our operating losses and reduce our resources available for development activities. We may not have sufficient financial or other resources to adequately conduct such litigation or proceedings. Some of our competitors may be able to sustain the costs of such litigation or proceedings more effectively than we can because of their substantially greater financial resources. Uncertainties resulting from the initiation and continuation of patent litigation or other intellectual property related proceedings could adversely affect our ability to compete in the marketplace.

***If we do not obtain patent term extension and data exclusivity for any of our current or future product candidates we may develop, our business may be materially harmed.***

Depending upon the timing, duration and specifics of any FDA marketing approval of any of our current or future product candidates we may develop, one or more U.S. patents we may own or in-license in the future may be eligible for limited patent term extension under the Drug Price Competition and Patent Term Restoration Act of 1984, or the Hatch-Waxman Amendments. The Hatch-Waxman Amendments permit a patent term extension of up to five years as compensation for patent term lost during the FDA regulatory review process. A patent term extension cannot extend the remaining term of a patent beyond a total of 14 years from the date of product approval, only one patent may be extended and only those claims covering the approved drug, a method for using it, or a method for manufacturing it may be extended. However, we may not be granted an extension because of, for example, failing to exercise due diligence during the testing phase or

regulatory review process, failing to apply within applicable deadlines, failing to apply prior to expiration of relevant patents, or otherwise failing to satisfy applicable requirements. Moreover, the applicable time period or the scope of patent protection afforded could be less than we request. If we are unable to obtain patent term extension or the term of any such extension is shorter than what we request, our competitors may obtain approval of competing products following expiration of any patents that issue from our patent applications, and our business, financial condition, results of operations, and prospects could be materially harmed.

***If our trademarks and trade names are not adequately protected, then we may not be able to build name recognition in our marks of interest and our business may be adversely affected.***

Our trademarks or trade names may be challenged, infringed, diluted, circumvented or declared generic or determined to be infringing on other marks. We intend to rely on both registration and common law protection for our trademarks. We may not be able to protect our rights to these trademarks and trade names or may be forced to stop using these names, which we need for name recognition by potential partners or customers in our markets of interest. During the trademark registration process, we may receive Office Actions from the USPTO objecting to the registration of our trademark. Although we would be given an opportunity to respond to those objections, we may be unable to overcome such rejections. In addition, in the USPTO and in comparable agencies in many foreign jurisdictions, third parties are given an opportunity to oppose pending trademark applications and/or to seek the cancellation of registered trademarks. Opposition or cancellation proceedings may be filed against our trademarks, and our trademarks may not survive such proceedings. If we are unable to obtain a registered trademark or establish name recognition based on our trademarks and trade names, we may not be able to compete effectively and our business may be adversely affected.

***Numerous factors may limit any potential competitive advantage provided by our intellectual property rights.***

The degree of future protection afforded by our intellectual property rights, whether owned or in-licensed, is uncertain because intellectual property rights have limitations, and may not adequately protect our business, provide a barrier to entry against our competitors or potential competitors, or permit us to maintain our competitive advantage. Moreover, if a third party has intellectual property rights that cover the practice of our technology, we may not be able to fully exercise or extract value from our intellectual property rights. The following examples are illustrative:

- patent applications that we own or may in-license in the future may not lead to issued patents;
- patents, should they issue, that we may own or in-license in the future, may not provide us with any competitive advantages, may be narrowed in scope, or may be challenged and held invalid or unenforceable;
- others may be able to develop and/or practice technology, including compounds that are similar to the chemical compositions of our product candidates, that is similar to our technology or aspects of our technology but that is not covered by the claims of any patents we may own or in-license in the future, should any patents issue;
- third parties may compete with us in jurisdictions where we do not pursue and obtain patent protection;
- we, or our future licensors or collaborators, might not have been the first to make the inventions covered by a patent application that we own or may in-license in the future;
- we, or our future licensors or collaborators, might not have been the first to file patent applications covering a particular invention;
- others may independently develop similar or alternative technologies without infringing, misappropriating or otherwise violating our intellectual property rights;

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- our competitors might conduct research and development activities in the United States and other countries that provide a safe harbor from patent infringement claims for certain research and development activities, as well as in countries where we do not have patent rights, and may then use the information learned from such activities to develop competitive products for sale in our major commercial markets;
- we may not be able to obtain and/or maintain necessary licenses on reasonable terms or at all;
- third parties may assert an ownership interest in our intellectual property and, if successful, such disputes may preclude us from exercising exclusive rights, or any rights at all, over that intellectual property;
- we may choose not to file a patent in order to maintain certain trade secrets or know-how, and a third party may subsequently file a patent covering such trade secrets or know-how;
- we may not be able to maintain the confidentiality of our trade secrets or other proprietary information;
- we may not develop or in-license additional proprietary technologies that are patentable; and
- the patents of others may have an adverse effect on our business.

Should any of these events occur, they could significantly harm our business, financial condition, results of operations and prospects.

### **Risks related to our reliance on third parties**

***We plan to rely on third parties to conduct our preclinical studies and clinical trials. If these third parties do not properly and successfully carry out their contractual duties or meet expected deadlines, we may not be able to obtain regulatory approval of or commercialize our product candidates.***

We plan to utilize and depend upon independent investigators and collaborators, such as medical institutions, CROs, contract manufacturing organizations, or CMOs, and strategic partners to conduct and support our preclinical studies and clinical trials under agreements with us. For example, we contract with Ridgeline for services related to our drug discovery and preclinical work, but we are continuing to build our internal chemistry, manufacturing and controls, biology and preclinical development capabilities to assume activities conducted by Ridgeline on our behalf. We expect to transition from our current service model to a more limited consulting arrangement with Ridgeline. As part of this transition, we may incur additional costs or experience delays in engaging directly with other third-party CROs and CMOs.

We expect to have to negotiate budgets and contracts with CROs, trial sites and CMOs and we may not be able to do so on favorable terms, which may result in delays to our development timelines and increased costs. We will rely heavily on these third parties over the course of our preclinical studies and clinical trials, and we control only certain aspects of their activities. As a result, we will have less direct control over the conduct, timing and completion of these preclinical studies and clinical trials and the management of data developed through preclinical studies and clinical trials than would be the case if we were relying entirely upon our own staff. Nevertheless, we are responsible for ensuring that each of our studies is conducted in accordance with applicable protocol, legal and regulatory requirements and scientific standards, and our reliance on third parties does not relieve us of our regulatory responsibilities. We and these third parties are required to comply with GCPs, which are regulations and guidelines enforced by the FDA and comparable foreign regulatory authorities for product candidates in clinical development. Regulatory authorities enforce these GCPs through periodic inspections of trial sponsors, principal investigators and trial sites. If we or any of these third parties fail to comply with applicable GCP regulations, the clinical data generated in our clinical trials may be deemed unreliable and the FDA or comparable foreign regulatory authorities may require us to perform additional clinical trials before approving our marketing applications. We cannot assure you that, upon inspection, such regulatory authorities will

determine that any of our clinical trials comply with the GCP regulations. In addition, our clinical trials must be conducted with pharmaceutical product produced under cGMP regulations and will require a large number of test patients. Our failure or any failure by these third parties to comply with these regulations or to recruit a sufficient number of patients may require us to repeat clinical trials, which would delay the regulatory approval process. Moreover, our business may be implicated if any of these third parties violates federal or state fraud and abuse or false claims laws and regulations or healthcare privacy and security laws.

Any third parties conducting our clinical trials are not and will not be our employees and, except for remedies available to us under our agreements with such third parties, we cannot control whether or not they devote sufficient time and resources to our ongoing, clinical and non-clinical product candidates. These third parties may also have relationships with other commercial entities, including our competitors, for whom they may also be conducting clinical trials or other drug development activities, which could affect their performance on our behalf. If these third parties do not successfully carry out their contractual duties or obligations or meet expected deadlines, if they need to be replaced or if the quality or accuracy of the clinical data they obtain is compromised due to the failure to adhere to our clinical protocols or regulatory requirements or for other reasons, our clinical trials may be extended, delayed or terminated and we may not be able to complete development of, obtain regulatory approval of or successfully commercialize our product candidates. As a result, our financial results and the commercial prospects for our product candidates would be harmed, our costs could increase and our ability to generate revenue could be delayed.

Switching or adding third parties to conduct our preclinical studies and clinical trials involves substantial cost and requires extensive management time and focus. In addition, there is a natural transition period when a new third party commences work. As a result, delays occur, which can materially impact our ability to meet our desired clinical development timelines.

***We may form or seek collaborations or strategic alliances or enter into additional licensing arrangements in the future, and we may not realize the benefits of such collaborations, alliances or licensing arrangements.***

We may form or seek strategic alliances, create joint ventures or collaborations, or enter into additional licensing arrangements with third parties that we believe will complement or augment our development and commercialization efforts with respect to our product candidates and any future product candidates that we may develop. Any of these relationships may require us to incur non-recurring and other charges, increase our near and long-term expenditures, issue securities that dilute our existing stockholders or disrupt our management and business.

In addition, we face significant competition in seeking appropriate strategic partners and the negotiation process is time-consuming and complex. Moreover, we may not be successful in our efforts to establish a strategic partnership or other alternative arrangements for our product candidates because they may be deemed to be at too early of a stage of development for collaborative effort and third parties may not view our product candidates as having the requisite potential to demonstrate safety, potency, purity and efficacy and obtain marketing approval.

Further, collaborations involving our product candidates are subject to numerous risks, which may include the following:

- collaborators have significant discretion in determining the efforts and resources that they will apply to a collaboration;
- collaborators may not pursue development and commercialization of our product candidates or may elect not to continue or renew development or commercialization of our product candidates based on clinical trial results, changes in their strategic focus due to the acquisition of competitive products, availability of funding

or other external factors, such as a business combination that diverts resources or creates competing priorities;

- collaborators may delay clinical trials, provide insufficient funding for a clinical trial, stop a clinical trial, abandon a product candidate, repeat or conduct new clinical trials or require a new formulation of a product candidate for clinical testing;
- collaborators could independently develop, or develop with third parties, products that compete directly or indirectly with our product candidates;
- a collaborator with marketing and distribution rights to one or more products may not commit sufficient resources to their marketing and distribution;
- collaborators may not properly maintain or defend our intellectual property rights or may use our intellectual property or proprietary information in a way that gives rise to actual or threatened litigation that could jeopardize or invalidate our intellectual property or proprietary information or expose us to potential liability;
- disputes may arise between us and a collaborator that cause the delay or termination of the research, development or commercialization of our product candidates, or that result in costly litigation or arbitration that diverts management attention and resources;
- collaborations may be terminated and, if terminated, may result in a need for additional capital to pursue further development or commercialization of the applicable product candidates; and
- collaborators may own or co-own intellectual property covering our products that results from our collaborating with them, and in such cases, we would not have the exclusive right to commercialize such intellectual property.

As a result, if we enter into additional collaboration agreements and strategic partnerships or license our product candidates, we may not be able to realize the benefit of such transactions if we are unable to successfully integrate them with our existing operations and company culture, which could delay our timelines or otherwise adversely affect our business. We also cannot be certain that, following a strategic transaction or license, we will achieve the revenue or specific net income that justifies such transaction. Any delays in entering into new collaborations or strategic partnership agreements related to our product candidates could delay the development and commercialization of our product candidates in certain geographies for certain indications, which would harm our business prospects, financial condition and results of operations.

***We currently rely and expect to rely in the future on the use of manufacturing suites in third-party facilities or third parties to manufacture our product candidates. Our business could be harmed if we are unable to use third-party manufacturing suites or if the third party manufacturers fail to provide us with sufficient quantities of our product candidates or fail to do so at acceptable quality levels or prices.***

We do not currently own any facility that may be used as our clinical-scale manufacturing and processing facility and must currently rely on outside vendors to manufacture our product candidates. We have not yet caused our product candidates to be manufactured on a commercial scale and may not be able to do so for any of our product candidates.

Our anticipated reliance on a limited number of third-party manufacturers exposes us to a number of risks, including the following:

- we may be unable to identify manufacturers on acceptable terms or at all because the number of potential manufacturers is limited and the FDA must inspect any manufacturers for current cGMP compliance as part of our marketing application;



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- a new manufacturer would have to be educated in, or develop substantially equivalent processes for, the production of our product candidates;
- our third-party manufacturers might be unable to timely manufacture our product candidates or produce the quantity and quality required to meet our clinical and commercial needs, if any;
- contract manufacturers may not be able to execute our manufacturing procedures and other logistical support requirements appropriately;
- our future contract manufacturers may not perform as agreed, may not devote sufficient resources to our product candidates or may not remain in the contract manufacturing business for the time required to supply our clinical trials or to successfully produce, store, and distribute our products, if any;
- manufacturers are subject to ongoing periodic unannounced inspection by the FDA and corresponding state agencies to ensure strict compliance with cGMP and other government regulations and corresponding foreign standards and we have no control over third-party manufacturers' compliance with these regulations and standards;
- we may not own, or may have to share, the intellectual property rights to any improvements made by our third-party manufacturers in the manufacturing process for our product candidates;
- our third-party manufacturers could breach or terminate their agreements with us;
- raw materials and components used in the manufacturing process, particularly those for which we have no other source or supplier, may not be available or may not be suitable or acceptable for use due to material or component defects;
- our contract manufacturers and critical reagent suppliers may be subject to inclement weather, as well as natural or man-made disasters; and
- our contract manufacturers may have unacceptable or inconsistent product quality success rates and yields, and we have no direct control over our contract manufacturers' ability to maintain adequate quality control, quality assurance and qualified personnel.

Each of these risks could delay or prevent the completion of our clinical trials or the approval of any of our product candidates by the FDA, result in higher costs or adversely impact commercialization of our product candidates. In addition, we will rely on third parties to perform certain specification tests on our product candidates prior to delivery to patients. If these tests are not appropriately done and test data are not reliable, patients could be put at risk of serious harm and the FDA could place significant restrictions on our company until deficiencies are remedied.

***Our manufacturing process needs to comply with FDA regulations relating to the quality and reliability of such processes. Any failure to comply with relevant regulations could result in delays in or termination of our clinical programs and suspension or withdrawal of any regulatory approvals.***

In order to commercially produce our products either at our own facility or at a third party's facility, we will need to comply with the FDA's cGMP regulations and guidelines. We may encounter difficulties in achieving quality control and quality assurance and may experience shortages in qualified personnel. We are subject to inspections by the FDA and comparable foreign regulatory authorities to confirm compliance with applicable regulatory requirements. Any failure to follow cGMP or other regulatory requirements or delay, interruption or other issues that arise in the manufacture, fill-finish, packaging, or storage of our precision medicines as a result of a failure of our facilities or the facilities or operations of third parties to comply with regulatory requirements or pass any regulatory authority inspection could significantly impair our ability to develop and



commercialize our product candidates, including leading to significant delays in the availability of our precision medicines for our clinical trials or the termination of or suspension of a clinical trial, or the delay or prevention of a filing or approval of marketing applications for our product candidates. Significant non-compliance could also result in the imposition of sanctions, including warning or untitled letters, fines, injunctions, civil penalties, failure of regulatory authorities to grant marketing approvals for our product candidates, delays, suspension or withdrawal of approvals, license revocation, seizures or recalls of products, operating restrictions and criminal prosecutions, any of which could damage our reputation and our business.

***If our third-party manufacturers use hazardous and biological materials in a manner that causes injury or violates applicable law, we may be liable for damages.***

Our research and development activities involve the controlled use of potentially hazardous substances, including chemical and biological materials, by our third-party manufacturers. Our manufacturers are subject to federal, state and local laws and regulations in the United States governing the use, manufacture, storage, handling and disposal of medical and hazardous materials. Although we believe that our manufacturers' procedures for using, handling, storing and disposing of these materials comply with legally prescribed standards, we cannot completely eliminate the risk of contamination or injury resulting from medical or hazardous materials. As a result of any such contamination or injury, we may incur liability or local, city, state or federal authorities may curtail the use of these materials and interrupt our business operations. In the event of an accident, we could be held liable for damages or penalized with fines, and the liability could exceed our resources. We do not have any insurance for liabilities arising from medical or hazardous materials. Compliance with applicable environmental laws and regulations is expensive, and current or future environmental regulations may impair our research, development and production efforts, which could harm our business, prospects, financial condition or results of operations.

### **Risks related to managing growth and employee matters**

***We are highly dependent on our key personnel and anticipate hiring new key personnel. If we are not successful in attracting and retaining highly qualified personnel, we may not be able to successfully implement our business strategy.***

Our ability to compete in the highly competitive biotechnology and pharmaceutical industries depends upon our ability to attract and retain highly qualified managerial, scientific and medical personnel. We are highly dependent on our management, scientific and medical personnel, including our Chief Executive Officer and President, our newly-hired Chief Financial Officer and Chief Scientific Officer, our Executive Vice President of Discovery and Translational Sciences and our Senior Vice President, Clinical Development. Our Senior Vice President, Clinical Development, Karsten Witt, M.D., is not our employee and provides services under a consulting agreement. We plan to transition from our current service model with Ridgeline to a more limited consulting arrangement. While we expect to engage in an orderly transition process as we integrate newly appointed officers and managers, we face a variety of risks and uncertainties relating to management transition, including diversion of management attention from business concerns, failure to retain other key personnel or loss of institutional knowledge. In addition, the loss of the services of any of our executive officers, other key employees and other scientific and medical advisors, and an inability to find suitable replacements could result in delays in product development and harm our business.

We conduct our operations at our facilities in Cambridge, MA, New York, NY, Stony Brook, NY, Toronto, Canada, and at the Ridgeline facilities in Switzerland. The Massachusetts region is headquarters to many other biopharmaceutical companies and many academic and research institutions. Competition for skilled personnel in our market is intense and may limit our ability to hire and retain highly qualified personnel on acceptable terms or at all. Changes to U.S. immigration and work authorization laws and regulations, including those that

restrain the flow of scientific and professional talent, can be significantly affected by political forces and levels of economic activity. Our business may be materially adversely affected if legislative or administrative changes to immigration or visa laws and regulations impair our hiring processes and goals or projects involving personnel who are not U.S. citizens.

To encourage valuable employees to remain at our company, in addition to salary and cash incentives, we have provided stock options that vest over time. The value to employees of stock options that vest over time may be significantly affected by movements in our stock price that are beyond our control, and may at any time be insufficient to counteract more lucrative offers from other companies. Despite our efforts to retain valuable employees, members of our management, scientific and development teams may terminate their employment with us on short notice. Although we have employment agreements with our key employees, these employment agreements provide for at-will employment, which means that any of our employees could leave our employment at any time, with or without notice. Our success also depends on our ability to continue to attract, retain and motivate highly skilled junior, mid-level and senior managers as well as junior, mid-level and senior scientific and medical personnel.

***We will need to grow the size of our organization, and we may experience difficulties in managing this growth.***

As of January 3, 2020, we had 30 full-time employees. We also contract for the services of six full-time equivalent employees through our agreement with Ridgeline. We intend to hire new employees to assume activities and responsibilities from Ridgeline personnel and conduct our research and development activities in the future. Any delay in hiring such new employees or disruption in the transition of activities and responsibilities from Ridgeline personnel could result in delays in our research and development activities and would harm our business. As our development and commercialization plans and strategies develop, and as we transition into operating as a public company, we expect to need additional managerial, operational, sales, marketing, financial and other personnel, as well as additional facilities to expand our operations. Future growth would impose significant added responsibilities on members of management, including:

- identifying, recruiting, integrating, maintaining and motivating additional employees;
- managing our internal development efforts effectively, including the clinical and FDA review process for our product candidates, while complying with our contractual obligations to contractors and other third parties; and
- improving our operational, financial and management controls, reporting systems and procedures.

Our future financial performance and our ability to commercialize our product candidates will depend, in part, on our ability to effectively manage any future growth, and our management may also have to divert a disproportionate amount of its attention away from day-to-day activities in order to devote a substantial amount of time to managing these growth activities.

We currently rely, and for the foreseeable future will continue to rely, in substantial part on certain independent organizations, advisors and consultants to provide certain services, including substantially all aspects of regulatory approval, clinical trial management and manufacturing. There can be no assurance that the services of independent organizations, advisors and consultants will continue to be available to us on a timely basis when needed, or that we can find qualified replacements. In addition, if we are unable to effectively manage our outsourced activities or if the quality or accuracy of the services provided by consultants is compromised for any reason, our clinical trials may be extended, delayed or terminated, and we may not be able to obtain regulatory approval of our product candidates or otherwise advance our business. There can be no assurance that we will be able to manage our existing consultants or find other competent outside contractors and consultants on economically reasonable terms, or at all.

If we are not able to effectively expand our organization by hiring new employees and expanding our groups of consultants and contractors, or we are not able to effectively build out new facilities to accommodate this expansion, we may not be able to successfully implement the tasks necessary to further develop and commercialize our product candidates and, accordingly, may not achieve our research, development and commercialization goals.

***Our internal computer systems, or those used by our third-party CROs or other contractors or consultants, may fail or suffer security breaches, which could result in a material disruption of the development programs of our product candidates.***

Despite the implementation of security measures, our internal computer systems and those of our current and future CROs and other contractors and consultants are vulnerable to damage from computer viruses, unauthorized access, natural disasters, and telecommunication and electrical failures. While we have not experienced any such material system failure or security breach to date, if such an event were to occur and cause interruptions in our operations, it could result in a material disruption of our development programs and our business operations. For example, the loss of data from completed or future preclinical studies and clinical trials could result in delays in our regulatory approval efforts and significantly increase our costs to recover or reproduce the data. Likewise, we rely on third parties for the manufacture of our product candidates and to conduct clinical trials, and similar events relating to their computer systems could also have a material adverse effect on our business. To the extent that any disruption or security breach were to result in a loss of, or damage to, our data or applications, or inappropriate disclosure of confidential or proprietary information, we could incur liability and the further development and commercialization of our product candidates could be delayed.

***Business disruptions could seriously harm our future revenue and financial condition and increase our costs and expenses.***

Our operations, and those of our CROs, CMOs and other contractors and consultants, could be subject to earthquakes, power shortages, telecommunications failures, water shortages, floods, hurricanes, typhoons, fires, extreme weather conditions, medical epidemics and other natural or man-made disasters or business interruptions, for which we are predominantly self-insured. The occurrence of any of these business disruptions could seriously harm our operations and financial condition and increase our costs and expenses. We rely on third-party manufacturers to produce our product candidates. Our ability to obtain clinical supplies of our product candidates could be disrupted if the operations of these suppliers are affected by a man-made or natural disaster or other business interruption.

***Even if we obtain regulatory approval of our product candidates, the products may not gain market acceptance among physicians, patients, hospitals, cancer treatment centers and others in the medical community.***

The use of precision medicines as a potential cancer treatment is a recent development and may not become broadly accepted by physicians, patients, hospitals, cancer treatment centers and others in the medical community. Various factors will influence whether our product candidates are accepted in the market, including:

- the clinical indications for which our product candidates are licensed;
- physicians, hospitals, cancer treatment centers and patients considering our product candidates as a safe and effective treatment;
- the potential and perceived advantages of our product candidates over alternative treatments;
- our ability to demonstrate the advantages of our product candidates over other cancer medicines;
- the prevalence and severity of any side effects;

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- the prevalence and severity of any side effects for other precision medicines and public perception of other precision medicines;
- product labeling or product insert requirements of the FDA or other regulatory authorities;
- limitations or warnings contained in the labeling approved by the FDA;
- the timing of market introduction of our product candidates as well as competitive products;
- the cost of treatment in relation to alternative treatments;
- the availability of adequate coverage, reimbursement and pricing by third-party payors and government authorities;
- the willingness of patients to pay out-of-pocket in the absence of coverage by third-party payors and government authorities;
- relative convenience and ease of administration, including as compared to alternative treatments and competitive therapies; and
- the effectiveness of our sales and marketing efforts.

If our product candidates are licensed but fail to achieve market acceptance among physicians, patients, hospitals, cancer treatment centers or others in the medical community, we will not be able to generate significant revenue.

In addition, although our product candidates differ in certain ways from other precision medicine approaches, serious adverse events or deaths in other clinical trials involving precision medicines, even if not ultimately attributable to our product or product candidates, could result in increased government regulation, unfavorable public perception and publicity, potential regulatory delays in the testing or licensing of our product candidates, stricter labeling requirements for those product candidates that are licensed, and a decrease in demand for any such product candidates.

Even if our products achieve market acceptance, we may not be able to maintain that market acceptance over time if new products or technologies are introduced that are more favorably received than our products, are more cost effective or render our products obsolete.

***If product liability lawsuits are brought against us, we may incur substantial liabilities and may be required to limit commercialization of our product candidates.***

We face an inherent risk of product liability as a result of the planned clinical testing of our product candidates and will face an even greater risk if we commercialize any products. For example, we may be sued if our product candidates cause or are perceived to cause injury or are found to be otherwise unsuitable during clinical testing, manufacturing, marketing or sale. Any such product liability claims may include allegations of defects in manufacturing, defects in design, a failure to warn of dangers inherent in the product, negligence, strict liability or a breach of warranties. Claims could also be asserted under state consumer protection acts. If we cannot successfully defend ourselves against product liability claims, we may incur substantial liabilities or be required to limit commercialization of our product candidates. Even successful defense would require significant financial and management resources. Regardless of the merits or eventual outcome, liability claims may result in:

- decreased demand for our product candidates or products that we may develop;
- injury to our reputation;

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- withdrawal of clinical trial participants;
- initiation of investigations by regulators;
- costs to defend the related litigation;
- a diversion of management's time and our resources;
- substantial monetary awards to trial participants or patients;
- product recalls, withdrawals or labeling, marketing or promotional restrictions;
- loss of revenue;
- exhaustion of any available insurance and our capital resources;
- the inability to commercialize any product candidate; and
- a decline in our share price.

Failure to obtain or retain sufficient product liability insurance at an acceptable cost to protect against potential product liability claims could prevent or inhibit the commercialization of products we develop, alone or with corporate collaborators. Although we have clinical trial insurance, our insurance policies also have various exclusions, and we may be subject to a product liability claim for which we have no coverage. We may have to pay any amounts awarded by a court or negotiated in a settlement that exceed our coverage limitations or that are not covered by our insurance, and we may not have, or be able to obtain, sufficient capital to pay such amounts. Even if our agreements with any future corporate collaborators entitle us to indemnification against losses, such indemnification may not be available or adequate should any claim arise.

### ***Comprehensive tax reform legislation could adversely affect our business and financial condition.***

On December 22, 2017, President Trump signed into law the TCJA, which significantly reformed the Internal Revenue Code of 1986, as amended. The TCJA, among other things, contains significant changes to corporate and individual taxation, some of which could adversely impact an investment in our common stock. You are urged to consult your tax adviser regarding the implications of the TCJA on an investment in our common stock.

### ***Our ability to utilize our net operating loss carryforwards and certain other tax attributes may be limited.***

Under Sections 382 and 383 of the Internal Revenue Code of 1986, as amended, if a corporation undergoes an "ownership change" (generally defined as a greater than 50% change (by value) in its equity ownership by 5% stockholders over a three-year period), the corporation's ability to use its pre-change net operating loss carryforwards and other pre-change tax attributes to offset its post-change taxable income may be limited. As a result of our most recent private placements and other transactions that have occurred over the past three years, we may have experienced, and, upon closing of this offering, may experience, an "ownership change." We may also experience ownership changes in the future as a result of subsequent shifts in our stock ownership. As of December 31, 2018, we had U.S. federal net operating loss carryforwards of \$2.6 million and U.S. federal research and development tax credit carryforwards of \$0.5 million, each of which will begin to expire at various dates through 2037 and which could be limited if we experience an "ownership change." The reduction of the corporate tax rate under the TCJA may cause a reduction in the economic benefit of our net operating loss carryforwards and other deferred tax assets available to us. Under the TCJA, federal net operating losses generated after December 31, 2017 will not be subject to expiration but will not be permitted to be carried back. In addition, under the TCJA, the amount of post 2017 net operating losses that we are permitted to deduct in any taxable year is limited to 80% of our taxable income in such year, where taxable

income is determined without regard to the net operating loss deduction itself. As of December 31, 2018, we had a U.S. federal net operating loss carryforward of \$8.5 million, which does not expire but is limited to an annual deduction equal to 80% of annual taxable income.

***Unstable market and economic conditions may have serious adverse consequences on our business, financial condition and stock price.***

As widely reported, global credit and financial markets have experienced extreme volatility and disruptions in the past several years, including severely diminished liquidity and credit availability, declines in consumer confidence, declines in economic growth, increases in unemployment rates and uncertainty about economic stability. There can be no assurance that further deterioration in credit and financial markets and confidence in economic conditions will not occur. Our general business strategy may be adversely affected by any such economic downturn, volatile business environment or continued unpredictable and unstable market conditions. If the current equity and credit markets deteriorate, or do not improve, it may make any necessary debt or equity financing more difficult, more costly, and more dilutive.

Failure to secure any necessary financing in a timely manner and on favorable terms could have a material adverse effect on our growth strategy, financial performance and stock price and could require us to delay or abandon clinical development plans. In addition, there is a risk that one or more of our current service providers, manufacturers and other partners may not survive these difficult economic times, which could directly affect our ability to attain our operating goals on schedule and on budget.

Furthermore, our stock price may decline due in part to the volatility of the stock market and the general economic downturn.

***We may be unable to adequately protect our information systems from cyberattacks, which could result in the disclosure of confidential or proprietary information, including personal data, damage our reputation, and subject us to significant financial and legal exposure.***

We rely on information technology systems that we or our third-party providers operate to process, transmit and store electronic information in our day-to-day operations. In connection with our MAP platform and product discovery efforts, we may collect and use a variety of personal data, such as name, mailing address, email addresses, phone number and clinical trial information. A successful cyberattack could result in the theft or destruction of intellectual property, data, or other misappropriation of assets, or otherwise compromise our confidential or proprietary information and disrupt our operations. Cyberattacks are increasing in their frequency, sophistication and intensity, and have become increasingly difficult to detect. Cyberattacks could include wrongful conduct by hostile foreign governments, industrial espionage, wire fraud and other forms of cyber fraud, the deployment of harmful malware, denial-of-service, social engineering fraud or other means to threaten data security, confidentiality, integrity and availability. A successful cyberattack could cause serious negative consequences for us, including, without limitation, the disruption of operations, the misappropriation of confidential business information, including financial information, trade secrets, financial loss and the disclosure of corporate strategic plans. Although we devote resources to protect our information systems, we realize that cyberattacks are a threat, and there can be no assurance that our efforts will prevent information security breaches that would result in business, legal, financial or reputational harm to us, or would have a material adverse effect on our results of operations and financial condition. Any failure to prevent or mitigate security breaches or improper access to, use of, or disclosure of our clinical data or patients' personal data could result in significant liability under state (e.g., state breach notification laws), federal (e.g., HIPAA, as amended by HITECH), and international law (e.g., the GDPR) and may cause a material adverse impact to our reputation, affect our ability to conduct new studies and potentially disrupt our business.

In addition, the computer systems of various third parties on which we rely, including our CROs and other contractors, consultants and law and accounting firms, may sustain damage from computer viruses, unauthorized access, data breaches, phishing attacks, cybercriminals, natural disasters (including hurricanes and earthquakes), terrorism, war and telecommunication and electrical failures. We rely on our third-party providers to implement effective security measures and identify and correct for any such failures, deficiencies or breaches. If we or our third-party providers fail to maintain or protect our information technology systems and data integrity effectively or fail to anticipate, plan for or manage significant disruptions to our information technology systems, we or our third-party providers could have difficulty preventing, detecting and controlling such cyber-attacks and any such attacks could result in losses described above as well as disputes with physicians, patients and our partners, regulatory sanctions or penalties, increases in operating expenses, expenses or lost revenues or other adverse consequences, any of which could have a material adverse effect on our business, results of operations, financial condition, prospects and cash flows. Any failure by such third parties to prevent or mitigate security breaches or improper access to or disclosure of such information could have similarly adverse consequences for us. If we are unable to prevent or mitigate the impact of such security or data privacy breaches, we could be exposed to litigation and governmental investigations, which could lead to a potential disruption to our business.

## **Risks related to this offering and ownership of our common stock**

***We do not know whether an active, liquid and orderly trading market will develop for our common stock or what the market price of our common stock will be and, as a result, it may be difficult for you to sell your shares of our common stock.***

Prior to this offering, there was no public trading market for shares of our common stock. Although we have applied to list our common stock on The Nasdaq Global Market, an active trading market for our shares may never develop or be sustained following this offering. You may not be able to sell your shares quickly or at the market price if trading in shares of our common stock is not active. The initial public offering price for our common stock will be determined through negotiations with the underwriters, and the negotiated price may not be indicative of the market price of the common stock after the offering. As a result of these and other factors, you may be unable to resell your shares of our common stock at or above the initial public offering price. Further, an inactive market may also impair our ability to raise capital by selling shares of our common stock and may impair our ability to enter into strategic partnerships or acquire companies or products by using our shares of common stock as consideration.

***The price of our stock may be volatile, and you could lose all or part of your investment.***

The trading price of our common stock following this offering is likely to be highly volatile and could be subject to wide fluctuations in response to various factors, some of which are beyond our control, including limited trading volume. In addition to the factors discussed in this "Risk Factors" section and elsewhere in this prospectus, these factors include:

- the results of our ongoing, planned or any future preclinical studies, clinical trials or clinical development programs;
- the commencement, enrollment, or results of clinical trials of our product candidates or any future clinical trials we may conduct, or changes in the development status of our product candidates;
- adverse results or delays in preclinical studies and clinical trials;
- our decision to initiate a clinical trial, not to initiate a clinical trial, or to terminate an existing clinical trial;

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- any delay in our regulatory filings or any adverse regulatory decisions, including failure to receive regulatory approval of our product candidates;
- changes in laws or regulations applicable to our products, including but not limited to clinical trial requirements for approvals;
- adverse developments concerning our manufacturers or our manufacturing plans;
- our inability to obtain adequate product supply for any licensed product or inability to do so at acceptable prices;
- our inability to establish collaborations if needed;
- our failure to commercialize our product candidates;
- additions or departures of key scientific or management personnel;
- unanticipated serious safety concerns related to the use of our product candidates;
- introduction of new products or services offered by us or our competitors;
- announcements of significant acquisitions, strategic partnerships, joint ventures or capital commitments by us or our competitors;
- our ability to effectively manage our growth;
- the size and growth of our initial cancer target markets;
- our ability to successfully treat additional types of cancers or at different stages;
- actual or anticipated variations in quarterly operating results;
- our cash position;
- our failure to meet the estimates and projections of the investment community or that we may otherwise provide to the public;
- publication of research reports about us or our industry, or immunotherapy in particular, or positive or negative recommendations or withdrawal of research coverage by securities analysts;
- changes in the market valuations of similar companies;
- overall performance of the equity markets;
- sales of our common stock by us or our stockholders in the future;
- trading volume of our common stock;
- changes in accounting practices;
- ineffectiveness of our internal controls;
- disputes or other developments relating to intellectual property or proprietary rights, including patents, litigation matters and our ability to obtain patent protection for our technologies;
- significant lawsuits, including intellectual property or stockholder litigation;



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- general political and economic conditions; and
- other events or factors, many of which are beyond our control.

In addition, the stock market in general, and the market for biopharmaceutical companies in particular, have experienced extreme price and volume fluctuations that have often been unrelated or disproportionate to the operating performance of these companies. Broad market and industry factors may negatively affect the market price of our common stock, regardless of our actual operating performance. If the market price of our common stock after this offering does not exceed the initial public offering price, you may not realize any return on your investment in us and may lose some or all of your investment. In the past, securities class action litigation has often been instituted against companies following periods of volatility in the market price of a company's securities. This type of litigation, if instituted, could result in substantial costs and a diversion of management's attention and resources, which would harm our business, financial condition, results of operation and future prospects.

***If you purchase our common stock in this offering, you will incur immediate and substantial dilution in the book value of your shares.***

The initial public offering price will be substantially higher than the net tangible book value per share of our common stock. Investors purchasing common stock in this offering will pay a price per share that substantially exceeds the book value of our tangible assets after subtracting our liabilities. As a result, investors purchasing common stock in this offering will incur immediate dilution of \$ \_\_\_\_\_ per share, based on the assumed initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth on the cover page of this prospectus. Further, investors purchasing common stock in this offering will contribute approximately \_\_\_\_\_ % of the total amount invested by stockholders since our inception, but will own only approximately \_\_\_\_\_ % of the total number of shares of our common stock outstanding after this offering.

This dilution is due to our investors who purchased shares prior to this offering having paid substantially less when they purchased their shares than the price offered to the public in this offering, and the exercise of stock options granted to our employees. To the extent that outstanding stock options or warrants are exercised, there will be further dilution to new investors. As a result of the dilution to investors purchasing common stock in this offering, investors may receive significantly less than the purchase price paid in this offering, if anything, in the event of our liquidation. For a further description of the dilution that you will experience immediately after this offering, see the section of this prospectus entitled "Dilution."

***Future sales and issuances of our common stock or rights to purchase common stock, including pursuant to our 2020 Stock Option and Incentive Plan, could result in additional dilution of the percentage ownership of our stockholders and could cause our stock price to fall.***

We expect that significant additional capital may be needed in the future to continue our planned operations, including conducting clinical trials, expanded research and development activities, and costs associated with operating as a public company. To raise capital, we may sell common stock, convertible securities, or other equity securities in one or more transactions at prices and in a manner we determine from time to time. If we sell common stock, convertible securities, or other equity securities, investors may be materially diluted by subsequent sales. Such sales may also result in material dilution to our existing stockholders, and new investors could gain rights, preferences, and privileges senior to the holders of our common stock, including shares of common stock sold in this offering.

Pursuant to our 2020 Stock Option and Incentive Plan, or 2020 Plan, which will become effective upon the effectiveness of the registration statement of which this prospectus is a part, our management is authorized to grant stock options to our employees, directors, and consultants.

Initially, the aggregate number of shares of our common stock that may be issued pursuant to stock awards under the 2020 Plan will be \_\_\_\_\_ shares, less the shares of common stock remaining available for issuance under our 2017 Plan as of the business day immediately prior to the effective date of the registration statement of which this prospectus forms a part. The number of shares of our common stock reserved for issuance under the 2020 Plan shall be cumulatively increased on January 1, 2021 and each January 1 thereafter by \_\_\_\_\_ % of the total number of shares of our common stock outstanding on December 31 of the preceding calendar year or a lesser number of shares determined by our board of directors. Unless our board of directors elects not to increase the number of shares available for future grant each year, our stockholders may experience additional dilution, which could cause our stock price to fall.

***Raising additional capital may cause dilution to our existing stockholders, restrict our operations or require us to relinquish rights to our technologies or product candidates.***

We may seek additional capital through a combination of public and private equity offerings, debt financings, strategic partnerships and alliances and licensing arrangements. To the extent that we raise additional capital through the sale of equity or convertible debt securities, your ownership interest will be diluted, and the terms may include liquidation or other preferences that adversely affect your rights as a stockholder. The incurrence of indebtedness would result in increased fixed payment obligations and could involve certain restrictive covenants, such as limitations on our ability to incur additional debt, limitations on our ability to acquire or license intellectual property rights and other operating restrictions that could adversely impact our ability to conduct our business. If we raise additional funds through strategic partnerships and alliances and licensing arrangements with third parties, we may have to relinquish valuable rights to our technologies or product candidates, or grant licenses on terms unfavorable to us.

***We have broad discretion in the use of the net proceeds from this offering and may not use them effectively.***

Our management will have broad discretion in the application of the net proceeds from this offering, including for any of the purposes described in the section entitled "Use of Proceeds," and you will not have the opportunity as part of your investment decision to assess whether the net proceeds are being used appropriately. Because of the number and variability of factors that will determine our use of the net proceeds from this offering, their ultimate use may vary substantially from their currently intended use. Our management might not apply our net proceeds in ways that ultimately increase or maintain the value of your investment.

***We do not intend to pay dividends on our common stock, so any returns will be limited to the value of our stock.***

We currently anticipate that we will retain future earnings for the development, operation, and expansion of our business and do not anticipate declaring or paying any cash dividends for the foreseeable future. In addition, we may enter into agreements that prohibit us from paying cash dividends without prior written consent from our contracting parties, or which other terms prohibiting or limiting the amount of dividends that may be declared or paid on our common stock. Any return to stockholders will therefore be limited to the appreciation of their stock, which may never occur.

***Our principal stockholders and management own a significant percentage of our stock and will be able to exert significant influence over matters subject to stockholder approval.***

Prior to this offering, our executive officers, directors, and 5% stockholders beneficially owned approximately \_\_\_\_\_ % of our voting stock as of September 30, 2019, and, after giving effect to the Series C preferred stock financing and assuming the sale by us of \_\_\_\_\_ shares of common stock in this offering, based on an assumed initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth on the cover page of this prospectus, and not accounting for any shares purchased in this offering by certain of our existing

stockholders (or their affiliates), we anticipate that same group will hold approximately % of our outstanding voting stock following this offering (assuming no exercise of the underwriters' option to purchase additional shares), without giving effect to any purchases that certain of these holders may make through our directed share program. Therefore, even after this offering, these stockholders will have the ability to influence us through this ownership position. These stockholders may be able to determine all matters requiring stockholder approval. For example, these stockholders may be able to control elections of directors, amendments of our organizational documents, or approval of any merger, sale of assets, or other major corporate transaction. This may prevent or discourage unsolicited acquisition proposals or offers for our common stock that you may feel are in your best interest as one of our stockholders.

***We are an emerging growth company and a smaller reporting company, and we cannot be certain if the reduced reporting requirements applicable to emerging growth companies and smaller reporting companies will make our common stock less attractive to investors.***

We are an emerging growth company, as defined in the Jumpstart Our Business Startups Act, or JOBS Act, enacted in April 2012. For as long as we continue to be an emerging growth company, we may take advantage of exemptions from various reporting requirements that are applicable to other public companies that are not emerging growth companies, including not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act of 2002, as amended, or Sarbanes-Oxley Act, reduced disclosure obligations regarding executive compensation in this prospectus and our periodic reports and proxy statements, and exemptions from the requirements of holding nonbinding advisory votes on executive compensation and stockholder approval of any golden parachute payments not previously approved. We could be an emerging growth company for up to five years following the year in which we complete this offering, although circumstances could cause us to lose that status earlier. We will remain an emerging growth company until the earlier of (1) the last day of the fiscal year (a) following the fifth anniversary of the closing of this offering, (b) in which we have total annual gross revenue of at least \$1.07 billion or (c) in which we are deemed to be a large accelerated filer, which requires the market value of our common stock that is held by non-affiliates to exceed \$700 million as of the prior June 30th, and (2) the date on which we have issued more than \$1 billion in non-convertible debt during the prior three-year period.

Under the JOBS Act, emerging growth companies can also delay adopting new or revised accounting standards until such time as those standards apply to private companies. We have elected to not "opt out" of this exemption from complying with new or revised accounting standards and, therefore, we will adopt new or revised accounting standards at the time private companies adopt the new or revised accounting standard and will do so until such time that we either (i) irrevocably elect to "opt out" of such extended transition period or (ii) no longer qualify as an emerging growth company.

Even after we no longer qualify as an emerging growth company, we may still qualify as a "smaller reporting company," which would allow us to continue to take advantage of many of the same exemptions from disclosure requirements, including not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act and reduced disclosure obligations regarding executive compensation in this prospectus and our periodic reports and proxy statements. We cannot predict if investors will find our common stock less attractive because we may rely on these exemptions. If some investors find our common stock less attractive as a result, there may be a less active trading market for our common stock and our stock price may be more volatile.

***We will incur significant increased costs as a result of operating as a public company, and our management will be required to devote substantial time to new compliance initiatives.***

As a public company, we will incur significant legal, accounting, and other expenses that we did not incur as a private company. We will be subject to the reporting requirements of the Securities Exchange Act of 1934, as

amended, or the Exchange Act, which will require, among other things, that we file with the Securities and Exchange Commission, or SEC, annual, quarterly, and current reports with respect to our business and financial condition. In addition, the Sarbanes-Oxley Act, as well as rules subsequently adopted by the SEC and The Nasdaq Global Market to implement provisions of the Sarbanes-Oxley Act, impose significant requirements on public companies, including requiring establishment and maintenance of effective disclosure and financial controls and changes in corporate governance practices. Further, in July 2010, the Dodd-Frank Wall Street Reform and Consumer Protection Act, or the Dodd-Frank Act, was enacted. There are significant corporate governance and executive compensation related provisions in the Dodd-Frank Act that require the SEC to adopt additional rules and regulations in these areas, such as “say on pay” and proxy access. Recent legislation permits emerging growth companies to implement many of these requirements over a longer period and up to five years from the pricing of this offering. We intend to take advantage of this new legislation but cannot guarantee that we will not be required to implement these requirements sooner than budgeted or planned and thereby incur unexpected expenses. Stockholder activism, the current political environment, and the current high level of government intervention and regulatory reform may lead to substantial new regulations and disclosure obligations, which may lead to additional compliance costs and impact the manner in which we operate our business in ways we cannot currently anticipate.

We expect the rules and regulations applicable to public companies to substantially increase our legal and financial compliance costs and to make some activities more time-consuming and costly. If these requirements divert the attention of our management and personnel from other business concerns, they could have a material adverse effect on our business, financial condition, and results of operations. The increased costs will decrease our net income or increase our net loss and may require us to reduce costs in other areas of our business or increase the prices of our products or services. For example, we expect these rules and regulations to make it more difficult and more expensive for us to obtain director and officer liability insurance and we may be required to incur substantial costs to maintain the same or similar coverage. We cannot predict or estimate the amount or timing of additional costs we may incur to respond to these requirements. The impact of these requirements could also make it more difficult for us to attract and retain qualified persons to serve on our board of directors, our board committees, or as executive officers.

***Sales of a substantial number of shares of our common stock by our existing stockholders in the public market could cause our stock price to fall.***

If our existing stockholders sell, or indicate an intention to sell, substantial amounts of our common stock in the public market after the lockup and other legal restrictions on resale discussed in this prospectus lapse, the trading price of our common stock could decline. Based on the number of shares of common stock outstanding as of September 30, 2019, upon the closing of this offering, we will have outstanding a total of \_\_\_\_\_ shares of common stock. Of these shares, only the shares of common stock sold in this offering by us, plus any shares sold upon exercise of the underwriters’ option to purchase additional shares, will be freely tradable without restriction in the public market immediately following this offering. In connection with this offering, our officers, directors and substantially all of our stockholders have agreed to be subject to a contractual lock-up with the underwriters, which will expire 180 days after the date of this prospectus. The lock-up agreements contain important exceptions that govern their applicability. J.P. Morgan Securities LLC, Jefferies LLC and Cowen and Company, LLC, however, may, in their sole discretion, permit our officers, directors and other stockholders who are subject to these lock-up agreements to sell shares prior to the expiration of the lock-up agreements.

In addition, shares of common stock that are either subject to outstanding options or reserved for future issuance under our 2020 Plan and our 2020 Employee Stock Purchase Plan, each to be effective upon the effectiveness of the registration statement of which this prospectus forms a part, will become eligible for sale in the public market to the extent permitted by the provisions of various vesting schedules, the lock-up agreements and Rule 144 and Rule 701 under the Securities Act of 1933, as amended, or the Securities Act. If

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these additional shares of common stock are sold, or if it is perceived that they will be sold, in the public market, the trading price of our common stock could decline.

After this offering, the holders of \_\_\_\_\_ shares of our common stock will be entitled to rights with respect to the registration of their shares under the Securities Act, subject to the 180-day lock-up agreements described above. See “Description of Capital Stock—Registration Rights.” Registration of these shares under the Securities Act would result in such shares becoming freely tradable without restriction under the Securities Act, except for shares held by affiliates, as defined in Rule 144 under the Securities Act. Any sales of securities by these stockholders could have a material adverse effect on the trading price of our common stock.

***Anti-takeover provisions under our charter documents and Delaware law could delay or prevent a change of control, which could limit the market price of our common stock and may prevent or frustrate attempts by our stockholders to replace or remove our current management.***

Our amended and restated certificate of incorporation and amended and restated bylaws, which are to become effective upon the closing of this offering, will contain provisions that could delay or prevent a change of control of our company or changes in our board of directors that our stockholders might consider favorable. Some of these provisions include:

- a board of directors divided into three classes serving staggered three-year terms, such that not all members of the board will be elected at one time;
- a prohibition on stockholder action through written consent, which requires that all stockholder actions be taken at a meeting of our stockholders;
- a requirement that special meetings of stockholders be called only by the board of directors acting pursuant to a resolution approved by the affirmative vote of a majority of the directors then in office;
- advance notice requirements for stockholder proposals and nominations for election to our board of directors;
- a requirement that no member of our board of directors may be removed from office by our stockholders except for cause and, in addition to any other vote required by law, upon the approval of not less than two-thirds of all outstanding shares of our voting stock then entitled to vote in the election of directors;
- a requirement of approval of not less than two-thirds of all outstanding shares of our voting stock to amend any bylaws by stockholder action or to amend specific provisions of our certificate of incorporation; and
- the authority of the board of directors to issue preferred stock on terms determined by the board of directors without stockholder approval and which preferred stock may include rights superior to the rights of the holders of common stock.

In addition, because we are incorporated in Delaware, we are governed by the provisions of Section 203 of the Delaware General Corporate Law, which may prohibit certain business combinations with stockholders owning 15% or more of our outstanding voting stock. These antitakeover provisions and other provisions in our amended and restated certificate of incorporation and amended and restated bylaws could make it more difficult for stockholders or potential acquirers to obtain control of our board of directors or initiate actions that are opposed by the then-current board of directors and could also delay or impede a merger, tender offer, or proxy contest involving our company. These provisions could also discourage proxy contests and make it more difficult for you and other stockholders to elect directors of your choosing or cause us to take other corporate actions you desire. Any delay or prevention of a change of control transaction or changes in our board of directors could cause the market price of our common stock to decline.

***Our bylaws to be effective upon the consummation of this offering designate certain courts as the sole and exclusive forum for certain types of actions and proceedings that may be initiated by our stockholders, which could limit our stockholders' ability to obtain a favorable judicial forum for disputes with us or our directors, officers, or employees.***

Our bylaws that will become effective upon the completion of this offering provide that, unless we consent in writing to an alternative forum, the Court of Chancery of the State of Delaware will be the sole and exclusive forum for (i) any derivative action or proceeding brought on our behalf, (ii) any action asserting a claim of breach of fiduciary duty owed by any of our directors, officers, and employees to us or our stockholders, (iii) any action asserting a claim arising pursuant to any provision of the Delaware General Corporation Law, our amended and restated certificate of incorporation or our amended and restated bylaws or (iv) any action asserting a claim that is governed by the internal affairs doctrine, in each case subject to the Court of Chancery having personal jurisdiction over the indispensable parties named as defendants therein. This exclusive forum provision will not apply to any causes of action arising under the Exchange Act. In addition, our amended and restated bylaws will provide that any person or entity purchasing or otherwise acquiring any interest in shares of our common stock is deemed to have notice of and consented to the foregoing provisions. We recognize that the forum selection clause in our bylaws may impose additional litigation costs on stockholders in pursuing any such claims, particularly if the stockholders do not reside in or near the State of Delaware. Additionally, the forum selection clauses in our amended and restated bylaws may limit our stockholders' ability to bring a claim in a forum that they find favorable for disputes with us or our directors, officers or employees, which may discourage such lawsuits against us and our directors, officers and employees even though an action, if successful, might benefit our stockholders. The Court of Chancery of the State of Delaware may also reach different judgments or results than would other courts, including courts where a stockholder considering an action may be located or would otherwise choose to bring the action, and such judgments may be more or less favorable to us than our stockholders.

***We have identified material weaknesses in our internal control over financial reporting. If we are unable to remediate these material weaknesses, or if we identify additional material weaknesses in the future or otherwise fail to maintain an effective system of internal controls, we may not be able to accurately or timely report our financial condition or results of operations, which may adversely affect our business.***

In preparation of our financial statements to meet the requirements of this offering, we determined that material weaknesses in our internal control over financial reporting existed during fiscal 2017 and remained unremediated as of December 31, 2018. A material weakness is a deficiency or combination of deficiencies in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of a company's annual and interim financial statements will not be detected or prevented on a timely basis.

The material weaknesses we identified are related to the design and maintenance of an effective control environment commensurate with our financial reporting requirements. Specifically, we lacked a sufficient complement of professionals with an appropriate level of accounting knowledge, training and experience to appropriately analyze, record and disclose accounting matters timely and accurately and we did not design and maintain controls to ensure adequate segregation of duties within our financial reporting function including the preparation and review of journal entries.

The material weaknesses contributed to the restatement of our previously issued 2017 annual financial statements. Specifically, the material weaknesses resulted in errors in our accounting for and reporting of derivative liabilities, loss on extinguishment of convertible promissory notes and expense classification.

Prior to the completion of this offering, we have been a private company with limited accounting personnel to adequately execute our accounting processes. We are in the process of building a finance organization and implementing measures designed to improve our internal control over financial reporting and remediate the

control deficiencies that led to these material weaknesses, including hiring additional finance and accounting personnel and the establishment of controls to account for and disclose complex transactions.

If we are unable to successfully remediate our existing or any future material weaknesses in our internal control over financial reporting, or identify any additional material weaknesses, the accuracy and timing of our financial reporting may be adversely affected, we may be unable to maintain compliance with securities law requirements regarding timely filing of periodic reports and applicable Nasdaq Global Market listing requirements, investors may lose confidence in our financial reporting, and our share price may decline as a result. In addition, we could become subject to investigations by Nasdaq, the SEC or other regulatory authorities, which could require additional financial and management resources.

***If we fail to establish and maintain proper and effective internal control over financial reporting, our operating results and our ability to operate our business could be harmed.***

Ensuring that we have adequate internal financial and accounting controls and procedures in place so that we can produce accurate financial statements on a timely basis is a costly and time-consuming effort that needs to be re-evaluated frequently. Our internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements in accordance with generally accepted accounting principles. In connection with this offering, we intend to begin the process of documenting, reviewing, and improving our internal controls and procedures for compliance with Section 404 of the Sarbanes-Oxley Act, which will require annual management assessment of the effectiveness of our internal control over financial reporting. We have begun recruiting additional finance and accounting personnel with certain skill sets that we will need as a public company.

Implementing any appropriate changes to our internal controls may distract our officers and employees, entail substantial costs to modify our existing processes, and take significant time to complete. These changes may not, however, be effective in maintaining the adequacy of our internal controls, and any failure to maintain that adequacy, or consequent inability to produce accurate financial statements on a timely basis, could increase our operating costs and harm our business. In addition, investors' perceptions that our internal controls are inadequate or that we are unable to produce accurate financial statements on a timely basis may harm our stock price and make it more difficult for us to effectively market and sell our service to new and existing customers.

***If securities or industry analysts do not publish research or publish inaccurate or unfavorable research about our business, our stock price and trading volume could decline.***

The trading market for our common stock will depend in part on the research and reports that securities or industry analysts publish about us or our business. Securities and industry analysts do not currently, and may never, publish research on our company. If no securities or industry analysts commence coverage of our company, the trading price for our stock would likely be negatively impacted. In the event securities or industry analysts initiate coverage, if one or more of the analysts who cover us downgrades our stock or publishes inaccurate or unfavorable research about our business, our stock price may decline. If one or more of these analysts ceases coverage of our company or fails to publish reports on us regularly, demand for our stock could decrease, which might cause our stock price and trading volume to decline.

***After the completion of this offering, we may be at an increased risk of securities class action litigation.***

Historically, securities class action litigation has often been brought against a company following a decline in the market price of its securities. This risk is especially relevant for us because biotechnology and pharmaceutical companies have experienced significant stock price volatility in recent years. If we were to be sued, it could result in substantial costs and a diversion of management's attention and resources, which could harm our business.



## Special note regarding forward-looking statements

This prospectus, including the sections entitled “Prospectus Summary,” “Risk Factors,” “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” and “Business,” contains express or implied forward-looking statements that are based on our management’s belief and assumptions and on information currently available to our management. Although we believe that the expectations reflected in these forward-looking statements are reasonable, these statements relate to future events or our future operational or financial performance, and involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by these forward-looking statements. Forward-looking statements in this prospectus include, but are not limited to, statements about:

- the initiation, timing, progress and results of our research and development programs, preclinical studies, any clinical trials and IND and other regulatory submissions;
- our ability to obtain and maintain regulatory approval for BDTX-189 or any of our other current or future product candidates that we may identify or develop;
- our need to raise additional funding before we can expect to generate any revenues from product sales;
- our ability to identify and develop product candidates for treatment of additional disease indications;
- the rate and degree of market acceptance and clinical utility for any product candidates we may develop;
- the effects of competition with respect to BDTX-189 or any of our other current or future product candidates, as well as innovations by current and future competitors in our industry;
- the implementation of our strategic plans for our business, any product candidates we may develop and our MAP platform;
- our ability to successfully develop companion diagnostics for use with our product candidates;
- our intellectual property position, including the scope of protection we are able to establish, maintain and enforce for intellectual property rights covering our product candidates and MAP platform;
- our ability to use the proceeds of this offering in ways that increase the value of your investment;
- our financial performance and our ability to effectively manage our anticipated growth;
- our estimates regarding the market opportunities for our product candidates;
- our ability to remediate our existing material weaknesses and to design and maintain an effective system of internal controls; and
- other risks and uncertainties, including those listed under the section titled “Risk Factors.”

In some cases, you can identify forward-looking statements by terminology such as “may,” “should,” “expects,” “intends,” “plans,” “anticipates,” “believes,” “estimates,” “predicts,” “potential,” “continue” or the negative of these terms or other comparable terminology. These statements are only predictions. You should not place undue reliance on forward-looking statements because they involve known and unknown risks, uncertainties, and other factors, which are, in some cases, beyond our control and which could materially affect results. Factors that may cause actual results to differ materially from current expectations include, among other things, those listed under the section titled “Risk Factors” and elsewhere in this prospectus. If one or more of these risks or uncertainties occur, or if our underlying assumptions prove to be incorrect, actual events or results may vary significantly from those implied or projected by the forward-looking statements. No forward-

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looking statement is a guarantee of future performance. You should read this prospectus and the documents that we reference in this prospectus and have filed with the Securities and Exchange Commission as exhibits to the registration statement, of which this prospectus forms a part, completely and with the understanding that our actual future results may be materially different from any future results expressed or implied by these forward-looking statements.

The forward-looking statements in this prospectus represent our views as of the date of this prospectus. We anticipate that subsequent events and developments will cause our views to change. However, while we may elect to update these forward-looking statements at some point in the future, we have no current intention of doing so except to the extent required by applicable law. You should therefore not rely on these forward-looking statements as representing our views as of any date subsequent to the date of this prospectus.

This prospectus also contains estimates, projections and other information concerning our industry, our business and the markets for our product candidates. Information that is based on estimates, forecasts, projections, market research or similar methodologies is inherently subject to uncertainties and actual events or circumstances may differ materially from events and circumstances that are assumed in this information. Unless otherwise expressly stated, we obtained this industry, business, market, and other data from our own internal estimates and research as well as from reports, research surveys, studies, and similar data prepared by market research firms and other third parties, industry, medical and general publications, government data and similar sources. While we are not aware of any misstatements regarding any third-party information presented in this prospectus, their estimates, in particular, as they relate to projections, involve numerous assumptions, are subject to risks and uncertainties and are subject to change based on various factors, including those discussed under the section titled "Risk Factors" and elsewhere in this prospectus.

## Use of proceeds

We estimate that the net proceeds to us from the sale of \_\_\_\_\_ shares of our common stock in this offering will be \$ \_\_\_\_\_ million, or \$ \_\_\_\_\_ if the underwriters exercise in full their option to purchase additional shares, assuming an initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth on the cover page of this prospectus, and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us.

A \$1.00 increase (decrease) in the assumed initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth on the cover page of this prospectus, would increase (decrease) the net proceeds to us from this offering by \$ \_\_\_\_\_ million, assuming that the number of shares offered by us, as set forth on the cover page of this prospectus, remains the same and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us. An increase (decrease) of 1,000,000 shares in the number of shares offered by us, as set forth on the cover page of this prospectus, would increase (decrease) the net proceeds to us from this offering by \$ \_\_\_\_\_ million, assuming no change in the assumed initial public offering price of \$ \_\_\_\_\_ per share, the midpoint of the price range set forth on the cover page of this prospectus, and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us. We do not expect that a change in the offering price or the number of shares by these amounts would have a material effect on our intended uses of the net proceeds from this offering, although it may impact the amount of time prior to which we may need to seek additional capital.

As of September 30, 2019, we had a cash and cash equivalents balance of \$78.7 million. We currently intend to use the net proceeds from this offering as follows:

- approximately \$ \_\_\_\_\_ million to fund the Phase 1/2 development of BDTX-189;
- approximately \$ \_\_\_\_\_ million to identify a lead development candidate and conduct IND-enabling studies in our glioblastoma program;
- approximately \$ \_\_\_\_\_ million for the continued development of our discovery programs; and
- the remaining proceeds for continued development of our MAP platform, hiring of additional personnel, capital expenditures, costs of operating as a public company and other general corporate purposes.

Based on our current plans, we believe our existing cash, together with the net proceeds from this offering, will be sufficient to fund our operations and capital expenditure requirements through \_\_\_\_\_.

This expected use of the net proceeds from this offering represents our intentions based upon our current plans and business conditions, which could change in the future as our plans and business conditions evolve. As of the date of this prospectus, we cannot predict with certainty all of the particular uses for the net proceeds to be received upon the closing of this offering or the amounts that we will actually spend on the uses set forth above. The amounts and timing of our actual expenditures and the extent of clinical development may vary significantly depending on numerous factors, including the progress of our development, the status of and results from preclinical studies or clinical trials we may commence in the future, as well as any collaborations that we may enter into with third parties for our product candidates or strategic opportunities that become available to us, and any unforeseen cash needs. As a result, our management will retain broad discretion over the allocation of the net proceeds from this offering.

Pending our use of proceeds from this offering, we intend to invest the net proceeds in a variety of capital preservation instruments, including short-term, investment-grade, interest-bearing instruments and U.S. government securities.

## **Dividend policy**

We have never declared or paid any cash dividends on our capital stock. We currently intend to retain any future earnings to fund the development and expansion of our business, and therefore we do not anticipate paying cash dividends on our common stock in the foreseeable future. Any future determination to pay dividends will be at the discretion of our board of directors and will depend on our results of operations, financial condition, capital requirements, contractual restrictions and other factors deemed relevant by our board of directors.

## Capitalization

The following table sets forth our cash and capitalization as of September 30, 2019:

- on an actual basis;
- on a pro forma basis to give effect to (i) the issuance and sale of 19,420,124 shares of Series C preferred stock in November 2019, (ii) the automatic conversion of all outstanding shares of our preferred stock into an aggregate of 64,839,353 shares of common stock upon the closing of this offering, (iii) the settlement of our derivative liabilities upon the closing of this offering and (iv) the filing and effectiveness of our amended and restated certificate of incorporation, which will occur upon the closing of this offering; and
- on a pro forma as-adjusted basis to give further effect to the sale and issuance by us of \_\_\_\_\_ shares of our common stock in this offering at an assumed initial public offering price of \$ \_\_\_\_\_ per share, the midpoint of the price range set forth on the cover page of this prospectus, after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us.

You should read this table below with our consolidated financial statements and the related notes appearing elsewhere in this prospectus and the “Selected Consolidated Financial Data” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations” sections of this prospectus.

	<b>As of September 30, 2019</b>		
	<b>Actual</b>	<b>Pro forma</b>	<b>Pro forma as adjusted</b>
	<b>(In thousands, except share and per share data)</b>		
Cash and cash equivalents	\$ 78,659	\$ 163,659	\$ _____
Derivative liabilities <sup>(1)</sup>	39	—	—
Convertible preferred stock (Series A and B), \$0.0001 par value; 45,451,685 shares authorized and 45,419,229 shares issued and outstanding, actual; no shares authorized, issued or outstanding, pro forma; no shares authorized, issued or outstanding, pro forma as adjusted	115,840	—	—
Stockholders’ equity (deficit):			
Preferred stock, \$0.0001 par value; 45,451,685 shares authorized, _____ issued and outstanding, actual; _____ shares authorized and no shares issued and outstanding, pro forma and pro forma as adjusted	—	—	—
Common stock, \$0.0001 par value; 58,803,522 shares authorized, 6,695,460 shares issued and outstanding, actual; 58,803,522 shares authorized, 71,534,813 shares issued and outstanding, pro forma; _____ shares authorized, _____ shares issued and outstanding, pro forma as adjusted	1	7	
Additional paid-in capital	1,302	202,175	
Accumulated deficit	(41,095)	(41,095)	
Total stockholders’ equity (deficit)	(39,792)	161,087	
Total capitalization	\$ 76,087	\$ 161,087	\$ _____

<sup>(1)</sup> The derivative liabilities will be settled upon the closing of this offering due to all outstanding warrants to purchase shares of convertible preferred stock becoming warrants to purchase shares of common stock.

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A \$1.00 increase (decrease) in the assumed initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth on the cover page of this prospectus, would increase (decrease) the pro forma as adjusted amount of each of cash, additional paid-in capital, total stockholders' equity (deficit) and total capitalization by \$ \_\_\_\_\_ million, assuming that the number of shares offered by us, as set forth on the cover page of this prospectus, remains the same and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us. An increase (decrease) of 1,000,000 shares in the number of shares offered by us, as set forth on the cover page of this prospectus, would increase (decrease) the pro forma as adjusted amount of each of cash, additional paid-in capital, total stockholders' equity (deficit) and total capitalization by \$ \_\_\_\_\_ million, assuming no change in the assumed initial public offering price of \$ \_\_\_\_\_ per share, the midpoint of the price range set forth on the cover page of this prospectus, and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us.

The table above excludes each of the following:

- 4,850,721 shares of common stock issuable upon exercise of options outstanding under our 2017 Plan at a weighted-average exercise price of \$2.22 per share as of September 30, 2019;
- 32,442 shares of common stock issuable upon the exercise of warrants to purchase common stock at the exercise price of \$1.00 per share as of September 30, 2019;
- 1,460,392 shares of common stock reserved for issuance under our 2017 Plan as of September 30, 2019, which such shares will cease to be available for issuance at the time our 2020 Stock Option and Incentive Plan becomes effective;
- \_\_\_\_\_ shares of common stock to be reserved for future issuance under our 2020 Stock Option and Incentive Plan to be effective upon the effectiveness of the registration statement of which this prospectus forms a part;
- \_\_\_\_\_ shares of common stock to be reserved for future issuance under our 2020 Employee Stock Purchase Plan to be effective upon the effectiveness of the registration statement of which this prospectus forms a part; and
- assumes no purchase of our common stock by executive officers, directors and stockholders through the directed share program.

## Dilution

If you invest in our common stock in this offering, your ownership interest will be diluted immediately to the extent of the difference between the initial public offering price per share of our common stock and the pro forma as adjusted net tangible book value per share of our common stock after this offering. As of September 30, 2019, our historical net tangible book value (deficit) was \$(41.4) million, or \$(6.18) per share of common stock. Our historical net tangible book value (deficit) is the amount of our total tangible assets less our total liabilities and the carrying value of our convertible preferred stock, which is not included in stockholders' deficit. Historical net tangible book value (deficit) per share represents historical net tangible book value (deficit) divided by 6,695,460 shares of common stock outstanding as of September 30, 2019.

Our pro forma net tangible book value as of September 30, 2019 was \$159.5 million, or \$2.23 per share of common stock, after giving effect to (i) the issuance and sale of 19,420,124 shares of Series C preferred stock in November 2019, (ii) the automatic conversion of all outstanding shares of our convertible preferred stock into an aggregate of 64,839,353 shares of our common stock upon the closing of this offering and (iii) the settlement of our derivative liabilities upon the closing of this offering due to all outstanding warrants to purchase shares of convertible preferred stock becoming warrants to purchase shares of common stock. Pro forma net tangible book value per share represents pro forma net tangible book value divided by the total number of shares of common stock outstanding as of September 30, 2019, after giving effect to the pro forma adjustment described above.

After giving further effect to our issuance and sale of \_\_\_\_\_ shares of our common stock in this offering at an assumed initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth on the cover page of this prospectus, and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us, our pro forma as adjusted net tangible book value as of September 30, 2019 would have been \$ \_\_\_\_\_ million, or \$ \_\_\_\_\_ per share of common stock. This represents an immediate increase in pro forma as adjusted net tangible book value of \$ \_\_\_\_\_ per share to existing stockholders and an immediate dilution of \$ \_\_\_\_\_ in pro forma as adjusted net tangible book value per share to new investors purchasing common stock in this offering. Dilution per share to new investors is determined by subtracting pro forma as adjusted net tangible book value per share after this offering from the assumed initial public offering price per share paid by new investors. The following table illustrates this dilution on a per share basis:

Assumed initial public offering price per share	\$
Historical net tangible book value (deficit) per share as of September 30, 2019	\$(6.18)
Increase per share attributable to the pro forma adjustments described above	8.41
Pro forma net tangible book value per share as of September 30, 2019, before giving effect to this offering	2.23
Increase in pro forma as adjusted net tangible book value per share attributable to new investors purchasing common stock in this offering	_____
Pro forma as adjusted net tangible book value per share after giving effect to this offering	_____
Dilution in pro forma as adjusted net tangible book value per share to new investors purchasing common stock in this offering	\$

The dilution information discussed above is illustrative only and will change based on the actual initial public offering price and other terms of this offering determined at pricing. A \$1.00 increase (decrease) in the assumed initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth



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on the cover page of this prospectus, would increase (decrease) the pro forma as adjusted net tangible book value by \$ \_\_\_\_\_ per share and the dilution to investors purchasing common stock in this offering by \$ \_\_\_\_\_ per share, assuming the number of shares offered by us, as set forth on the cover page of this prospectus, remains the same, and after deducting estimated underwriting discounts and commissions and estimated expenses payable by us. An increase of 1,000,000 shares in the number of shares offered by us in this offering would increase the pro forma as adjusted net tangible book value by \$ \_\_\_\_\_ per share and would decrease the dilution per share to new investors purchasing common stock in this offering by \$ \_\_\_\_\_ per share, assuming no change in the assumed initial public offering price of \$ \_\_\_\_\_ per share and after deducting estimated underwriting discounts and commissions and estimated expenses payable by us. A decrease of 1,000,000 shares in the number of shares offered by us, as set forth on the cover page of this prospectus, would decrease our pro forma as adjusted net tangible book value per share after this offering by \$ \_\_\_\_\_ and increase the dilution per share to new investors purchasing common stock in this offering by \$ \_\_\_\_\_, assuming no change in the assumed initial public offering price of \$ \_\_\_\_\_ per share and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us.

If the underwriters exercise their option to purchase additional shares in full, our pro forma as adjusted net tangible book value per share after this offering would be \$ \_\_\_\_\_, representing an immediate increase in pro forma as adjusted net tangible book value per share of \$ \_\_\_\_\_ to existing stockholders and immediate dilution in pro forma as adjusted net tangible book value per share of \$ \_\_\_\_\_ to new investors purchasing common stock in this offering, assuming an initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth on the cover page of this prospectus, and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us.

The following table summarizes, on a pro forma as adjusted basis as of September 30, 2019, the total number of shares of common stock purchased from us on an as converted basis, the total consideration paid or to be paid and the average price per share paid, or to be paid by existing stockholders and by new investors in this offering, based on the assumed initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth on the cover of this prospectus before deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us:

	Shares purchased		Total consideration		Average price per share
	Number	Percent	Amount	Percent	
Existing stockholders		%	\$	%	\$
New investors					
<b>Total</b>		100.0%	\$	100.0%	

A \$1.00 increase (decrease) in the assumed initial public offering price of \$ \_\_\_\_\_ per share, which is the midpoint of the price range set forth on the cover page of this prospectus, would increase (decrease) the total consideration paid by new investors by \$ \_\_\_\_\_ million, would increase (decrease) the total consideration paid by new investors by \$ \_\_\_\_\_ million and, in the case of an increase, would increase the percentage of total consideration paid by new investors by \_\_\_\_\_ percentage points and, in the case of a decrease, would decrease the percentage of total consideration paid by new investors by \_\_\_\_\_ percentage points, assuming the number of shares offered by us, as set forth on the cover page of this prospectus, remains the same and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us. An increase (decrease) of 1,000,000 shares in the number of shares offered by us in this offering would increase (decrease) the total consideration paid by new investors in this offering by \$ \_\_\_\_\_ million, and, in the case of an increase, would increase the percentage of total consideration paid by new investors by \_\_\_\_\_ percentage points and, in the case of a decrease, would decrease the percentage of total consideration paid by new investors by \_\_\_\_\_ percentage points, assuming no change in the assumed initial public offering price of \$ \_\_\_\_\_ per share, the

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midpoint of the price range set forth on the cover page of this prospectus, remains the same, and after deducting estimated underwriting discounts and commissions and estimated offering expenses payable by us.

The table above assumes no exercise of the underwriters' option to purchase additional shares in this offering. If the underwriters exercise their option to purchase additional shares of our common stock in full, the number of shares of our common stock held by existing stockholders would be reduced to % of the total number of shares of our common stock outstanding after this offering.

The foregoing tables and calculations exclude:

- 4,850,721 shares of common stock issuable upon exercise of options outstanding under our 2017 Plan at a weighted-average exercise price of \$2.22 per share as of September 30, 2019;
- 32,442 shares of common stock issuable upon the exercise of warrants to purchase common stock at an exercise price of \$1.00 per share as of September 30, 2019;
- 1,460,392 shares of common stock reserved for issuance under our 2017 Plan as of September 30, 2019, which such shares will cease to be available for issuance at the time our 2020 Stock Option and Incentive Plan becomes effective;
- shares of common stock to be reserved for future issuance under our 2020 Stock Option and Incentive Plan to be effective upon the effectiveness of the registration statement of which this prospectus forms a part; and
- shares of common stock to be reserved for future issuance under our 2020 Employee Stock Purchase Plan to be effective upon the effectiveness of the registration statement of which this prospectus forms a part.

To the extent that outstanding stock options or warrants are exercised, new stock options are issued, or we issue additional shares of common stock in the future, there will be further dilution to existing stockholders and new investors. In addition, we may choose to raise additional capital because of market conditions or strategic considerations even if we believe that we have sufficient funds for our current or future operating plans. If we raise additional capital through the sale of equity or convertible debt securities, the issuance of these securities could result in further dilution to our stockholders.

## Selected consolidated financial data

You should read the following selected consolidated financial data together with our consolidated financial statements and the related notes appearing elsewhere in this prospectus and the “Management’s Discussion and Analysis of Financial Condition and Results of Operations” section of this prospectus. We have derived the consolidated statement of operations data for the years ended December 31, 2017 and 2018 and the consolidated balance sheet data as of December 31, 2017 and 2018 from our audited consolidated financial statements appearing elsewhere in this prospectus. The consolidated statements of operations data for the nine months ended September 30, 2018 and 2019 and the balance sheet data as of September 30, 2019 are derived from our unaudited financial statements included elsewhere in this prospectus and have been prepared on the same basis as the audited financial statements. In the opinion of management, the unaudited data reflects all adjustments, consisting only of normal recurring adjustments, necessary for a fair statement of the financial information in those statements. Our historical results are not necessarily indicative of the results that may be expected in the future, and our results for any interim period are not necessarily indicative of results that may be expected for any full year.

	Year ended December 31,		Nine months ended September 30,	
	2017	2018	2018	2019
(in thousands, except share and per share data)				
<b>Consolidated statement of operations data:</b>				
Operating expenses:				
Research and development (inclusive of \$1,348, \$2,403, \$1,595 and \$8,497, respectively, with a related party)	\$ 3,453	\$ 6,950	\$ 4,571	\$ 14,293
General and administrative (inclusive of \$42, \$325, \$238 and \$357, respectively, with a related party)	666	1,954	1,287	4,695
Total operating expenses	4,119	8,904	5,858	18,988
Loss from operations	(4,119)	(8,904)	(5,858)	(18,988)
Other income (expense):				
Interest expense	(65)	—	—	—
Interest income	—	4	2	21
Loss on extinguishment of convertible promissory notes	(282)	—	—	—
Change in fair value of derivative liabilities	(130)	(15)	—	(6,416)
Other income (expense)	(6)	(16)	(9)	—
Total other income (expense), net	(483)	(27)	(7)	(6,395)
Net loss	(4,602)	(8,931)	(5,865)	(25,383)
Net loss attributable to common stockholders	\$ (4,602)	\$ (8,931)	\$ (5,865)	\$ (25,383)
Net loss per share attributable to common stockholders—basic and diluted <sup>(1)</sup>	\$ (0.79)	\$ (1.47)	\$ (0.97)	\$ (4.10)
Weighted average common shares outstanding—basic and diluted <sup>(1)</sup>	5,802,740	6,089,819	6,069,399	6,194,913
Pro forma net loss attributable to common stockholders outstanding—basic and diluted (unaudited) <sup>(2)</sup>		\$ (0.41)		\$ (0.37)
Pro forma weighted average common shares outstanding—basic and diluted (unaudited) <sup>(2)</sup>		21,701,364		51,614,142

(1) See Note 11 to our consolidated financial statements appearing elsewhere in this prospectus for details on the calculation of basic and diluted net loss per share attributable to common stockholders.

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- (2) See Note 11 to our consolidated financial statements appearing elsewhere in this prospectus for details on the calculation of basic and diluted pro forma net loss per share attributable to common stockholders.

	<b>As of</b>		<b>As of</b>
	<b>December 31,</b>		<b>September 30,</b>
	<b>2017</b>	<b>2018</b>	<b>2019</b>
			<b>(in thousands)</b>
<b>Consolidated balance sheet data:</b>			
Cash and cash equivalents	\$ 7,878	\$ 51,660	\$ 78,659
Working capital <sup>(1)</sup>	5,684	49,109	74,306
Total assets	8,021	51,826	80,734
Derivative liabilities	8	4,023	39
Convertible preferred stock	12,458	60,770	115,840
Accumulated deficit	(6,781)	(15,712)	(41,095)
Total stockholders' equity (deficit)	(6,675)	(15,542)	(39,732)

- (1) We define working capital as current assets less current liabilities.

# Management's discussion and analysis of financial condition and results of operations

*You should read the following discussion and analysis of our financial condition and results of operations together with the "Selected Consolidated Financial Data" section of this prospectus and our consolidated financial statements and related notes appearing elsewhere in this prospectus. Some of the information contained in this discussion and analysis or set forth elsewhere in this prospectus, including information with respect to our plans and strategy for our business and related financing, includes forward-looking statements that involve risks and uncertainties. As a result of many factors, including those factors set forth in the "Risk Factors" section of this prospectus, our actual results could differ materially from the results described in or implied by the forward-looking statements contained in the following discussion and analysis.*

## Overview

We are a precision oncology medicine company pioneering the discovery and development of small molecule, tumor-agnostic therapies. We target undrugged oncogenic driver mutations in patients with genetically-defined cancers. The foundation of our company is built upon a deep understanding of cancer genetics, protein structure and function, and medicinal chemistry. Our proprietary technology platform, which we refer to as our Mutation-Allostery-Pharmacology, or MAP, platform, is designed to allow us to analyze population-level genetic sequencing data to discover oncogenic mutations that promote cancer across tumor types. Our goal is to identify families of mutations that can be inhibited with a single small molecule therapy in a tumor-agnostic manner. We have designed our lead product candidate, BDTX-189, to potently and selectively inhibit a family of oncogenic proteins defined by mutations which occur outside the adenosine triphosphate, or ATP site, and which we refer to as non-canonical mutations. Non-canonical mutations occur across a range of tumor types that affect both the epidermal growth factor receptor, or EGFR, and the tyrosine-protein kinase ErbB-2, or HER2. We have designed BDTX-189 to bind to the active site of these mutant kinases and inhibit their function. BDTX-189 is also designed to spare normal, or wild type, EGFR, which we believe will improve upon the toxicity profiles of current ErbB kinase inhibitors. We submitted our IND for BDTX-189 in November 2019, which was allowed by the U.S. Food and Drug Administration, or FDA, on December 13, 2019, and plan to start a combined Phase 1/2 clinical trial in the first half of 2020 to pursue a tumor-agnostic development strategy. We are also leveraging our MAP platform to identify other families of non-canonical mutations in validated oncogenes beyond ErbB, which has the potential to expand the reach of targeted therapies.

Since our inception in 2014, we have devoted substantially all of our efforts and financial resources to organizing and staffing our company, business planning, raising capital, acquiring, discovering product candidates and securing related intellectual property rights and conducting research and development activities for our programs. We do not have any products approved for sale and have not generated any revenue from product sales. We may never be able to develop or commercialize a marketable product. We have not yet successfully completed any pivotal clinical trials, obtained any regulatory approvals, manufactured a commercial-scale drug, or conducted sales and marketing activities. Through September 30, 2019, we had received net proceeds of \$115.8 million from sales of our preferred stock and net cash proceeds of \$1.8 million from borrowings under convertible promissory notes.

We have incurred significant operating losses since inception. Our net losses were \$4.6 million and \$8.9 million for the years ended December 31, 2017 and 2018, respectively, and \$5.9 million and \$25.4 million for the nine months ended September 30, 2018 and 2019, respectively. As of September 30, 2019, we had an accumulated deficit of \$41.1 million. Our ability to generate product revenue sufficient to achieve profitability will depend heavily on the successful development and eventual commercialization of one or more of our current or future product

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candidates. We expect that our expenses and capital requirements will increase substantially in connection with our ongoing activities, particularly if and as we:

- continue preclinical studies and initiate clinical trials for BDTX-189, our glioblastoma program and other product candidates;
- advance the development of our product candidate pipeline;
- continue to develop and expand our proprietary MAP platform to identify additional product candidates;
- obtain, maintain, expand and protect our intellectual property portfolio;
- seek marketing approvals for our product candidates that successfully complete clinical trials, if any;
- hire additional clinical, scientific and commercial personnel;
- acquire or in-license additional product candidates;
- expand our infrastructure and facilities to accommodate our growing employee base; and
- add operational, financial and management information systems and personnel, including personnel to support our research and development programs, any future commercialization efforts and our transition to operating as a public company following the completion of this offering.

Furthermore, upon the closing of this offering, we expect to incur additional costs associated with operating as a public company, including significant legal, accounting, investor relations and other expenses that we did not incur as a private company.

As a result, we will need substantial additional funding to support our continuing operations and pursue our growth strategy. Until such time as we can generate significant revenue from product sales, if ever, we expect to finance our operations through the sale of equity, debt financings or other capital sources, which may include collaborations with other companies or other strategic transactions. We may be unable to raise additional funds or enter into such other agreements or arrangements when needed on favorable terms, or at all. If we fail to raise capital or enter into such agreements as and when needed, we may have to significantly delay, scale back or discontinue the development and commercialization of one or more of our product candidates or delay our pursuit of potential in-licenses or acquisitions.

Because of the numerous risks and uncertainties associated with product development, we are unable to predict the timing or amount of increased expenses or when or if we will be able to achieve or maintain profitability. Even if we are able to generate product sales, we may not become profitable. If we fail to become profitable or are unable to sustain profitability on a continuing basis, then we may be unable to continue our operations at planned levels and be forced to reduce or terminate our operations.

As of September 30, 2019, we had cash and cash equivalents of \$78.7 million. We believe that the anticipated net proceeds from this offering, together with our existing cash and cash equivalents, plus the proceeds from the issuance of Series C preferred stock in November 2019, will enable us to fund our operating expenses and capital expenditure requirements through . We have based this estimate on assumptions that may prove to be wrong, and we could exhaust our available capital resources sooner than we expect. See “—Liquidity and capital resources.” Our future viability beyond that point is dependent on our ability to raise additional capital to finance our operations.

Without giving effect to the net proceeds from this offering, we expect that our cash and cash equivalents balance at September 30, 2019, together with the \$85.0 million in proceeds raised from our issuance of Series C preferred stock in November 2019, will enable us to fund our operating expenses and capital requirements into the fourth quarter of 2021. To finance our operations beyond that point, we will need to raise additional capital, which cannot be assured. If we are unable to raise additional capital in sufficient amounts or on terms acceptable to us, we may have to significantly delay, scale back or discontinue the development or commercialization of our product candidates or other research and development initiatives.

## Components of our results of operations

### Revenue

To date, we have not generated any revenue from any sources, including from product sales, and we do not expect to generate any revenue from the sale of products in the foreseeable future. If our development efforts for our product candidates are successful and result in regulatory approval, or license agreements with third parties, we may generate revenue in the future from product sales. However, there can be no assurance as to when we will generate such revenue, if at all.

### Operating expenses

#### *Research and development expenses (inclusive of amounts with a related party)*

Research and development expenses consist primarily of costs incurred for our research activities, including our drug discovery efforts and the development of our product candidates. We expense research and development costs as incurred, which include:

- expenses incurred under our services agreement with Ridgeline Therapeutics GmbH, or Ridgeline;
- expenses incurred to conduct the necessary preclinical studies and clinical trials required to obtain regulatory approval;
- expenses incurred under agreements with contract research organizations, or CROs, that are primarily engaged in the oversight and conduct of our drug discovery efforts and preclinical studies, clinical trials and contract manufacturing organizations, or CMOs, that are primarily engaged to provide preclinical and clinical drug substance and product for our research and development programs;
- other costs related to acquiring and manufacturing materials in connection with our drug discovery efforts and preclinical studies and clinical trial materials, including manufacturing validation batches, as well as investigative sites and consultants that conduct our clinical trials, preclinical studies and other scientific development services;
- payments made in cash or equity securities under third-party licensing, acquisition and option agreements;
- employee-related expenses, including salaries and benefits, travel and stock-based compensation expense for employees engaged in research and development functions;
- costs related to compliance with regulatory requirements; and
- allocated facilities-related costs, depreciation and other expenses, which include rent and utilities.

We recognize external development costs based on an evaluation of the progress to completion of specific tasks using information provided to us by our service providers. This process involves reviewing open contracts and purchase orders, communicating with our personnel to identify services that have been performed on our behalf and estimating the level of service performed and the associated cost incurred for the service when we have not yet been invoiced or otherwise notified of actual costs. Any nonrefundable advance payments that we make for goods or services to be received in the future for use in research and development activities are recorded as prepaid expenses. Such amounts are expensed as the related goods are delivered or the related services are performed, or until it is no longer expected that the goods will be delivered or the services rendered.

We do not track our research and development expenses on a program-by-program basis. Our direct external research and development expenses consist primarily of external costs, such as fees paid to outside consultants,



CROs, CMOs and research laboratories in connection with our preclinical development, process development, manufacturing and clinical development activities. Our direct research and development expenses also include fees incurred under license, acquisition and option agreements. We do not allocate employee costs, costs associated with our discovery efforts, laboratory supplies, and facilities, including depreciation or other indirect costs, to specific programs because these costs are deployed across multiple programs and, as such, are not separately classified. We use internal resources primarily to conduct our research and discovery as well as for managing our preclinical development, process development, manufacturing and clinical development activities. These employees work across multiple programs and, therefore, we do not track their costs by program.

Research and development activities are central to our business model. Product candidates in later stages of clinical development generally have higher development costs than those in earlier stages of clinical development, primarily due to the increased size and duration of later-stage clinical trials. As a result, we expect that our research and development expenses will increase substantially over the next several years as we commence our planned clinical trials for BDTX-189, as well as conduct other preclinical and clinical development, including submitting regulatory filings for our other product candidates. Historically, many of our research and development activities have been conducted pursuant to our services agreement with Ridgeline, a related party, and we expect to transition many of these activities internally as we increase our internal capacity. While we expect the service fee we have historically paid under our Ridgeline Services Agreement to reduce significantly as a result of that transition, we expect that we will incur increased personnel and overhead costs associated with moving those functions in-house, which we expect will offset that reduction in Ridgeline services fees. In addition, we expect our discovery research efforts and our related personnel costs will increase and, as a result, we expect our research and development expenses, including costs associated with stock-based compensation, will increase above historical levels. In addition, we may incur additional expenses related to milestone and royalty payments payable to third parties with whom we may enter into license, acquisition and option agreements to acquire the rights to future product candidates.

At this time, we cannot reasonably estimate or know the nature, timing and costs of the efforts that will be necessary to complete the preclinical and clinical development of any of our product candidates or when, if ever, material net cash inflows may commence from any of our product candidates. The successful development and commercialization of our product candidates is highly uncertain. This uncertainty is due to the numerous risks and uncertainties associated with product development and commercialization, including the uncertainty of the following:

- the scope, progress, outcome and costs of our preclinical development activities, clinical trials and other research and development activities;
- establishing an appropriate safety and efficacy profile with Investigational New Drug, or IND, enabling studies;
- successful patient enrollment in and the initiation and completion of clinical trials;
- the timing, receipt and terms of any marketing approvals from applicable regulatory authorities including the FDA and non-U.S. regulators;
- the extent of any required post-marketing approval commitments to applicable regulatory authorities;
- establishing clinical and commercial manufacturing capabilities or making arrangements with third-party manufacturers in order to ensure that we or our third-party manufacturers are able to make product successfully;
- development and timely delivery of clinical-grade and commercial-grade drug formulations that can be used in our clinical trials and for commercial launch;

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- obtaining, maintaining, defending and enforcing patent claims and other intellectual property rights;
- significant and changing government regulation;
- launching commercial sales of our product candidates, if and when approved, whether alone or in collaboration with others; and
- maintaining a continued acceptable safety profile of our product candidates following approval, if any, of our product candidates.

Any changes in the outcome of any of these variables with respect to the development of our product candidates in preclinical and clinical development could mean a significant change in the costs and timing associated with the development of these product candidates. For example, if the FDA or another regulatory authority were to delay our planned start of clinical trials or require us to conduct clinical trials or other testing beyond those that we currently expect or if we experience significant delays in enrollment in any of our planned clinical trials, we could be required to expend significant additional financial resources and time on the completion of clinical development of that product candidate.

### *General and administrative expenses (inclusive of amounts with a related party)*

General and administrative expenses consist primarily of salaries and benefits, travel and stock-based compensation expense for personnel in executive, business development, finance, human resources, legal, information technology, pre-commercial and support personnel functions. General and administrative expenses also include direct and allocated facility-related costs as well as insurance costs and professional fees for legal, patent, consulting, investor and public relations, accounting and audit services.

We anticipate that our general and administrative expenses will increase in the future as we increase our headcount to support our continued research activities and development of our product candidates and prepare for potential commercialization activities. We also anticipate that we will incur significantly increased accounting, audit, legal, regulatory, compliance and director and officer insurance costs as well as investor and public relations expenses associated with operating as a public company. Additionally, if and when we believe a regulatory approval of a product candidate appears likely, we anticipate an increase in payroll and other employee-related expenses as a result of our preparation for commercial operations, especially as it relates to the sales and marketing of that product candidate.

### **Other income (expense)**

#### *Interest expense*

Interest expense consists of interest accrued on our convertible promissory notes which were converted into shares of Series A preferred stock during March 2017. As a result, in periods subsequent to this conversion, we no longer incurred interest expense.

#### *Interest income*

Interest income consists of income earned on our cash balance. Our interest income has not been significant due to low balances and low interest earned on those balances.

#### *Loss on the extinguishment of convertible promissory notes*

In March 2017, in connection with the conversion of our convertible promissory notes into Series A preferred stock, we recorded a loss on extinguishment of convertible promissory notes of \$0.3 million.

*Change in fair value of derivative liabilities*

We issued convertible promissory notes that contained a conversion feature, which met the definition of a derivative instrument. We classified this derivative instrument as a liability on our consolidated balance sheet. We remeasured this derivative liability to fair value at each reporting date and recognized changes in the fair value of the derivative liability in our consolidated statement of operations.

In March 2017, in connection with the issuance of our Series A preferred stock, the outstanding convertible promissory notes were automatically converted into shares of our Series A preferred stock. Subsequent to this conversion, no convertible promissory notes remained outstanding and therefore we no longer have a derivative liability related to the convertible promissory notes.

Additionally, our issuance of Series A and Series B preferred stock provided investors the right to participate in subsequent offerings of Series A and Series B preferred stock, respectively, in the event specified developmental and regulatory milestones were achieved (see Note 7 to our consolidated financial statements). We classified the tranche rights as derivative liabilities on our consolidated balance sheets. We remeasured the derivative liabilities associated with tranche rights to fair value at each reporting date, and recognized changes in the fair value of the derivative liabilities in the consolidated statements of operations.

*Other income (expense)*

Other income (expense) consists primarily of realized and unrealized foreign currency transaction gains and losses.

**Income taxes**

Since our inception, we have not recorded any U.S. federal or state income tax benefits for the net losses we have incurred in each year or for our earned research and development tax credits, as we believe, based upon the weight of available evidence, that it is more likely than not that all of our net operating loss carryforwards and tax credits will not be realized. As of December 31, 2018, we had U.S. federal and state net operating loss carryforwards of \$2.6 million and \$11.1 million, respectively, which expire at various dates through 2037 and 2038, respectively. As of December 31, 2018, we had federal and state research and development tax credit carryforwards of approximately \$0.5 million available to reduce future tax liabilities, which expire at various dates through 2038. As of December 31, 2018, we had a U.S. federal net operating loss carryforward of \$8.5 million, which does not expire but is limited in usage to an annual deduction equal to 80% of annual taxable income. We have recorded a full valuation allowance against our net deferred tax assets at each balance sheet date.

On December 22, 2017, the Tax Cuts and Jobs Act, or TCJA, was signed into United States law. The TCJA includes a number of changes to existing tax law, including, among other things, a permanent reduction in the federal corporate income tax rate from 35% to 21%, effective as of January 1, 2018, as well as limitation of the deduction for net operating losses to 80% of annual taxable income and elimination of net operating loss carrybacks, in each case, for losses arising in taxable years beginning after December 31, 2017 (though any such net operating losses may be carried forward indefinitely). The tax rate change resulted in (i) a reduction in the gross amount of our deferred tax assets as of December 31, 2017, without an impact on the net amount of our deferred tax assets, which are recorded with a full valuation allowance, and (ii) no income tax expense or benefit being recognized as of the enactment date of the TCJA.

The staff of the Securities and Exchange Commission issued Staff Accounting Bulletin No. 118 to address the application of U.S. GAAP in situations when a registrant does not have the necessary information available,

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prepared or analyzed (including computations) in reasonable detail to complete the accounting for certain income tax effects of the TCJA. In connection with the initial analysis of the impact of the TCJA, the Company remeasured its deferred tax assets and liabilities based on the rates at which they are expected to reverse in the future, which is generally 21% for federal tax purposes. The remeasurement of the Company's deferred tax assets and liabilities was offset by a change in the valuation allowance.

**Comparison of the nine months ended September 30, 2018 and 2019**

The following table summarizes our results of operations for the nine months ended September 30, 2018 and 2019:

	Nine months ended September 30,		Change (in thousands)
	2018	2019	
Operating expenses:			
Research and development (inclusive of \$1,595 and \$8,497 respectively, with a related party)	\$ 4,571	\$ 14,293	\$ 9,722
General and administrative (inclusive of \$238 and \$357, respectively, with a related party)	1,287	4,695	3,408
Total operating expenses	5,858	18,988	13,130
Loss from operations	(5,858)	(18,988)	(13,130)
Interest income	2	21	19
Change in fair value of derivative liabilities	—	(6,416)	(6,416)
Other income (expense)	(9)	—	9
Total other income (expense), net	(7)	(6,395)	(6,388)
Net loss	\$(5,865)	\$(25,383)	\$(19,518)

**Research and development expenses (inclusive of amounts with a related party)**

Research and development expenses were \$4.6 million for the nine months ended September 30, 2018, compared to \$14.3 million for the nine months ended September 30, 2019. The increase of \$9.7 million was primarily due to an increase in external fees related to the continued development of our MAP platform and our product candidates, including BDTX-189. We do not currently track expenses on a program-by-program basis.

**General and administrative expenses (inclusive of amounts with a related party)**

General and administrative expenses were \$1.3 million for the nine months ended September 30, 2018, compared to \$4.7 million for the nine months ended September 30, 2019. The increase of \$3.4 million was primarily a result of higher personnel-related costs due to additional headcount and higher legal and other professional fees.

**Interest income**

Interest income was less than \$0.1 million for the nine months ended September 30, 2018, compared to less than \$0.1 million for the nine months ended September 30, 2019.

[Table of Contents](#)*Change in fair value of derivative liabilities*

The change in the fair value of derivative liabilities was \$6.4 million for the nine months ended September 30, 2019, compared to \$0 for the nine months ended September 30, 2018. The increase was due to the remeasurement of derivative liabilities related to the tranche right on our Series B preferred stock primarily due to an increase in the probability of a liquidity event during the nine months ended September 30, 2019. We did not have any derivative liabilities during the nine months ended September 30, 2018.

*Other income (expense)*

Other income (expense) was less than \$0.1 million for the nine months ended September 30, 2018, compared to less than \$0.1 million for the nine months ended September 30, 2019.

**Comparison of the years ended December 31, 2017 and 2018**

The following table summarizes our results of operations for the years ended December 31, 2017 and 2018:

	Year ended December 31,		Change
	2017	2018	
			(in thousands)
Operating expenses:			
Research and development (inclusive of \$1,348 and \$2,403, respectively, with a related party)	\$ 3,453	\$ 6,950	\$ 3,497
General and administrative (inclusive of \$42 and \$325, respectively, with a related party)	666	1,954	1,288
Total operating expenses	4,119	8,904	4,785
Loss from operations	(4,119)	(8,904)	(4,785)
Interest expense	(65)	—	65
Interest income	—	4	4
Loss on the extinguishment of convertible promissory notes	(282)	—	282
Change in fair value of derivative liabilities	(130)	(15)	115
Other income (expense)	(6)	(16)	(10)
Total other income (expense), net	(483)	(27)	456
Net loss	<u>\$ (4,602)</u>	<u>\$ (8,931)</u>	<u>\$ (4,329)</u>

*Research and development expenses (inclusive of amounts with a related party)*

Research and development expenses were \$3.5 million for the year ended December 31, 2017, compared to \$7.0 million for the year ended December 31, 2018. The increase of \$3.5 million was primarily due to an increase in external fees related to the continued development of our MAP platform and our product candidates, including BDTX-189.

*General and administrative expenses (inclusive of amounts with a related party)*

General and administrative expenses were \$0.7 million for the year ended December 31, 2017, compared to \$2.0 million for the year ended December 31, 2018. The increase of \$1.3 million was primarily a result of higher personnel-related costs due to additional headcount and higher legal and other professional fees incurred in connection with financing activities.

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### *Interest expense*

Interest expense was \$0.1 million for the year ended December 31, 2017, compared to \$0 for the year ended December 31, 2018. The decrease of \$0.1 million was due to the conversion of our convertible promissory notes into shares of our Series A preferred stock during March 2017 and, therefore, no interest expense being incurred during 2018.

### *Loss on the extinguishment of convertible promissory notes*

Loss on extinguishment of convertible promissory notes was \$0.3 million for the year ended December 31, 2017, compared to \$0 for the year ended December 31, 2018. The decrease of \$0.3 million was due to the conversion of our convertible promissory notes into shares of our Series A preferred stock during March 2017, which resulted in a loss on extinguishment of debt.

### *Change in fair value of derivative liabilities*

The change in the fair value of derivative liabilities was \$0.1 million for the year ended December 31, 2017, compared to less than \$0.1 million for the year ended December 31, 2018. The decrease was primarily due to the derivative liabilities related to the conversion option, our convertible promissory notes, and tranche rights on our Series A preferred stock being settled during 2017.

### *Other income (expense)*

Other income (expense) was less than \$0.1 million for the year ended December 31, 2017, compared to less than \$0.1 million for the year ended December 31, 2018.

## **Liquidity and capital resources**

Since our inception, we have not generated any revenue from any product sales or any other sources, and have incurred significant operating losses and negative cash flows from our operations. We have not yet commercialized any of our product candidates and we do not expect to generate revenue from sales of any product candidates for several years, if at all. We have funded our operations to date primarily with proceeds from the sale of preferred stock and borrowings under convertible promissory notes. Through September 30, 2019, we had received net cash proceeds of \$115.8 million from sales of our preferred stock and net cash proceeds of \$1.8 million from borrowings under convertible promissory notes.

As of September 30, 2019 we had cash and cash equivalents of \$78.7 million.

### **Cash flows**

The following table summarizes our cash flows for each of the years presented:

	<b>Year ended December 31,</b>		<b>Nine months ended September 30,</b>	
	<b>2017</b>	<b>2018</b>	<b>2018</b>	<b>2019</b>
	<b>(in thousands)</b>		<b>(in thousands)</b>	
Net cash used in operating activities	\$ (2,351)	\$ (8,454)	\$ (6,070)	\$ (17,163)
Net cash used in investing activities	(77)	(76)	(71)	(44)
Net cash provided by financing activities	9,974	52,312	4,987	44,261
Net increase (decrease) in cash, cash equivalents and restricted cash	\$ 7,546	\$ 43,782	\$ (1,154)	\$ 27,054

*Operating activities*

During the nine months ended September 30, 2018, we used cash in operating activities of \$6.1 million, primarily resulting from our net loss of \$5.9 million, partially offset by a decrease in amounts due to related parties due to payments to Ridgeline.

During the nine months ended September 30, 2019, we used cash in operating activities of \$17.2 million, primarily resulting from our net loss of \$25.4 million, partially offset by the non-cash charge related to the change in fair value of derivative liabilities of \$6.4 million, an increase in prepaid expenses and other current assets primarily due to payments for research services and a decrease in amounts due to related parties due to payments to Ridgeline.

During the year ended December 31, 2017, we used cash in operating activities of \$2.4 million, primarily resulting from our net loss of \$4.6 million, partially offset by the non-cash interest expense related to our convertible promissory notes and an increase in amounts due to related parties due to amounts owed to Ridgeline.

During the year ended December 31, 2018, we used cash in operating activities of \$8.5 million, primarily resulting from our net loss of \$8.9 million, partially offset by an increase in accrued expenses.

Changes in accounts payable and accrued expenses in all periods were generally due to growth in our business, the advancement of our product candidates, and the timing of vendor invoicing and payments.

*Investing activities*

During the nine months ended September 30, 2018, we used cash in investing activities of \$0.1 million, consisting solely of purchases of equipment.

During the nine months ended September 30, 2019, we used cash in investing activities of less than \$0.1 million, consisting primarily of increases in security deposits related to our lease agreements.

During the year ended December 31, 2017, we used cash in investing activities of \$0.1 million, consisting solely of purchases of equipment.

During the year ended December 31, 2018, we used cash in investing activities of \$0.1 million, consisting solely of purchases of equipment.

*Financing activities*

During the nine months ended September 30, 2018, we had cash provided by financing activities of \$5.0 million from the issuance of convertible preferred stock.

During the nine months ended September 30, 2019, we had cash provided by financing activities of \$44.3 million from the issuance of convertible preferred stock.

During the year ended December 31, 2017, we had cash provided by financing activities of \$10.0 million, consisting primarily of proceeds from the issuance of our preferred stock.

During the year ended December 31, 2018, we had cash provided by financing activities of \$52.3 million, consisting primarily of proceeds from the issuance of our preferred stock.

*Funding requirements*

We expect our expenses to increase substantially in connection with our ongoing activities, particularly as we advance the preclinical activities and clinical trials of our product candidates. In addition, upon the closing of

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this offering, we expect to incur additional costs associated with operating as a public company, including significant legal, accounting, investor relations and other expenses that we did not incur as a private company. The timing and amount of our operating expenditures will depend largely on our ability to:

- advance preclinical development of our early-stage programs, including BDTX-189;
- manufacture, or have manufactured on our behalf, our preclinical and clinical drug material and develop processes for late stage and commercial manufacturing;
- seek regulatory approvals for any product candidates that successfully complete clinical trials;
- establish a sales, marketing, medical affairs and distribution infrastructure to commercialize any product candidates for which we may obtain marketing approval and intend to commercialize on our own;
- hire additional clinical, quality control and scientific personnel;
- expand our operational, financial and management systems and increase personnel, including personnel to support our clinical development, manufacturing and commercialization efforts and our operations as a public company; and
- obtain, maintain, expand and protect our intellectual property portfolio.

As of September 30, 2019, we had cash and cash equivalents of \$78.7 million. We believe that the anticipated net proceeds from this offering, together with our existing cash and cash equivalents, will enable us to fund our operating expenses and capital expenditure requirements through . We have based this estimate on assumptions that may prove to be wrong, and we could utilize our available capital resources sooner than we expect. We anticipate that we will require additional capital as we seek regulatory approval of our product candidates and if we choose to pursue in-licenses or acquisitions of other product candidates. If we receive regulatory approval for BDTX-189 or our other product candidates, we expect to incur significant commercialization expenses related to product manufacturing, sales, marketing and distribution, depending on where we choose to commercialize.

Because of the numerous risks and uncertainties associated with research, development and commercialization of biologic product candidates, we are unable to estimate the exact amount of our working capital requirements. Our future funding requirements will depend on and could increase significantly as a result of many factors, including:

- the scope, progress, results and costs of researching and developing our product candidates, and conducting preclinical and clinical trials;
- the costs, timing and outcome of regulatory review of our product candidates;
- the costs, timing and ability to manufacture our product candidates to supply our clinical and preclinical development efforts and our clinical trials;
- the costs of future activities, including product sales, medical affairs, marketing, manufacturing and distribution, for any of our product candidates for which we receive marketing approval;
- the costs of manufacturing commercial-grade product and necessary inventory to support commercial launch;
- the ability to receive additional non-dilutive funding, including grants from organizations and foundations;
- the revenue, if any, received from commercial sale of our products, should any of our product candidates receive marketing approval;



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- the costs of preparing, filing and prosecuting patent applications, obtaining, maintaining, expanding and enforcing our intellectual property rights and defending intellectual property-related claims;
- our ability to establish and maintain collaborations on favorable terms, if at all; and
- the extent to which we acquire or in-license other product candidates and technologies.

Until such time, if ever, as we can generate substantial product revenue, we expect to finance our operations through a combination of public or private equity offerings, debt financings, governmental funding, collaborations, strategic partnerships and alliances or marketing, distribution or licensing arrangements with third parties. To the extent that we raise additional capital through the sale of equity or convertible debt securities, your ownership interest may be materially diluted, and the terms of such securities could include liquidation or other preferences that adversely affect your rights as a common stockholder. Debt financing and preferred equity financing, if available, may involve agreements that include restrictive covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, making capital expenditures or declaring dividends. In addition, debt financing would result in fixed payment obligations.

If we raise additional funds through governmental funding, collaborations, strategic partnerships and alliances or marketing, distribution or licensing arrangements with third parties, we may have to relinquish valuable rights to our technologies, future revenue streams, research programs or product candidates or grant licenses on terms that may not be favorable to us. If we are unable to raise additional funds through equity or debt financings or other arrangements when needed, we may be required to delay, limit, reduce or terminate our research, product development or future commercialization efforts or grant rights to develop and market product candidates that we would otherwise prefer to develop and market ourselves.

### **Contractual obligations and commitments**

As of December 31, 2018, our future minimum lease payments under non-cancelable operating lease commitments, which are all due during the year ending December 31, 2019, totaled \$0.1 million. The following table summarizes our contractual obligations as of September 30, 2019 and the effects that such obligations are expected to have on our liquidity and cash flows in future periods:

	Payments due by period				
	Less than 1 year	1 to 3 years	4 to 5 years	More than 5 years	Total
Operating lease commitments	\$ 235	\$ 343	\$ —	\$ —	\$ 578
Total	\$ 235	\$ 343	\$ —	\$ —	\$ 578

We enter into contracts in the normal course of business with CMOs, CROs and other third parties for the manufacture of our product candidates and to support clinical trials and preclinical research studies and testing. These contracts are generally cancelable by us. Payments due upon cancellation consist only of payments for services provided or expenses incurred, including noncancelable obligations of our service providers, up to the date of cancellation. These payments are not included in the preceding table as the amount and timing of such payments are not known.

Similarly, we have not included the monthly service fee payments under our services agreement with Ridgeline, as although the amount and timing are known, we cannot currently determine the final termination date of that agreement and, as a result, we cannot determine the total amount of such payment.

## **Critical accounting policies and significant judgments and estimates**

Our consolidated financial statements are prepared in accordance with generally accepted accounting principles in the United States, or GAAP. The preparation of our consolidated financial statements and related disclosures requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, costs and expenses. We base our estimates on historical experience, known trends and events and various other factors that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. We evaluate our estimates and assumptions on an ongoing basis. Our actual results may differ from these estimates under different assumptions or conditions.

While our significant accounting policies are described in more detail in Note 2 to our consolidated financial statements appearing elsewhere in this prospectus, we believe that the following accounting policies are those most critical to the judgments and estimates used in the preparation of our consolidated financial statements.

### ***Accrued research and development expenses (including amounts due to related party)***

As part of the process of preparing our consolidated financial statements, we are required to estimate our accrued research and development expenses. This process involves reviewing open contracts and purchase orders, communicating with our applicable personnel to identify services that have been performed on our behalf and estimating the level of service performed and the associated cost incurred for the service when we have not yet been invoiced or otherwise notified of actual costs. The majority of our service providers invoice us in arrears for services performed, on a pre-determined schedule or when contractual milestones are met; however, some require advance payments. We make estimates of our accrued expenses as of each balance sheet date in the consolidated financial statements based on facts and circumstances known to us at that time. We periodically confirm the accuracy of the estimates with the service providers and make adjustments if necessary. Examples of estimated accrued research and development expenses include fees paid to:

- vendors, including research laboratories, in connection with preclinical development activities;
- CROs and investigative sites in connection with preclinical studies and clinical trials; and
- CMOs in connection with drug substance and drug product formulation of preclinical studies and clinical trial materials.

We base our expenses related to preclinical studies and clinical trials on our estimates of the services received and efforts expended pursuant to quotes and contracts with multiple research institutions and CROs that supply, conduct and manage preclinical studies and clinical trials on our behalf. The financial terms of these agreements are subject to negotiation, vary from contract to contract and may result in uneven payment flows. There may be instances in which payments made to our vendors will exceed the level of services provided and result in a prepayment of the expense. Payments under some of these contracts depend on factors such as the successful enrollment of patients and the completion of clinical trial milestones. In accruing service fees, we estimate the time period over which services will be performed and the level of effort to be expended in each period. If the actual timing of the performance of services or the level of effort varies from the estimate, we adjust the accrual or the prepaid expense accordingly. Although we do not expect our estimates to be materially different from amounts actually incurred, our understanding of the status and timing of services performed relative to the actual status and timing of services performed may vary and may result in reporting amounts that are too high or too low in any particular period. To date, there have not been any material adjustments to our prior estimates of accrued research and development expenses.

### ***Stock-based compensation***

We measure stock options and other stock-based awards granted to employees and directors based on their fair value on the date of the grant and recognize the corresponding compensation expense of those awards over the requisite service period, which is generally the vesting period of the respective award. We have only issued stock options and restricted share awards with service-based vesting conditions and record the expense for these awards using the straight-line method. We would apply the graded-vesting method to all stock-based awards with performance-based vesting conditions or to awards with both service-based and performance-based vesting conditions.

For stock-based awards granted to consultants and non-employees, we recognize compensation expense over the period during which services are rendered by such consultants and non-employees until completed. At the end of each financial reporting period prior to the completion of the service, the fair value of these awards is remeasured using the then-current fair value of our common stock and updated assumption inputs in the Black-Scholes option-pricing model.

We estimate the fair value of each stock option grant using the Black-Scholes option-pricing model, which uses as inputs the fair value of our common stock and assumptions we make for the volatility of our common stock, the expected term of our stock options, the risk-free interest rate for a period that approximates the expected term of our stock options and our expected dividend yield.

#### ***Determination of the fair value of common stock***

As there has been no public market for our common stock to date, the estimated fair value of our common stock has been determined by our board of directors as of the date of each option grant, with input from management, considering our most recently available third-party valuations of common stock, and our board of directors' assessment of additional objective and subjective factors that it believed were relevant and which may have changed from the date of the most recent valuation through the date of the grant. These third-party valuations were performed in accordance with the guidance outlined in the American Institute of Certified Public Accountants' Accounting and Valuation Guide, Valuation of Privately-Held-Company Equity Securities Issued as Compensation. Our common stock valuations were prepared using either an option pricing method, or OPM, or a hybrid method, both of which used market approaches to estimate our enterprise value. The OPM treats common stock and preferred stock as call options on the total equity value of a company, with exercise prices based on the value thresholds at which the allocation among the various holders of a company's securities changes. Under this method, the common stock has value only if the funds available for distribution to stockholders exceeded the value of the preferred stock liquidation preferences at the time of the liquidity event, such as a strategic sale or a merger. A discount for lack of marketability of the common stock is then applied to arrive at an indication of value for the common stock. The hybrid method is a probability-weighted expected return method, or PWERM, where the equity value in one or more scenarios is calculated using an OPM. The PWERM is a scenario-based methodology that estimates the fair value of our common stock based upon an analysis of our future values, assuming various outcomes. The common stock value is based on the probability-weighted present value of expected future investment returns considering each of the possible outcomes available as well as the rights of each class of stock. The future value of the common stock under each outcome is discounted back to the valuation date at an appropriate risk-adjusted discount rate and probability weighted to arrive at an indication of value for the common stock. These third-party valuations were performed at various dates, which resulted in valuations of our common stock of \$0.24 per share as of August 31, 2018, \$1.06 per share as of December 21, 2018, \$1.37 per share as of June 12, 2019, \$2.13 per share as of July 30, 2019, \$3.60 per share as of September 9, 2019 and \$3.60 per share as of November 12, 2019. In addition to considering the results of these third-party valuations, our board of directors considered various

objective and subjective factors to determine the fair value of our common stock as of each grant date, including:

- the prices at which we sold shares of preferred stock and the superior rights and preferences of the preferred stock relative to our common stock at the time of each grant;
- the progress of our research and development programs, including the status and results of preclinical studies and clinical trials for our product candidates;
- our stage of development and commercialization and our business strategy;
- external market conditions affecting the biopharmaceutical industry and trends within the biopharmaceutical industry;
- our financial position, including cash on hand, and our historical and forecasted performance and results of operations;
- the lack of an active public market for our common stock and our preferred stock;
- offers we have received to be purchased by prospective buyers;
- the likelihood of achieving a liquidity event, such as an initial public offering, or IPO, or sale of our company in light of prevailing market conditions; and
- the analysis of IPOs and the market performance of similar companies in the biopharmaceutical industry.

The assumptions underlying these valuations represented management's best estimate, which involved inherent uncertainties and the application of management's judgment. As a result, if we had used significantly different assumptions or estimates, the fair value of our common stock and our stock-based compensation expense could have been materially different.

Once a public trading market for our common stock has been established in connection with the closing of this offering, it will no longer be necessary for our board of directors to estimate the fair value of our common stock in connection with our accounting for granted stock options and other such awards we may grant, as the fair value of our common stock will be determined based on the quoted market price of our common stock.

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### *Awards granted*

The following table sets forth by grant date the number of shares subject to options and restricted stock granted from January 1, 2017 through the date of this prospectus, the per share purchase prices and exercise prices, the fair value of common stock per share on each grant date, and the per share estimated fair value of the awards:

<b>Grant Date</b>	<b>Type of award</b>	<b>Number of shares subject to award</b>	<b>Per share exercise price of options or purchase price of restricted stock</b>	<b>Per share fair value of common stock on grant date</b>	<b>Per share estimated fair value of award on grant date</b>
March 14, 2017	Option	10,000	\$ 0.10	\$ 0.10	\$ 0.06
March 14, 2017	Option	10,000	\$ 0.10	\$ 0.10	\$ 0.07
December 11, 2017	Restricted stock	276,500	\$ 0.10	\$ 0.10	\$ 0.10 <sup>(2)</sup>
September 13, 2018	Option	73,970	\$ 0.24	\$ 0.24	\$ 0.14
September 13, 2018	Option	50,000	\$ 0.24	\$ 0.24	\$ 0.12
October 8, 2018	Restricted stock	278,960	\$ 0.24	\$ 0.24	\$ 0.24 <sup>(2)</sup>
March 4, 2019	Option	15,000	\$ 1.06	\$ 1.06	\$ 0.58
March 4, 2019	Option	88,199	\$ 1.06	\$ 1.06	\$ 0.62
March 4, 2019	Restricted stock	140,000	\$ 1.06	\$ 1.06	\$ 1.06 <sup>(2)</sup>
June 12, 2019 <sup>(1)</sup>	Option	39,000	\$ 1.06	\$ 1.37	\$ 0.86
June 12, 2019 <sup>(1)</sup>	Option	78,000	\$ 1.06	\$ 1.37	\$ 0.88
June 12, 2019 <sup>(1)</sup>	Option	1,154,839	\$ 1.06	\$ 1.37	\$ 0.92
August 8, 2019	Option	117,200	\$ 2.13	\$ 2.13	\$ 1.22
August 14, 2019	Option	1,745,870	\$ 2.13	\$ 2.13	\$ 1.22
September 9, 2019	Option	100,000	\$ 3.60	\$ 3.60	\$ 1.89
September 9, 2019	Option	1,368,643	\$ 3.60	\$ 3.60	\$ 2.06
December 5, 2019	Option	160,000	\$ 3.60	\$ 3.60	\$ 2.14
December 5, 2019	Option	2,083,190	\$ 3.60	\$ 3.60	\$ 2.15
December 5, 2019	Option	79,000	\$ 3.60	\$ 3.60	\$ 2.09
December 5, 2019	Restricted Stock	50,000	\$ 3.60	\$ 3.60	\$ 3.60 <sup>(2)</sup>

<sup>(1)</sup> For options granted on June 12, 2019, the board of directors determined that the fair value of our common stock was \$1.06 per share as of the grant date. However, the fair value of our common stock at the date of the grant was adjusted in connection with a retrospective fair value assessment solely for accounting purposes.

<sup>(2)</sup> For purposes of recording stock-based compensation for grants of options or restricted stock to non-employees, we measure the fair value of the award on the service completion date (vesting date). At the end of each reporting period prior to completion of the services, we remeasure the value of any unvested portion of the award based on the then-current fair value of the award and adjust the expense accordingly. Amounts in this column reflect only the grant-date fair value of awards to non-employees.

### **Valuation of derivative liabilities**

#### *Conversion feature*

We issued convertible promissory notes that contained a conversion feature, which met the definition of a derivative instrument as it was not clearly and closely related to the economic characteristics and risks of the convertible promissory notes because the conversion feature provided for the accelerated repayment of the convertible promissory notes at a substantial premium upon the occurrence of specified events. We classified the instrument as a derivative liability, which was initially recorded at its fair value upon issuance of the convertible promissory notes and was subsequently remeasured to fair value at each reporting date with changes in the fair value recognized in our consolidated statement of operations.

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The fair value of the derivative liability was determined using a with and without analysis within a PWERM which considered as inputs the type, timing and probability of occurrence of a future equity financing; the potential amount of the payment under each of the potential settlement scenarios (with and without the conversion feature); and the discount rate reflecting the expected risk profile for each of the potential settlement scenarios. The estimates were based, in part, on subjective assumptions. Changes to these assumptions could have had a significant impact on the fair value of the derivative liability.

In March 2017, in connection with the sale of our Series A preferred stock, all of the outstanding principal and accrued interest under the convertible promissory notes automatically converted into shares of Series A preferred stock. As a result, subsequent to this conversion, we no longer have a derivative liability recorded on our consolidated balance sheet and we no longer recognize changes in the fair value of the derivative liability in our consolidated statement of operations.

### *Tranche rights*

Our issuance of Series A and Series B preferred stock (see Note 7 to our consolidated financial statements) provided investors the right to participate in subsequent offerings of Series A and Series B preferred stock, respectively, in the event specified developmental and regulatory milestones were or are achieved. We classify the tranche rights as derivative liabilities on our consolidated balance sheets as we determined that the tranche rights met the definition of a freestanding financial instrument since they are legally detachable. We also determined that such instruments represent forward sale contracts on redeemable shares and, accordingly, the instrument should be accounted for as a liability separate from the convertible preferred stock. We remeasure the derivative liabilities associated with tranche rights to fair value at each reporting date, and recognize changes in the fair value of the derivative liabilities in our consolidated statements of operations.

The fair value of the derivative liabilities was determined using a back solve approach based on the price paid for the underlying preferred stock and the derivative liability. The derivative liabilities were valued as forward contracts which considered inputs including, but not limited to, the probability of attaining milestones, market-based assumptions for expected term and the risk free rate. Changes to these assumptions could have a significant impact on the fair value of the derivative liabilities.

### **Off-balance sheet arrangements**

We did not have during the periods presented, and we do not currently have, any off-balance sheet arrangements, as defined in the rules and regulations of the Securities and Exchange Commission.

### **Recently issued accounting pronouncements**

A description of recently issued accounting pronouncements that may potentially impact our financial position and results of operations is disclosed in Note 2 to our consolidated financial statements included elsewhere in this prospectus.

### **Internal control over financial reporting**

In preparation of our financial statements to meet the requirements of this offering, we determined that material weaknesses in our internal control over financial reporting existed during fiscal 2017 and remain unremediated. See “Risk factors—We have identified material weaknesses in our internal control over financial reporting. If we are unable to remediate these material weaknesses, or if we identify additional material weaknesses in the future or otherwise fail to maintain an effective system of internal controls, we may not be able to accurately or timely report our financial condition or results of operations, which may adversely affect our business.”

## **Quantitative and qualitative disclosures about market risks**

### ***Interest rate risk***

We are exposed to market risk related to changes in interest rates. As of December 31, 2017 and 2018 and September 30, 2019, our cash and cash equivalents were held in savings accounts at banking institutions and a money market fund that invests in U.S. Government securities. Our primary exposure to market risk is interest income sensitivity, which is affected by changes in the general level of U.S. interest rates. However, because of the short-term nature of the instruments in our portfolio, an immediate 10% change in the interest rate would not have a material impact on the fair market value of our investment portfolio or on our financial position or results of operations.

As of December 31, 2017 and 2018 and September 30, 2019, we had no debt outstanding and are therefore not subject to interest rate risk related to debt.

### ***Foreign currency exchange risk***

Our primary exposure to market risk is foreign exchange rate sensitivity to the Canadian dollar (CAD), the currency used in Canada, where our wholly owned subsidiary, Black Diamond Therapeutics (Canada) Inc., which was incorporated in September 2018, is located. For the year ended December 31, 2018 and the nine months ended September 30, 2019, we recognized foreign currency transaction losses of less than \$0.1 million. These foreign currency transaction losses were recorded as a component of other income (expense) in our consolidated statements of operations. An immediate 5% change in CAD exchange rate would not have any material effect on our results of operations.

As we continue to grow our business, our results of operations and cash flows will be subject to fluctuations due to changes in foreign currency exchange rates, which could adversely impact our results of operations. To date, we have not entered into any foreign currency hedging contracts to mitigate our exposure to foreign currency exchange risk.

## **Emerging growth company and smaller reporting company status**

The Jumpstart Our Business Startups Act of 2012 permits an “emerging growth company” such as us to take advantage of an extended transition period to comply with new or revised accounting standards applicable to public companies until those standards would otherwise apply to private companies. We have elected to not “opt out” of this provision and, as a result, we will adopt new or revised accounting standards at the time private companies adopt the new or revised accounting standard and will do so until such time that we either (i) irrevocably elect to “opt out” of such extended transition period or (ii) no longer qualify as an emerging growth company.

We are also a “smaller reporting company” meaning that the market value of our stock held by non-affiliates plus the proposed aggregate amount of gross proceeds to us as a result of this offering is less than \$700 million and our annual revenue was less than \$100 million during the most recently completed fiscal year. We may continue to be a smaller reporting company after this offering if either (i) the market value of our stock held by non-affiliates is less than \$250 million or (ii) our annual revenue was less than \$100 million during the most recently completed fiscal year and the market value of our stock held by non-affiliates is less than \$700 million. If we are a smaller reporting company at the time we cease to be an emerging growth company, we may continue to rely on exemptions from certain disclosure requirements that are available to smaller reporting companies. Specifically, as a smaller reporting company we may choose to present only the two most recent fiscal years of audited financial statements in our Annual Report on Form 10-K and, similar to emerging growth companies, smaller reporting companies have reduced disclosure obligations regarding executive compensation.

# Business

## Overview

We are a precision oncology medicine company pioneering the discovery and development of small molecule, tumor-agnostic therapies. We target undrugged oncogenic driver mutations in patients with genetically-defined cancers. The foundation of our company is built upon a deep understanding of cancer genetics, protein structure and function, and medicinal chemistry. Our proprietary technology platform, which we refer to as our Mutation-Allostery-Pharmacology, or MAP, platform, is designed to allow us to analyze population-level genetic sequencing data to discover oncogenic mutations that promote cancer across tumor types. Our goal is to identify families of mutations that can be inhibited with a single small molecule therapy in a tumor-agnostic manner. We have designed our lead product candidate, BDTX-189, to potently and selectively inhibit a family of oncogenic proteins defined by mutations which occur outside the adenosine triphosphate, or ATP site, and which we refer to as non-canonical mutations. Non-canonical mutations occur across a range of tumor types that affect both the epidermal growth factor receptor, or EGFR, and the tyrosine-protein kinase ErbB-2, or HER2. We have designed BDTX-189 to bind to the active site of these mutant kinases and inhibit their function. BDTX-189 is also designed to spare normal, or wild type, EGFR, which we believe will improve upon the toxicity profiles of current ErbB kinase inhibitors. We submitted our IND for BDTX-189 in November 2019, which was allowed by the U.S. Food and Drug Administration, or FDA, on December 13, 2019, and plan to start a combined Phase 1/2 clinical trial in the first half of 2020 to pursue a tumor-agnostic development strategy. We are also leveraging our MAP platform to identify other families of non-canonical mutations in validated oncogenes beyond ErbB, which has the potential to expand the reach of targeted therapies.

Approved targeted therapies, such as kinase inhibitors, have transformed the treatment of cancers and demonstrated a significant benefit to certain patients by treating active site mutations in a single tumor type. Improved genetic sequencing of cancers has led to the discovery of additional genetic alterations responsible for cancer development and growth. These genetic alterations were previously unaddressed, unsuccessfully targeted or overlooked. We believe our MAP platform will allow us to reveal the oncogenic nature of families of undrugged driver mutations and their associated protein conformations. We believe this approach offers a substantial opportunity to expand the number of patients who could benefit from precision oncology medicines.

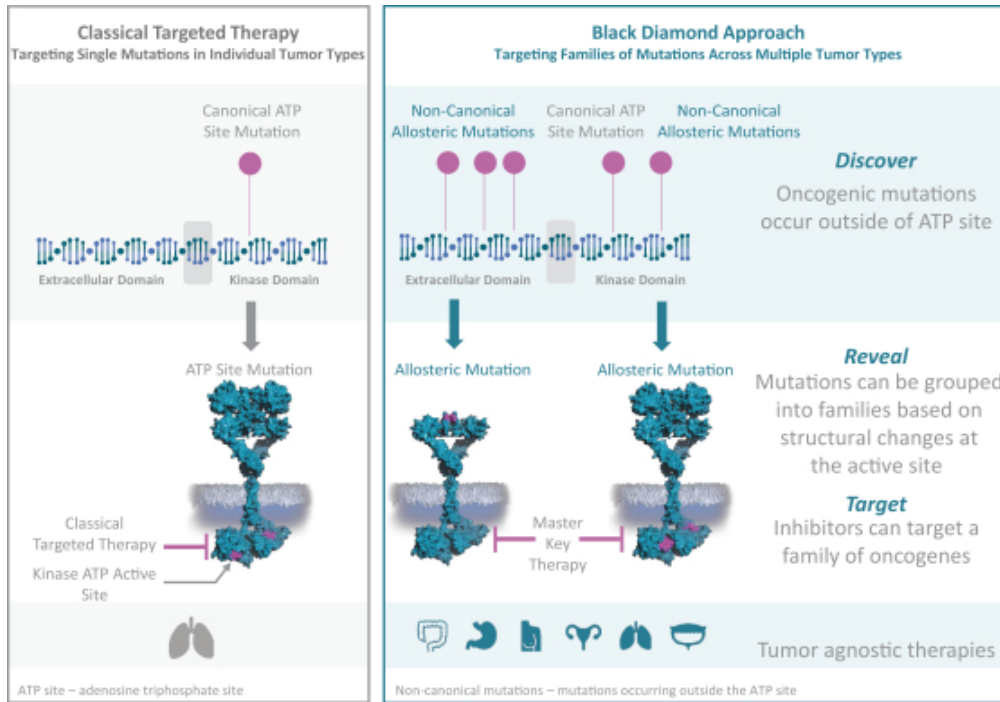
Our proprietary MAP platform is built on three central pillars:

- **Discover**—Through comprehensive analysis of population-level genetic sequencing data, we identify oncogenic mutations among hundreds of unique alterations within a single gene. Our MAP platform algorithm uses genetic and proteomic features to rank mutations for potential oncogenicity. We use our algorithm as a machine learning tool to classify mutations as either pathogenic or benign and predict the probability, or MAP score, that a mutation is pathogenic.
- **Reveal**—We confirm the oncogenicity of the identified mutations through cell and tumor models and reveal how these mutations drive conformational changes in proteins. This allows us to group subsets of mutations into families based upon similar protein structures and shared selectivity profiles.



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- **Target**—Using these shared characteristics, we seek to develop single small molecule product candidates, each designed to inhibit only the intended mutation family.



**Our pipeline**

Utilizing our proprietary MAP platform, we are developing a pipeline of orally available, potent and selective small molecule kinase inhibitors that target a range of driver mutations in cancer. An overview of our pipeline of product candidates is shown in the table below.

Oncogene Family	Target	Drug Candidate	Diseases	Discovery <sup>(1)</sup>	Optimization <sup>(2)</sup>	IND-enabling <sup>(3)</sup>	Phase 1	Phase 2	Phase 3	Commercial Rights	Key Anticipated Milestone
ErbB Family	EGFR HER2	BDTX-189	Tumor agnostic	Completed						Commercial Rights	Phase 1/2 Trial Initiation (1H 2020)
	EGFR	Undisclosed	Glioblastoma	Completed						Commercial Rights	IND-Enabling Studies (2020)

Completed

- (1) In the Discovery stage, we screen compounds against biological assays to identify lead compounds with activity against desired targets.
- (2) In the Optimization stage, we synthetically modify an active lead compound to improve potency, selectivity, pharmacokinetic and toxicity parameters and physical chemical properties important for clinical usefulness to support nomination as a development candidate.
- (3) In the IND-enabling stage, we conduct preclinical studies, in addition to Good Laboratory Practice, or GLP, compliant toxicology studies and generate chemical manufacture and control information and analytical data, required for an IND submission to the FDA.

**BDTX-189: An inhibitor of non-canonical and additional oncogenic mutations of ErbB**

BDTX-189 is designed to be an orally available, irreversible small molecule inhibitor that targets a family of non-canonical and canonical driver mutations of the ErbB kinases EGFR and HER2. These mutations are

prevalent in bladder, breast, endometrial, gastric and colon cancers and non-small cell lung cancer, or NSCLC. Currently, there are no drugs approved by the FDA, that target all of these oncogenic mutations with a single therapy.

BDTX-189 is designed to be a highly selective, potent inhibitor that targets this family of oncogenic proteins defined by the non-canonical ErbB driver mutations, while also sparing wild type EGFR. In preclinical models, BDTX-189 exhibited anti-tumor activity evidenced by potent tumor growth inhibition and tumor regression. We submitted our IND for BDTX-189 in November 2019, which was allowed by the FDA on December 13, 2019, and plan to start a combined Phase 1/2 clinical trial in the first half of 2020. The Phase 1 portion of the trial will evaluate escalating doses of BDTX-189 and is designed to determine the recommended Phase 2 dose and to assess preliminary indications of anti-tumor activity. The Phase 2 portion will determine the ORR and duration of response in patients with solid tumors that have an allosteric HER2 mutation, or EGFR or HER2 exon 20 insertion mutation determined using NGS, or next-generation sequencing. Depending on results from the Phase 1/2 trial, we may either expand the Phase 2 portion of the trial or initiate a second Phase 2 trial in order to pursue an accelerated approval of BDTX-189, subject to discussions with FDA, for patients with mutations of the ErbB family across one or more solid tumor types as a tumor agnostic indication.

### **Glioblastoma program: Allosteric-EGFR mutation inhibitors**

Glioblastoma is a difficult-to-treat, aggressive type of cancer that can occur in the brain or spinal cord. Current therapy consists primarily of surgical resection of the tumor followed by radiation and chemotherapy and has only a 25 percent survival rate two years after diagnosis.

Almost 50 percent of glioblastoma tumors express one or more allosteric EGFR mutations that affect the extracellular region of the receptor tyrosine kinase, consequently promoting oncogenic activation. We believe that current targeted therapies have been unsuccessful in treating glioblastoma due to (i) the concurrent expression of these allosteric EGFR mutations within individual patients, (ii) insufficient drug potency for allosteric EGFR mutations and (iii) low levels of brain penetration. We have shown that the mechanism of activation for these allosteric EGFR mutations involves the formation of a constitutive dimer, and a shared conformation by the family of allosteric EGFR mutations expressed in glioblastoma. Our lead molecules potently and selectively inhibited this family of allosteric mutants and achieved tumor-growth inhibition and regression in the *in vivo* animal models we have utilized. Additionally, our lead molecules are designed to be brain penetrant and we have observed measurable brain exposure in animal models. We are completing preclinical characterization of our glioblastoma candidate leads and plan to select a development candidate in 2020.

### **Early-stage programs**

We are also progressing our early stage pipeline programs targeting groups of allosteric mutations in kinases relevant to cancer and/or rare genetic diseases that we have developed utilizing our MAP platform. These programs are currently progressing through lead optimization.

### **Our strategy**

Our vision is to build a differentiated, global biopharmaceutical company by discovering, developing and commercializing novel precision medicines for every genetically-defined patient. We are advancing the field of precision medicines through improved understanding of mutant protein conformations to (i) identify novel oncogenic driver mutations and (ii) target families of mutations with individual small molecule therapies. We believe our strategy will enable us to become an industry leader in precision oncology medicine and advance a

portfolio of tumor-agnostic product candidates aimed at delivering safe and effective medicines to patients. The critical components of our strategy include:

- **Rapidly advance our lead drug candidate, BDTX-189, through clinical development, as a tumor-agnostic, spectrum-selective small molecule therapy.** We believe BDTX-189 has the potential to treat multiple tumors independent of tissue of origin and become the first agent approved to address allosteric ErbB mutations. We intend to advance BDTX-189 into a combined Phase 1/2 clinical trial in solid tumors with genetically defined allosteric mutations in EGFR and HER2. We plan to conduct our clinical studies in a genetically-defined patient population and leverage learnings from recently approved tumor-agnostic drugs to inform the clinical and regulatory pathways for BDTX-189 in order to mitigate potential development risks. If successful in achieving clinically meaningful anti-tumor activity across a range of allosteric ErbB mutations and solid tumor types, we plan to meet with regulatory authorities to discuss expedited regulatory approval strategies.
- **Rapidly advance our glioblastoma program to identify a lead small molecule product candidate and progress it through clinical development.** We believe that the lead molecules in our glioblastoma program could overcome the limitations of current therapies by potently and selectively inhibiting the family of allosteric EGFR kinases expressed in glioblastoma tumors with a brain penetrant compound. We plan to select a development candidate in 2020.
- **Expand our pipeline of potent and selective small molecule inhibitors to fully exploit the potential of our proprietary MAP platform.** We believe that the general principles for mutation-driven conformational change that we have identified for the ErbB family can also apply to other oncogenic proteins. We also believe that our MAP platform has identified undrugged driver mutations for cancer for which we intend to design and develop highly selective and potent inhibitors to block the activity of these oncogenic proteins. We are advancing several early-stage programs focused on targeting a range of driver mutations, including allosteric activating mutations.
- **Continue to invest in our proprietary MAP platform to identify and characterize new mutation families.** We plan to expand our MAP platform to enable new insights into canonical and non-canonical mutations and to accelerate our ability to identify other mutational drivers, including those involved in rare diseases, as well as oncology. We will continue to enhance our proprietary computational algorithms by leveraging our extensive in-house expertise in allosteric mutations and deep understanding of chemistry. By continuing to strengthen and expand our MAP platform, we believe we can exploit the growing amount of genetic sequencing data to characterize mutations underlying human disease.
- **Selectively enter into strategic partnerships to maximize the potential of our pipeline and our proprietary MAP platform.** Given our potential to generate novel product candidates addressing a wide variety of cancers and rare diseases, we may opportunistically enter into strategic partnerships around certain targets, product candidates or disease areas. These collaborations could advance and accelerate our development programs to maximize their market potential and expand our MAP platform capabilities.

## Our history and team

We were founded by Dr. David M. Epstein and Dr. Elizabeth Buck in 2014 and, beginning in 2017, together with Versant Ventures began building the MAP platform and chemistry discovery engine. As of January 3, 2020, we have raised more than \$194 million in funding from leading investors including Versant Ventures, New Enterprise Associates, RA Capital Management, Tavistock Group, NexTech Invest, The Invus Group, Perceptive Advisors and Wellington Management.

We have assembled a team with significant expertise in drug discovery and development with particular strengths in the discovery of small molecule protein kinase inhibitors. David M. Epstein, Ph.D., our President

and Chief Executive Officer, was previously Chief Scientific Officer at OSI Pharmaceuticals, Inc. and founder of Archemix Corporation, where he led the advancement of multiple product candidates into the clinic in multiple therapeutic areas. Thomas Leggett, our Chief Financial Officer, was previously Senior Vice President of Finance and Chief Financial Officer at Axcella Health, Inc. Christopher D. Roberts, our Chief Scientific Officer, was previously Entrepreneur in Residence at S.R. One Limited, the corporate venture capital arm of GlaxoSmithKline plc. Elizabeth Buck, Ph.D., our Executive Vice President of Discovery & Translational Sciences, previously led preclinical pharmacology and oncology translational research at OSI Pharmaceuticals, Inc. Karsten Witt, M.D., our Senior Vice President of Clinical Development, previously led clinical development at Array Biopharma Inc. and OSI Pharmaceuticals, Inc. Dr. Witt has been involved in eight regulatory approvals, four of which are related to Tarceva (erlotinib), an approved kinase inhibitor for the treatment of certain lung and pancreatic cancers. Brent Hatzis-Schoch, our Chief Operating Officer and General Counsel, was previously General Counsel at Radius Health, Inc.

## **Background on and limitations of previous generations of targeted therapies**

### ***Background on targeted therapies***

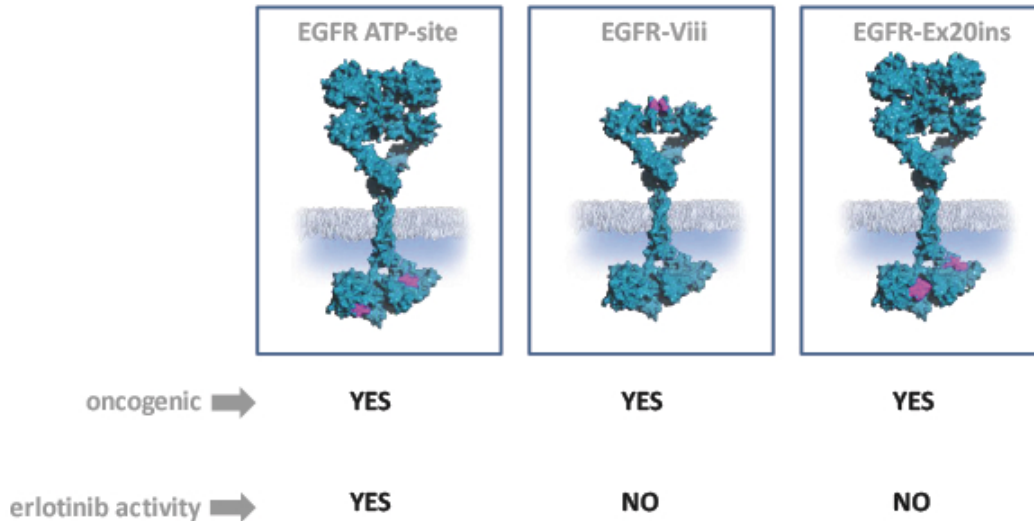
Cancer is a genetic disease that is caused by changes in DNA that control the way cells function, especially how they grow and divide, and has historically been diagnosed and treated based on a tumor's organ site or tissue of origin. Oncogene addiction, which is the dependency of tumors on genetic drivers for their growth and survival advantage, has enabled the pharmacological development of targeted therapies that exploit this dependency. Recent advances in genetic sequencing and a better understanding of genetic alterations that drive cancers have facilitated more precise and histologically agnostic cancer drug development.

These targeted therapies have transformed the treatment of some cancers by providing substantial clinical benefit and have emerged as an important part of standard of care for cancer patients. Worldwide sales of kinase inhibitors, one class of targeted therapies, exceeded \$25 billion in 2018. Furthermore, patients with tumors driven by oncogene addiction typically show rapid and measurable tumor shrinkage when exposed to drugs targeting the relevant alteration. Such clinical responses can be dramatic enough in many cases to support expedited regulatory approval of these targeted therapies. Yet, a recent analysis found that only nine percent of patients with metastatic cancer have tumors with genetic profiles that could make them eligible for treatment with an approved precision oncology medicine.

Existing targeted therapies have been effective because they target genetically-defined cancers driven by a single set of mutations. Genetic sequencing of tumors reveals that many mutations remain uncharacterized, suggesting that there are additional mutations that can lead to oncogene addiction. With its supplemental approval by the FDA in 2017, pembrolizumab, or Keytruda, was the first targeted oncology treatment approved for any solid tumor based on a molecular profile, regardless of the tumor's site of origin. In 2018, larotrectinib, or Vitrakvi, was approved by the FDA for neurotrophic tropomyosin receptor kinase, or NTRK, driven cancers, making it the first drug to be specifically developed and approved to treat a specific genetic alteration in a tissue agnostic fashion. We believe that these approvals represent a fundamental change in the development of targeted therapies and will increasingly lead to cancer being characterized for treatment in a genetic, rather than in a tissue-specific manner.

**Limitations of current targeted therapies**

Current targeted therapies provide clinical benefit to patients expressing the ATP-site mutations but not to patients expressing other EGFR mutations. Numerous mutations beyond active site mutations are known to the oncology clinical and research community, but those mutations are not currently targeted by approved inhibitors. While EGFR-targeted therapies, including erlotinib and osimertinib, have proven to be effective in patients with ATP-site mutations, limited response has been observed to these inhibitors when treating patients with cancers expressing other types of oncogenic EGFR mutations, including those expressed outside of the ATP site, such as EGFR exon 20 insertions and extracellular domain mutations. There remains a significant unmet medical need for new drugs that can extend precision medicines to these patients expressing non-ATP site or non-canonical mutations. The figure below depicts the oncogenic EGFR mutations, shown in magenta. These include the ATP-site mutations, EGFR exon 19 deletions and L858R (left panel), as well as an additional spectrum of mutations occurring outside of the ATP site, including EGFR-Viii (middle panel) and EGFR exon 20 insertions (right panel).



**Emergence of genetic sequencing as standard of care in treating cancer**

Cancer treatment is evolving rapidly and there is now widespread recognition that cancer is a disease of genetics, as much as it is a disease defined by histology or anatomical location. This shift has been driven by the increased use of genetic sequencing coupled with the availability of approved targeted therapies. The FDA has approved Foundation Medicine's comprehensive genetic profiling test FoundationOne CDx and the Centers for Medicare & Medicaid Services announced coverage of next generation genetic sequencing tests, which we believe will further drive the use of genetic testing. A recent study demonstrated that 75 percent of oncologists in the United States employ genetic sequencing. As technological advancements in genetic sequencing improve and an increasing number of targeted therapies are developed, we believe that physicians will require molecular information about their patients' cancers to determine the optimal course of treatment. Not only have advances in genetic sequencing changed the standard of care for oncology patients, they are leading to transformations in the discovery and development of oncology drugs.

We believe that genetic sequencing enables the discovery of additional targets for drug development. More than 400 cancer-associated genes are routinely sequenced, and analysis of this data has shown that mutations

are not restricted to specific regions, but rather are spread more broadly throughout entire sequences of genes. We believe that such mutations have not yet been systematically studied as potential drug targets or their oncogenic proteins targeted in drug discovery efforts, and that our ability to do so represents a significant opportunity to develop precision medicines in areas of major unmet medical need.

## The Black Diamond Therapeutics approach

At Black Diamond Therapeutics, our goal is to bring precision oncology medicine to a greater number of patients. Our drug development efforts leverage our novel findings that:

- mutations throughout a gene can drive oncogenic activation and change the drug selectivity profile of their active sites;
- these oncogenic mutations can be grouped as families because they drive similar protein structural changes, and exhibit a shared selectivity profile; and
- a family of oncogenic proteins can therefore be inhibited by a single small molecule that targets the active site.

We believe we can address certain key limitations of current generation precision medicine therapies in oncology by applying our MAP platform to identify and target novel classes of oncogenic mutations. We believe this will allow us to design and develop potential therapies for patients for whom there are currently no targeted treatment options.

## Our MAP platform

Our MAP platform is built on three central pillars: Discover—Reveal—Target.

### *Discover—identify mutations and rank for potential oncogenicity*

Our discovery process begins by identifying oncogenic mutations. We use population-level cancer genetic data obtained from all tumor types, to identify potential families of mutations that occur within individual oncogenes.

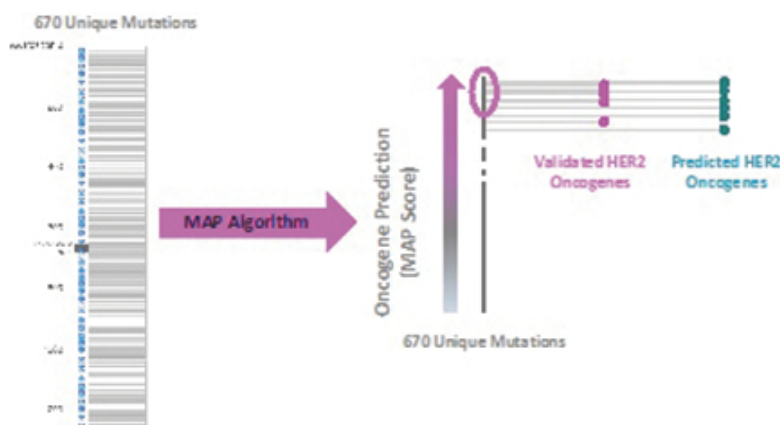
We have developed unique insights into the specific structural features of a protein that are associated with oncogenic mutations. The algorithm underlying our MAP platform scores each mutation for its potential oncogenicity, which we refer to as a MAP score. This algorithm is designed to identify potential oncogenic mutations within the vast landscape of potentially insignificant mutations. We map these mutations onto the 3-dimensional structure of a protein to determine which of the many mutations expressed by human tumors occur at sites associated with oncogenicity.

For HER2 and EGFR, we observed that oncogenic mutations are distributed nearly uniformly throughout the sequence of these two genes, revealing many mutations occurring outside of the ATP site, which have not been targeted by drugs.

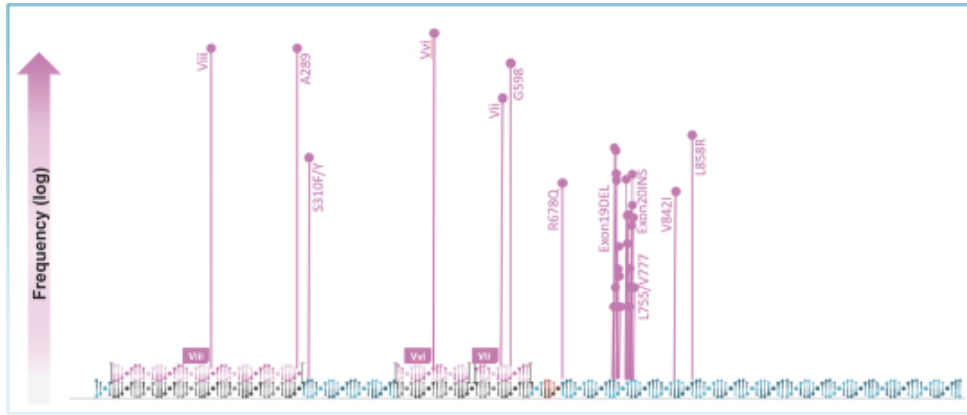
For example, applying our algorithm to all currently known mutations in HER2 alone reveals a subset of mutations with high MAP scores, which we believe is a predictor of oncogenicity. For the ErbB family, we observed 3,868 unique mis-sense mutations (935 mutations in EGFR, 670 mutations in HER2, 794 mutations in HER3 and 1469 mutations in HER4). These mutations are distributed throughout the target sequence. As illustrated in the figure below, we observed 670 unique mutations expressed in HER2, detected within a combined human tumor data set of approximately 70,000 cases (GENIE 5.0 and TCGA data sets). Through this

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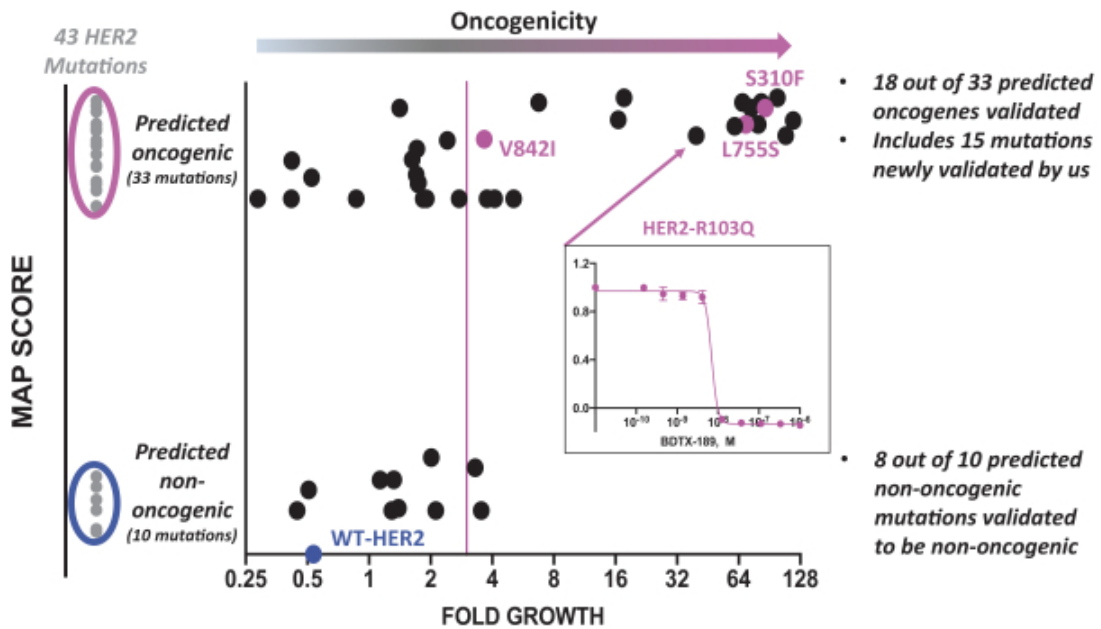
analysis, we re-identified or confirmed the known HER2 allosteric oncogenic mutations, which are the mutations that we targeted with our BDTX-189 product candidate. We also identified an additional subset of mutations with high MAP scores, and we are currently validating these putative oncogenic mutations experimentally. Our goal is to expand our targeted mutation family to potentially include this additional group of non-canonical mutations.



Our genetic sequencing analysis has identified a family of 50 non-canonical mutations in both the extracellular and kinase domains of EGFR and HER2. The figure below is a compilation of the non-canonical EGFR and HER2 oncogenic mutations that we are targeting in both of our ErbB programs. Each dot represents a unique non-canonical EGFR and HER2 oncogenic mutation found in individual tumors while the height of each dot represents the frequency at which such mutation was found. The sites of two mutations defined as canonical mutations are indicated. The frequency for EGFR oncogenic mutations expressed in glioblastoma (was calculated as relative frequency within glioblastoma. The frequency for all other EGFR and HER2 mutations was calculated relative to all solid tumors (approximately 70,000 tumors within project GENIE 5.0 / TCGA dataset). Specifically, the figure shows the prevalence of various types of alterations of EGFR expressed in glioblastoma (EGFR-Viii, EGFR-Vii, EGFR-Vvi, three mutations affecting EGFR-A289 and two mutations affecting EGFR-G598) and various types of EGFR and HER2 alterations expressed across solid tumors (two mutations affecting HER2-S310, HER2-R678Q, six unique mutations affecting HER2-L755, four unique mutations affecting HER2-V777, HER2-V842I, 46 unique mutations that are deletions within exon 19, and 28 unique mutations that are insertions within exon 20 and EGFR-L858R).



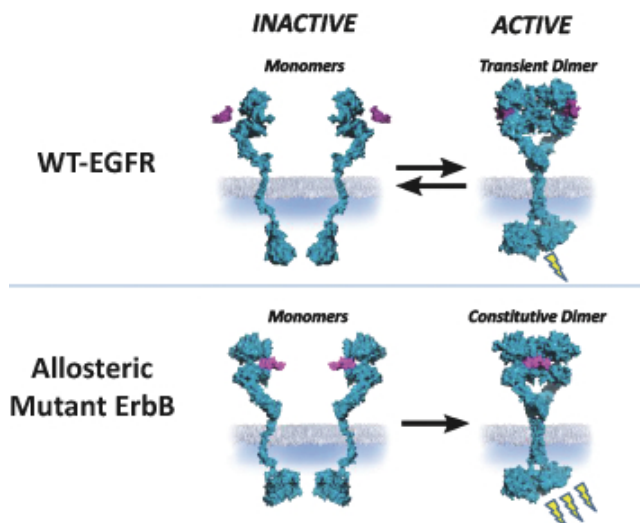
We selected 43 additional HER2 mutations to experimentally test for oncogenicity using the BaF3 transformation assay. Thirty three of the 43 mutations tested had high MAP scores and were therefore predicted to have oncogenic behavior, while ten of the 43 mutations had low MAP scores and were therefore not predicted to be oncogenic. In this screen, we also tested wild type HER2 and three HER2 mutations that we had already observed to have oncogenic behavior. Wild type HER2 was unable to transform BaF3 cells to IL-3 independent proliferation, while all three validated HER2 oncogenic mutations (HER2-V842I, L755S and S310F) successfully transformed cells, as evidenced by greater than three-fold proliferation over a seven day period. Of the 33 mutations with high MAP scores that were predicted to be oncogenic, 15 were transformative. In contrast, among the group of mutations with low MAP scores that were not predicted to have oncogenic behavior, only two transformed BaF3 cells to proliferate greater than three fold over seven days. We found newly-characterized mutations to be sensitive to BDTX-189, as evidenced below with potent inhibition of proliferation against cells transformed by the HER2-R103Q mutation.





**Reveal—understanding the mechanism for oncogenic activation**

We evaluate the oncogenicity of these mutations occurring outside of the ATP site, which have not been targeted and use our preclinical models to reveal how mutations drive protein conformation change to promote oncogenicity. Furthermore, we use these models to determine whether the drug sensitivity profile, or pharmacology, of the ATP site is altered. We use this information to group mutations into oncogene families that share a similar ATP site pharmacology. The drug selectivity patterns of mutant EGFR and HER2 kinases provide evidence of unique conformational states driven by mutation. As illustrated in the figure below, dimerization is required for receptor activation, an important step in oncogenic signaling. In wild type EGFR, the binding of a ligand to the extracellular domain promotes an active dimer conformation. In the case of wild type EGFR, this is a transient dimer conformation. We have discovered that a family of EGFR and HER2 mutations activate these kinases and promote oncogenicity by stabilizing the kinase in a unique constitutive dimer conformation. Importantly, the constitutive dimer conformation results in a change in selectivity for drugs which bind to the ATP site, potentially reducing the effectiveness of currently approved targeted therapies, such as erlotinib.

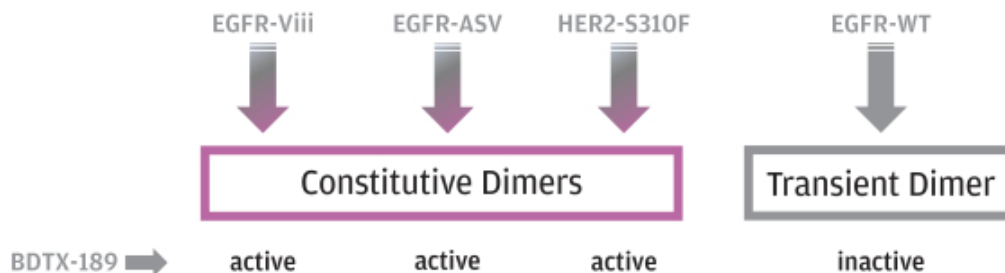


*The protein conformation for the active form of allosteric mutant ErbB receptors is unique from the conformation of wild type EGFR. Wild type EGFR is inactive in its monomeric form, and activated upon the binding of an EGF ligand (shown in dark purple) to the extracellular domain, forming an active transient dimer conformation. Allosteric ErbB mutations (highlighted in magenta in this example) can promote a constitutive dimer conformation which has high activity and is oncogenic.*

**Target—develop mutation spectrum-selective drugs to our targets**

Our team of experienced medicinal chemists seek to design and identify small molecules that bind to the active site and inhibit the target only when it is in the unique conformation promoted by the non-canonical oncogenic mutations we identified. Using a multidimensional medicinal chemistry lead identification and optimization strategy and leveraging our proprietary know-how in drug design, we aim to identify small molecules with bespoke selectivity against the entire desired spectrum of mutations as a family, while at the same time sparing inhibition of the wild-type form of the protein or other unwanted targets.

We utilized the cell and tumor models developed under our “Reveal” pillar as biological screens which recapitulate the tumor biology for these mutations. We used these models to identify our ErbB clinical candidate, BDTX-189. BDTX-189 binds to the ATP-site to inhibit the constitutive dimer in a family of EGFR and HER2 mutations, while at the same time sparing inhibition of the normal wild type EGFR. We have validated the activity for BDTX-189 against the most commonly occurring mutations representing each of these types of mutations (HER2-S310F, HER2-R678Q, HER2-L755S, HER2-V777L, HER2-V842I, the EGFR Exon 20 insertions EGFR-ASV/SVD/NPH/FQEA, the HER2 Exon 20 insertions HER2-YVMA/GSP, the EGFR Exon 19 deletion EGFR-746-750, and EGFR-L858R).



## Our product candidates and development programs

We are leveraging our MAP platform to develop a drug pipeline of orally available, potent and spectrum-selective small molecule kinase inhibitors that target genetic drivers in several cancers. We own worldwide commercial rights to all of our product candidates.

### ***BDTX-189: An inhibitor of non-canonical mutations and additional oncogenic drivers of ErbB***

#### *Overview*

Allosteric ErbB mutations are found in one to two percent of a large variety of solid tumors but are overexpressed in tumors such as advanced NSCLC, invasive breast, bladder and endometrial cancer, where incidence ranges from two to eight percent. Currently available EGFR and HER2 tyrosine kinase inhibitors or monoclonal antibodies have limited or no anti-tumor activity against these genetic alterations due to insufficient potency or lack of selectivity, which results in toxicity before adequate exposures can be achieved. There remains a significant unmet medical need for new drugs that can extend targeted therapies to patients expressing non-canonical mutations outside of the ATP site.

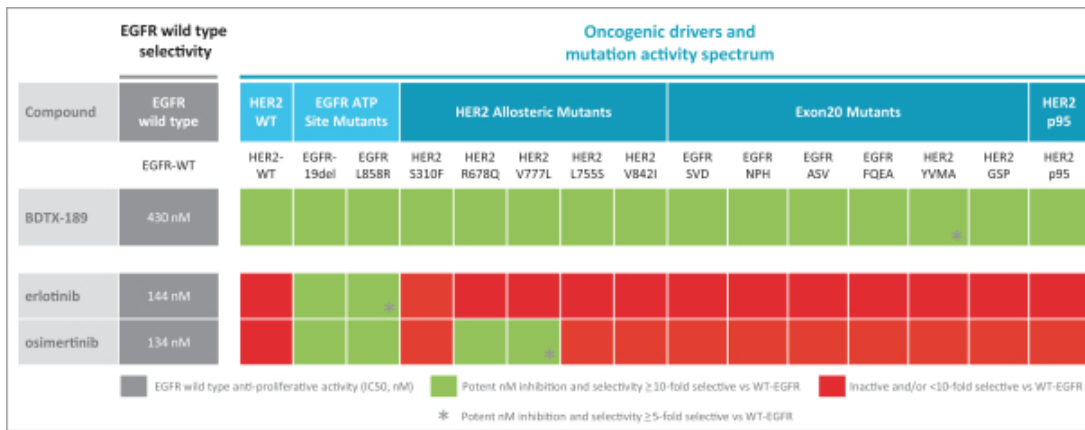
BDTX-189 is designed to be an orally available irreversible, small molecule inhibitor that targets undrugged oncogenic driver mutations of ErbB kinases in HER2 and EGFR. These include extracellular domain allosteric mutations of HER2, as well as EGFR and HER2 kinase domain exon 20 insertions, and additional activating oncogenic drivers of ErbB. Currently, there are no FDA approved drugs that targets all of these mutations with a single small molecule therapy. We submitted our IND for BDTX-189 in November 2019, which was allowed by the FDA on December 13, 2019, and plan to start a combined Phase 1/2 clinical trial in the first half of 2020. As part of our IND-enabling studies for BDTX-189, we conducted GLP safety pharmacological and toxicological studies of BDTX-189 in laboratory animals. We believe that the results of these studies suggest that BDTX-189 has an acceptable safety profile for the conduct of our planned Phase 1/2 trial. The results of these studies have also informed our selection of a starting dose for testing in humans. The Phase 1 portion of the trial is expected to evaluate escalating doses of BDTX-189 and is designed to determine the recommended Phase 2 dose and to assess preliminary indications of anti-tumor activity. The open-label Phase 2 portion is expected to determine the objective response rate, or ORR, and duration of response in patients with solid tumors that have an

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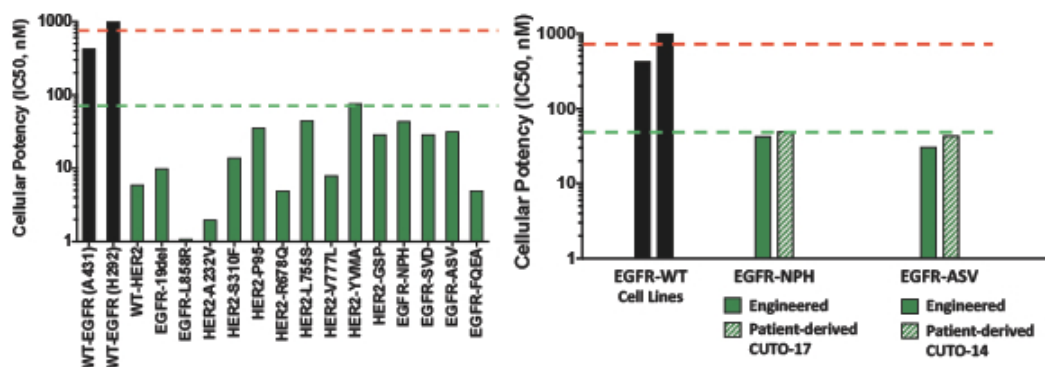
allosteric HER2 mutation, or EGFR or HER2 exon 20 insertion mutation determined using NGS, or next-generation sequencing. Depending on results from the Phase 1/2 trial, we anticipate that, subject to discussions with FDA, we may either expand the Phase 2 portion of the trial or initiate a second Phase 2 trial in order to pursue an accelerated approval, if available, of BDTX-189 for patients with mutations of the ErbB family across one or more solid tumor types as a tumor agnostic indication.

The figure below shows the selectivity pattern for BDTX-189 for non-canonical oncogenic mutations and additional oncogenic drivers of ErbB (with wild type for reference) as well as comparable data for erlotinib and osimertinib (each as determined by measuring 50 percent inhibition, or IC50, values). The data in the figure below were generated through head-to-head comparisons of BDTX-189 to erlotinib and osimertinib. We conducted the head-to-head comparisons by determining the *in vitro* anti-proliferative activity for each molecule against a panel of cell lines, which included BaF3 transformants for various EGFR and HER2 mutations, patient-derived cell lines expressing EGFR mutations and cells expressing either wild type EGFR or wild type HER2. The head-to-head comparisons were conducted under the same experimental conditions for each molecule.

BDTX-189 potently inhibited the proliferation of BaF3 cells transformed by allosteric EGFR mutations and allosteric HER2 mutations when evaluated *in vitro*. BDTX-189 additionally inhibited the proliferation of lung cancer patient-derived cells expressing EGFR exon 20 insertions (CUTO-14 and CUTO-17 cell lines), and human tumor cells expressed amplified wild type HER2 (BT-474 cells). BDTX-189 further inhibited the proliferation of BaF3 cells transformed by EGFR ATP-site mutations, including the EGFR exon 19 deletion E745-750 and EGFR-L858R, and extracellular domain EGFR mutations, including EGFR-Viii, when evaluated *in vitro*. In each case, BDTX-189 inhibits the targeted ErbB mutation more potently than wild type EGFR.



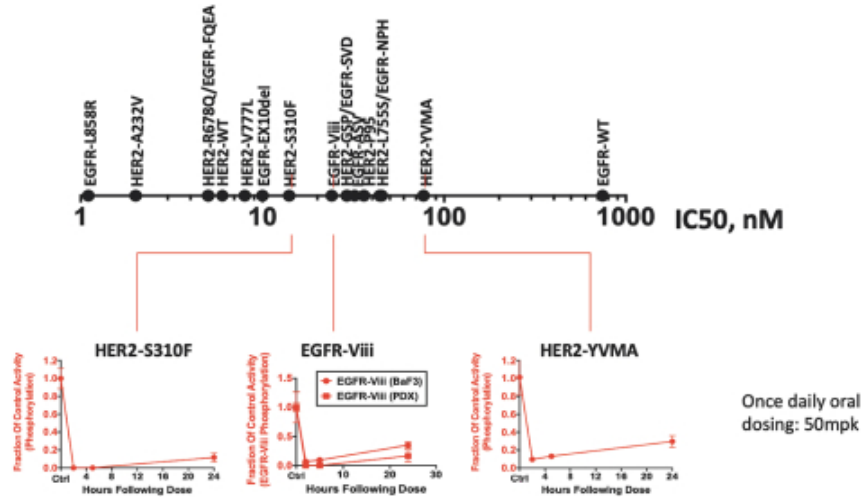
As shown in the figure below, BDTX-189 has been observed to inhibit the proliferation of BaF3 cells transformed by many oncogenic EGFR and HER2 mutants, with selectivity versus cells expressing the normal wild type EGFR (A431 and H292) (left chart). Cellular potency, or anti-proliferative IC50, was determined by measuring the effect of various concentrations on the proliferation of cells over a 72-hour time period. BDTX-189 also inhibited the proliferation of both BaF3 transformants (engineered cell lines) and patient derived cell lines expressing the EGFR Exon 20 insertion mutants EGFR-NPH and EGFR-ASV (right chart).



A favorable therapeutic window over wild type EGFR was a key design goal in the ErbB program. BDTX-189 achieved high selectivity for cells expressing the targeted allosteric EGFR and HER2 mutants and the compound spares cells expressing wild type EGFR (A431 and H292).

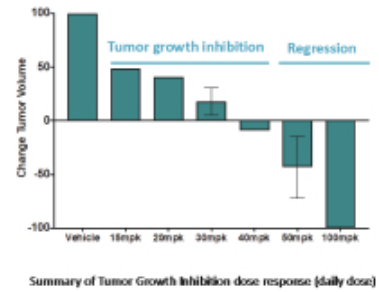
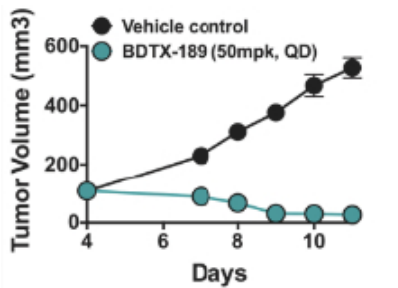
We believe BDTX-189 has an excellent kinome selectivity profile, as determined using the DiscoverX KINOMEScan methodology testing 468 kinases. BDTX-189 exhibited binding affinity for the isolated kinase domains of EGFR and HER2 of less than 1nM. All but eight kinases outside of the ErbB family showed no or very poor binding when BDTX-189 was tested at a single concentration of 100nM, with selectivity estimated to be greater than 125-fold for EGFR selectivity and greater than 30-fold for HER2 selectivity. The selectivity for ErbB kinases versus a small subset of kinases (BLK, BTK, LCK, LOK and MEK5) was determined to be greater than 10-fold. The only kinase that was bound with less than 10-fold selectivity is RIPK2, and this activity is not expected to be dose limiting.

In preclinical animal models, BDTX-189 was observed to have high potency and fast irreversible inactivation of the desired mutations. BDTX-189 displayed a favorable pharmacokinetic profile with fast absorption, good exposure and subsequent swift elimination, together with the drug's rapid irreversible target inhibition. As illustrated in the figures below, BDTX-189 was observed to be well suited to engage and inactivate the allosteric ErbB mutants *in vivo*. In acute dose pharmacokinetic/pharmacodynamic, or PK/PD, studies, oral administration of BDTX-189 to athymic nude mice bearing a range of HER2-S310F, EGFR-Viii (both BaF3 and GBM6 patient derived glioblastoma tumors) or HER2-YVMA BaF3 allograft tumors resulted in potent and sustained suppression of target phosphorylation for at least 24 hours following dosing.



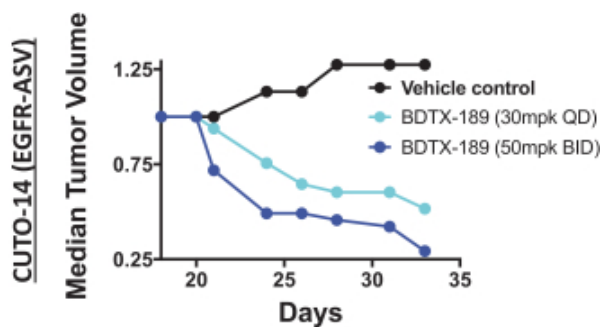
*BDTX-189 inhibits the activity across a range of EGFR and HER2 mutants in vivo (50mpk QD acute oral dosing), including mutants with a range of in vitro IC50 values.*

BDTX-189 has been observed to exhibit anti-tumor activity against allosteric HER2 mutant tumors, evidenced by both potent tumor growth inhibition and regression. Daily dosing of BDTX-189 was well tolerated in athymic nude mice bearing HER2-S310F BaF3 allograft tumors up to 100mg/kg. BDTX-189 demonstrated dose-dependent tumor growth inhibition (median tumor volume) at daily doses ranging from 15 mg/kg to 100 mg/kg. BDTX-189 also demonstrated dose-dependent tumor regression at doses ranging from 30 mg/kg to 100 mg/kg.



We used a PK/PD analysis of the HER2-S310F BaF3 allograft tumor inhibition studies to assess the PK/PD driver for efficacy using different doses and dose regimens to project expected human exposures to be associated with anti-tumor activity.

BDTX-189 has also been observed to exhibit anti-tumor activity in athymic nude mice bearing patient derived xenografts, or PDX, expressing allosteric EGFR exon 20 insertion mutants. BDTX-189, administered at a daily oral dose of 30mpk or 50mpk, demonstrated growth regression of CUTO-14 PDX tumors that express the EGFR mutation EGFR-ASV.



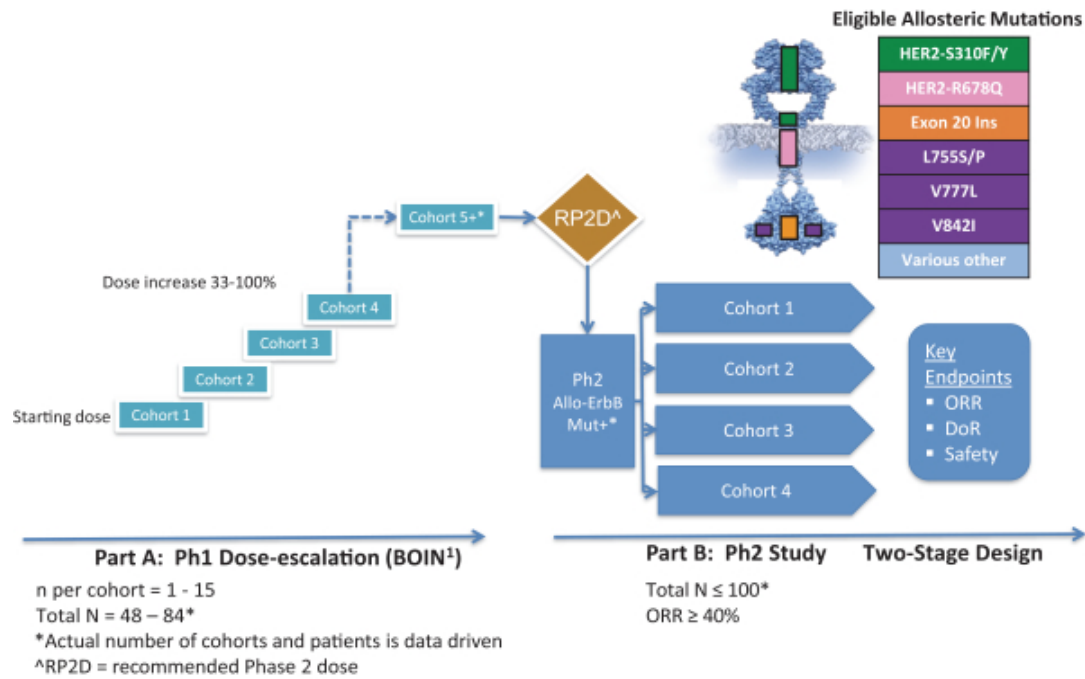
	Dose	% Regression
BDTX-189	50mpk BID	71%
	30mpk QD	48%

*Clinical development plan*

We submitted our IND for BDTX-189 in November 2019, which was allowed by the FDA on December 13, 2019, and plan to start a combined Phase 1/2 clinical trial in the first half of 2020. We intend to pursue a tumor agnostic development strategy. We have designed the initial study to be a combined Phase 1/2 clinical trial which is intended to allow a seamless transition from the Phase 1 dose-escalation portion into a Phase 2 portion to expedite development of this product candidate. The Phase 1 portion is designed to evaluate multiple ascending oral doses of BDTX-189 to assess the safety, tolerability and pharmacokinetic profile in order to determine the recommended Phase 2 dose. We have designed our Phase 1 portion to allow for greater flexibility and precision to determine the appropriate dose for further clinical evaluation. The Phase 1 trial is a two-step process where step one is a single-patient cohort, accelerated dose-escalation process until grade 2 drug-related adverse events are observed. Step 2 is designed to provide the flexibility to enroll three or more patients, which is intended to allow evaluation of drug tolerability as well as enrollment of patients with allosteric ErbB mutations at relevant exposures to evaluate early anti-tumor proof-of-concept. The study is planned to primarily evaluate once daily dosing, but may also assess more frequent dosing schedules, such as twice daily, if the drug pharmacology or patient tolerability suggest this could be a better approach. In the Phase 1 portion, we plan to enroll up to 84 patients with advanced or metastatic solid tumors for whom no standard therapy is available or for whom standard therapy is considered unsuitable or intolerable, as determined by the investigator. In the Phase 1 portion, we plan to enroll patients with solid tumors that have alterations that may be associated with BDTX-189 anti-tumor activity based on preclinical data such as allosteric HER2 or HER3 mutation, EGFR/HER2 exon 20 insertion mutation, HER2 amplified/overexpressing tumor, EGFR exon 19 deletion or L858R mutation. We are targeting completion of the Phase 1 dose-escalation portion by the first half of 2021. Preliminary efficacy data from Phase 1 patients with targeted allosteric mutations may further inform the optimal population for the Phase 2 portion of the trial.

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The open-label Phase 2 portion is expected to enroll up to 100 patients in multiple cohorts with solid tumors that have allosteric HER2 mutations, or EGFR or HER2 exon 20 insertion mutations determined using NGS, or next-generation sequencing. The patient population will already have been treated with standard approved cancer therapies and have either relapsed or failed to respond to those therapies. To be enrolled, patients must also be willing to provide tumor tissue for confirmatory mutation testing in order to facilitate our development of a companion diagnostic test. We expect to enroll a population with a variety of different advanced or metastatic cancers including lung, breast, colon, bladder, endometrial, and many other solid tumors. The planned primary objective of the Phase 2 portion is to determine the anti-tumor activity of BDTX-189 in patients preselected with allosteric ErbB mutations and evaluate this in each of the cohorts.



<sup>1</sup>Yuan et al, *Clin Can Res* 2016; BOIN = Bayesian Optimal Interval

If the combined efficacy data from the Phase 1 and 2 portions of the trial show adequate anti-tumor activity across the mutation spectrum and tumor types, we anticipate that we may either expand the Phase 2 portion or initiate a second Phase 2 trial in order to pursue an accelerated approval path, if available, with the FDA for a tumor agnostic indication similar to the precedent established by Keytruda in MSI-high/dMMR cancers and Vitrakvi or entrectinib, or Rozlytrek, in NTRK fusions cancers. A larger sample size may be needed for some mutations and/or tumor types to achieve this goal. Our regulatory strategy includes periodic dialogue with the FDA regarding the study design, patient population, study endpoint and companion diagnostic strategy for the BDTX-189 development program. For example, we submitted a pre-IND meeting request to FDA and received written feedback from the FDA regarding our nonclinical plan and the proposed patient population, patient selection criteria and study endpoints for the planned Phase 1/2 trial for BDTX-189. We believe that objective response rate, or ORR, and duration of response combined with a favorable safety profile may, subject to discussions with FDA, support filing for accelerated approval provided we can obtain data from a sufficiently large sample size across the mutation spectrum and tumor types. While an accelerated approval path cannot be guaranteed, if we obtain accelerated approval based on the outlined plan, FDA will still require the conduct of a post-approval study to confirm clinical benefit. Should the anti-tumor activity in certain subgroups be

inadequate to support further development, we may not pursue the broader tumor agnostic population and instead limit enrollment to patients with tumor types and/or mutations that appear to derive the greatest clinical benefit. We believe, subject to discussion with FDA, that this may be achieved by either amending the Phase 2 portion of the planned study or opening a separate pivotal Phase 2 study to support accelerated approval. We may also seek Fast Track or Breakthrough Therapy designation by the FDA. We plan on using one of the existing FDA-approved companion diagnostic tests which already include the allosteric ErbB mutations of interest to identify patients or to collaborate with a partner on development of a new test.

BDTX-189 has demonstrated *in vitro* activity against the canonical activating EGFR mutations (exon 19 deletion and L858R mutation), as well as potent HER2 wild-type activity, or HER2-positive. We continue to evaluate BDTX-189's activity in areas where we believe there may be additional opportunities.

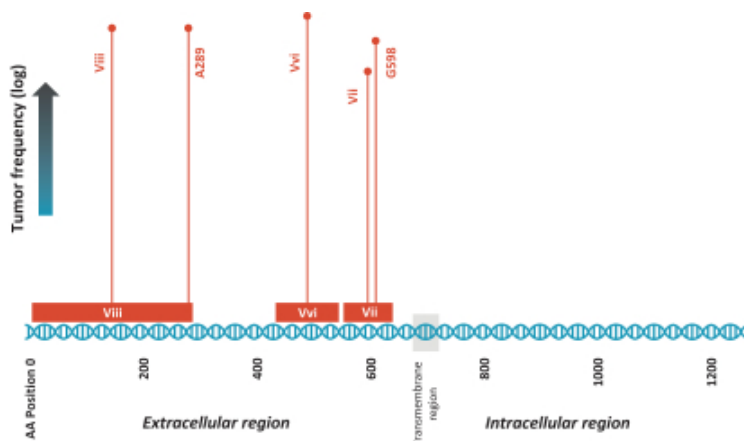
### **Glioblastoma program: Allosteric-EGFR mutation inhibitors**

#### **Overview**

According to the National Cancer Institute, there were an estimated 24,000 new cases of brain cancer in the United States in 2018. Fifteen percent of patients with brain cancer have glioblastoma, a particularly aggressive form, and most of those patients die within 15 months of diagnosis.

Almost 50 percent of glioblastoma tumors express one or more allosteric EGFR mutations that affect the extracellular region of the receptor kinase and promote oncogenic activation. These include large deletions of portions of the extracellular domain, including the mutants EGFR-Viii, EGFR-Vvi, and EGFR-Vii. These also include any one of a number of short variant, single amino acid substitutions affecting the extracellular domain, the most common of which are substitutions at position A289. These mutants are constitutively activated, exhibit sustained signaling that is resistant to downregulation, and are both transforming and tumorigenic. Their expression has been associated with metastasis and with poor long term overall survival.

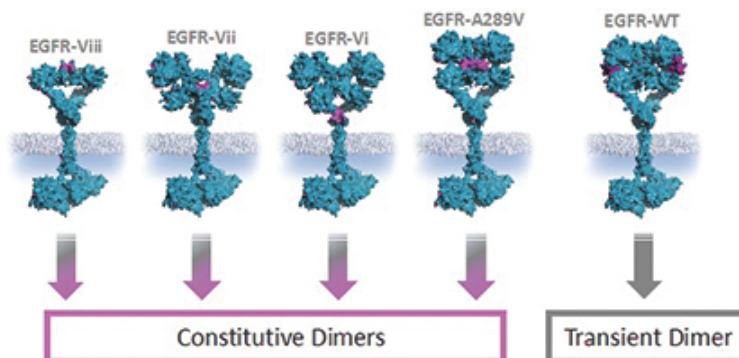
EGFR oncogenic mutations are expressed throughout the target sequence. The figure below shows the frequency for EGFR oncogenic mutations expressed in glioblastoma (EGFR-Viii, EGFR-Vii, EGFR-Vvi, EGFR-G598 mutations, EGFR-A289V mutations) which was calculated as relative frequency within glioblastoma (Brennan et al Cell 2013). Each dot represents a unique oncogenic mutation found in individual tumors and the height of each dot represents the frequency with which it was found. A given glioblastoma tumor may co-express multiple different EGFR oncogenic mutations. Therefore we believe a critical challenge to overcome in drug discovery and clinical development of targeted therapies is to develop precision medicines for GBM to efficiently block the oncogenic activity of all of these various allosteric-EGFR species.





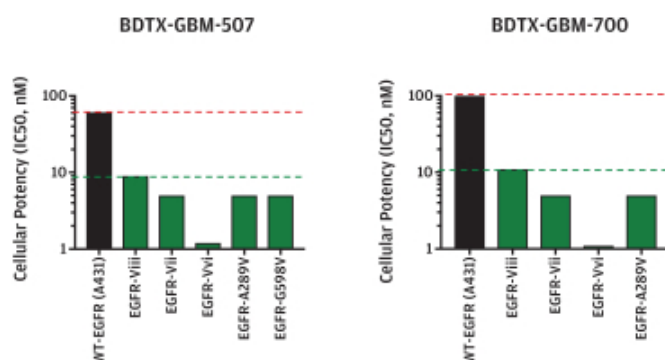
We have shown that the mechanism of activation for these EGFR mutants requires formation of a covalent dimer, which is always active, also known as a constitutive dimer. The formatting of these constitutive dimers is essential for oncogenicity. No current generation EGFR-directed therapy has thus proved effective in treating patients that express these mutations. We believe this is due to (i) inability to inhibit the entire group of allosteric glioblastoma mutations expressed in a given tumor, (ii) the inability to target the constitutive dimer conformation and (iii) poor brain penetration. The figure below illustrates distinct allosteric EGFR oncogenic mutations (EGFR-Viii, EGFR-Vii, EGFR-Vi, EGFR-A289V) that similarly promote a constitutive dimer conformation, which is different from the transient dimer conformation for wild type EGFR. For mutants, the region surrounding each mutation site is highlighted in magenta. For wild type EGFR, bound EGF ligand in shown in dark purple.

**4 unique EGFR mutants share a unifying constitutive dimer conformation**



We have applied our platform and our proprietary chemistry know-how to design and develop potent and selective inhibitors targeting a group of glioblastoma constitutive dimer EGFR mutations described above.

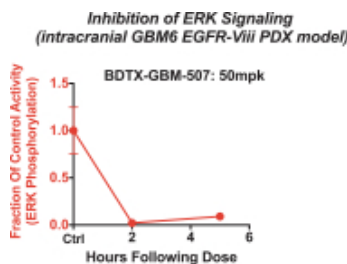
We have identified several orally available, irreversible small molecule inhibitors, including BDTX-GBM-507 and BDTX-GBM-700, as development candidate lead molecules that have been observed to potently inhibit the group of extracellular domain allosteric mutants, as illustrated in the figure below, that form the constitutive dimer conformation. Importantly, these development candidate leads have not been observed to potently inhibit the transient dimer conformation for the wild type EGFR. Our glioblastoma development candidate leads were optimized to achieve brain penetration in preclinical PK studies. For example, a lead compound also demonstrated good brain penetration in mouse PK studies with a favorable total brain-to-plasma ratio.



*BDTX-GBM-507 and BDTX-GBM-700 have been observed in vitro to inhibit the proliferation of BaF3 cells transformed by EGFR mutants expressed in glioblastoma tumors, with selectivity versus cells expressing the normal wild type EGFR (A431 cells). Cellular IC50 values are shown.*

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We evaluated activity of our development candidate leads against glioblastoma EGFR mutants *in vivo*. Acute oral dosing of lead molecule BDTX-GBM-507 in athymic nude mice bearing intracranial patient derived glioblastoma tumors (GBM6) showed effective suppression of ERK phosphorylation.



*BDTX-GBM-507, administered orally at 50mpk to athymic nude mice bearing intracranial GBM6 patient derived xenografts expressing EGFR-Viii, was observed to result in inhibition of ERK signaling in tumor.*

We are completing preclinical characterization our glioblastoma candidate leads and plan to nominate a development candidate in 2020.

## Early-stage programs

We are applying our MAP platform to the analysis of the mutation landscape of more than 300 genes, including 92 kinases within Foundation Medicine's FoundationOne CDx test panel. Of these 92 kinases, we applied our MAP scoring algorithm to six kinases, including all ErbB family members, other RTKs (FGFR3) and a non-receptor kinase (BRAF). We are advancing several early programs focused on targeting a range of driver mutations, including allosteric activating mutations. We believe these general principles also apply to targets associated with diseases outside of oncology. We are currently evaluating additional groups of targets, including allosteric FGFR3 mutations and allosteric BRAF mutations, among others, for drug discovery. As part of our on-going efforts to leverage our know-how regarding mutations in the ErbB family, we also continue to investigate novel potent and selective compounds directed against this family of targets.

## Our collaboration with Ridgeline Therapeutics

During our initial years of operation, we built and conducted our research and development activities via a collaborative model with Ridgeline Therapeutics GmbH, or Ridgeline, a wholly-owned subsidiary of Versant Ventures, our largest shareholder. Ridgeline is a company incubator and discovery engine of Versant focused on providing drug discovery expertise. By leveraging Ridgeline's deep experience in the areas of discovery, drug design and medicinal chemistry together with our biology expertise, we were able to accelerate the discovery and development of spectrum selective and highly potent small molecule inhibitors targeting the oncogenic driver mutations in our lead programs. Alexander Mayweg, one of our founders and a member of our board of directors, is a managing director of Ridgeline and a partner of Versant, and Fang Ni, our former interim Chief Business Officer, is a principal of Versant.

We entered into a services agreement with Ridgeline in March 2017, amended in November 2017 and December 2018. BDTX-189, our lead product candidate for which we submitted an IND in November 2019, which was allowed by the FDA on December 13, 2019, as well as the lead compounds for our glioblastoma program have been developed under this collaboration with Ridgeline. All results, inventions, and products and any related intellectual property arising from services provided by Ridgeline are owned by us. In consideration for the services provided under the agreement, we pay Ridgeline \$950,000 a month, which is reconciled on a quarterly basis with actual expenses incurred by Ridgeline on our behalf and a corresponding reconciling payment is

made by us to (or received by us from) Ridgeline each quarter. Certain executives and employees of Ridgeline have also received equity grants from the Company. No milestone or royalty payments are owed to Ridgeline. The Ridgeline services agreement has a one-year term and automatically renews for successive one-year terms unless either we or Ridgeline elect to terminate the agreement.

During 2019 we continued to build our internal chemistry, manufacturing and controls, biology and preclinical development capabilities through key additional hires to assume activities conducted by Ridgeline on our behalf and expect to transition from our current service model to a more limited consulting arrangement with Ridgeline in 2020.

## Competition

Our industry is intensely competitive and subject to rapid and significant technological change. While we believe that our knowledge, experience and scientific resources provide us with competitive advantages, we face substantial competition from major pharmaceutical companies and biotechnology companies worldwide. Many of our competitors have significantly greater financial, technical and human resources. Smaller and early-stage companies may also prove to be significant competitors, particularly through collaborative arrangements with large and established companies. As a result, our competitors may discover, develop, license or commercialize products before or more successfully than we do.

We face competition with respect to our current product candidates, and will face competition with respect to future product candidates, from segments of the pharmaceutical, biotechnology and other related markets that pursue targeted therapies for patients with undrugged, genetically-defined cancers. For example, a number of biopharmaceutical companies, including Loxo Oncology, Inc. (recently acquired by Eli Lilly and Company), Blueprint Medicines Corporation, Spectrum Pharmaceuticals, Inc., Deciphera Pharmaceuticals, Inc., Turning Point Therapeutics, Inc. and Mirati Therapeutics, Inc., are developing precision medicines. If BDTX-189 or our future product candidates do not offer sustainable advantages over competing products, we may otherwise not be able to successfully compete against current and future competitors.

Our competitors may obtain regulatory approval of their products more rapidly than we may or may obtain patent protection or other intellectual property rights that limit our ability to develop or commercialize our product candidates. Our competitors may also develop drugs that are more effective, more convenient, more widely used and less costly or have a better safety profile than our products and these competitors may also be more successful than us in manufacturing and marketing their products.

In addition, we will likely need to develop our product candidates in collaboration with diagnostic companies, and we will face competition from other companies in establishing these collaborations. Our competitors will also compete with us in recruiting and retaining qualified scientific, management and commercial personnel, establishing clinical trial sites and patient registration for clinical trials, as well as in acquiring technologies complementary to, or necessary for, our programs.

Furthermore, we also face competition more broadly across the market for cost-effective and reimbursable cancer treatments. The most common methods of treating patients with cancer are surgery, radiation and drug therapy, including chemotherapy, hormone therapy and targeted drug therapy or a combination of such methods. There are a variety of available drug therapies marketed for cancer. In many cases, these drugs are administered in combination to enhance efficacy. While our product candidates, if any are approved, may compete with these existing drug and other therapies, to the extent they are ultimately used in combination with or as an adjunct to these therapies, our product candidates may not be competitive with them. Some of these drugs are branded and subject to patent protection, and others are available on a generic basis. Insurers and other third-party payors may also encourage the use of generic products or specific branded products. We expect that if our product candidates are approved, they will be priced at a significant premium over

competitive generic, including branded generic, products. As a result, obtaining market acceptance of, and a gaining significant share of the market for, any of our product candidates that we successfully introduce to the market will pose challenges. In addition, many companies are developing new therapeutics, and we cannot predict what the standard of care will be as our product candidates progress through clinical development.

The acquisition or licensing of pharmaceutical products is also very competitive. If we seek to acquire or license products, we will face substantial competition from a number of more established companies, some of which have acknowledged strategies to license or acquire products and many of which are bigger than us and have more institutional experience and greater cash flows than we have. These more established companies may have competitive advantages over us, as may other emerging companies taking similar or different approaches to product licenses and/or acquisitions. In addition, a number of established research-based pharmaceutical and biotechnology companies may acquire products in late stages of development to augment their internal product lines, which may provide those companies with an even greater competitive advantage.

## **Manufacturing**

We do not have any manufacturing facilities or personnel. We currently rely, and expect to continue to rely, on third parties for the manufacture of our product candidates undergoing preclinical testing, as well as for clinical testing and commercial manufacture if our product candidates receive marketing approval.

All of our drug candidates are small molecules and are manufactured in synthetic processes from available starting materials. The chemistry appears amenable to scale up and does not currently require unusual equipment in the manufacturing process. We expect to continue to develop product candidates that can be produced cost-effectively at contract manufacturing facilities.

We generally expect to rely on third parties for the manufacture of companion diagnostics for our products, which are assays or tests to identify an appropriate patient population. Depending on the technology solutions we choose, we may rely on multiple third parties to manufacture and sell a single test.

## **Commercialization**

Subject to receiving marketing approvals, we expect to commence commercialization activities by building a focused sales and marketing organization in the United States to sell our products. We believe that such an organization will be able to address the community of oncologists who are the key specialists in treating the patient populations for which our product candidates are being developed. Outside the United States, we expect to enter into distribution and other marketing arrangements with third parties for any of our product candidates that obtain marketing approval.

We also plan to build a marketing and sales management organization to create and implement marketing strategies for any products that we market through our own sales organization and to oversee and support our sales force. The responsibilities of the marketing organization would include developing educational initiatives with respect to approved products and establishing relationships with researchers and practitioners in relevant fields of medicine.

## **Intellectual property**

We seek to protect the intellectual property and proprietary technology that we consider important to our business, including by pursuing patent applications that cover our product candidates and methods of using the same, as well as any other relevant inventions and improvements that are considered commercially important to the development of our business. We also rely on trade secrets, know-how and continuing technological innovation to develop and maintain our proprietary and intellectual property position. Our commercial success depends, in part, on our ability to obtain, maintain, enforce and protect our intellectual property and other

proprietary rights for the technology, inventions and improvements we consider important to our business, and to defend any patents we may own or in-license in the future, prevent others from infringing any patents we may own or in-license in the future, preserve the confidentiality of our trade secrets, and operate without infringing, misappropriating or otherwise violating the valid and enforceable patents and proprietary rights of third parties.

As with other biotechnology and pharmaceutical companies, our ability to maintain and solidify our proprietary and intellectual property position for our product candidates and technologies will depend on our success in obtaining effective patent claims and enforcing those claims if granted. However, our pending provisional and PCT patent applications, and any patent applications that we may in the future file or license from third parties, may not result in the issuance of patents and any issued patents we may obtain do not guarantee us the right to practice our technology in relation to the commercialization of our products. We also cannot predict the breadth of claims that may be allowed or enforced in any patents we may own or in-license in the future. Any issued patents that we may own or in-license in the future may be challenged, invalidated, circumvented or have the scope of their claims narrowed. For example, we cannot be certain of the priority of inventions covered by pending third-party patent applications. If third parties prepare and file patent applications in the United States that also claim technology or therapeutics to which we have rights, we may have to participate in interference proceedings in the USPTO to determine priority of invention, which could result in substantial costs to us, even if the eventual outcome is favorable to us, which is highly unpredictable. In addition, because of the extensive time required for clinical development and regulatory review of a product candidate we may develop, it is possible that, before any of our product candidates can be commercialized, any related patent may expire or remain in force for only a short period following commercialization, thereby limiting the protection such patent would afford the respective product and any competitive advantage such patent may provide.

The term of individual patents depends upon the date of filing of the patent application, the date of patent issuance and the legal term of patents in the countries in which they are obtained. In most countries, including the United States, the patent term is 20 years from the earliest filing date of a non-provisional patent application. In the United States, a patent's term may be lengthened by patent term adjustment, which compensates a patentee for administrative delays by the USPTO in examining and granting a patent, or may be shortened if a patent is terminally disclaimed over an earlier filed patent. The term of a patent claiming a new drug product may also be eligible for a limited patent term extension when FDA approval is granted, provided statutory and regulatory requirements are met. The restoration period granted on a patent covering a product is typically one-half the time between the effective date of a clinical investigation involving human beings is begun and the submission date of an application, plus the time between the submission date of an application and the ultimate approval date. The restoration period cannot be longer than five years and the total patent term, including the restoration period, must not exceed 14 years following FDA approval. Only one patent applicable to an approved product is eligible for the extension, and only those claims covering the approved product, a method for using it, or a method for manufacturing it may be extended. Additionally, the application for the extension must be submitted prior to the expiration of the patent in question. A patent that covers multiple products for which approval is sought can only be extended in connection with one of the approvals. The United States Patent and Trademark Office reviews and approves the application for any patent term extension or restoration in consultation with the FDA. In the future, if our product candidates receive approval by the FDA, we expect to apply for patent term extensions on any issued patents covering those products, depending upon the length of the clinical studies for each product and other factors. There can be no assurance that our pending provisional or PCT patent applications will issue or that we will benefit from any patent term extension or favorable adjustments to the terms of any patents we may own or in-license in the future. In addition, the actual protection afforded by a patent varies on a product-by-product basis, from country-to-country, and depends upon many factors, including the type of patent, the scope of its coverage, the availability of regulatory-related extensions, the availability of legal remedies in a particular country and the

validity and enforceability of the patent. Patent term may be inadequate to protect our competitive position on our products for an adequate amount of time.

As of January 3, 2020, we own five U.S. provisional patent applications and two Patent Cooperation Treaty, or PCT, patent applications. We currently do not own or in-license any issued patents or non-provisional patent applications with respect to BDTX-189, our MAP platform or our Glioblastoma program, and our intellectual property portfolio is in its very early stages. We do not currently own or in-license any issued patents or provisional or non-provisional patent applications covering our other product candidates or technology.

#### *BDTX-189*

As of January 3, 2020, we own one PCT patent application that covers the composition of matter for BDTX-189, as well as methods of using and making BDTX-189. Any U.S. or foreign patent issued from this PCT patent application would be scheduled to expire in 2039, excluding any additional term for patent term adjustment or patent term extension, and assuming national phase entries are timely made based upon the pending PCT application and payment of all applicable maintenance or annuity fees.

#### *MAP platform*

As of January 3, 2020, we own one U.S. provisional patent application that covers our MAP platform and the use thereof in developing and applying therapeutics. We are continuing to assess whether we will convert this U.S. provisional patent application into a non-provisional patent application and ultimately seek patent protection for our MAP platform, or instead maintain the intellectual property described in this provisional patent application as a trade secret. Any U.S. or foreign patent issued from this U.S. provisional patent application would be scheduled to expire in 2040, excluding any additional term for patent term adjustment or patent term extension.

#### *Glioblastoma program*

As of January 3, 2020, we own two U.S. provisional patent applications that cover our glioblastoma program, which are directed to the composition of matter for the drug candidates of the program, analogs thereof, as well as methods of using and making these compounds. Any U.S. or foreign patent issued from these U.S. provisional patent applications would be scheduled to expire in 2040, excluding any additional term for patent term adjustment or patent term extension.

Prosecution for these patent applications has not commenced and will not commence unless and until they are timely converted into U.S. non-provisional or national stage applications. Prosecution is a lengthy process, during which the scope of the claims initially submitted for examination by the USPTO are often significantly narrowed by the time they issue, if they issue at all. Any U.S. or foreign patent issuing from these provisional or PCT patent applications (if timely converted to U.S. non-provisional or foreign patent applications and such non-provisional or foreign applications are granted as issued patents), would be scheduled to expire in 2039 or 2040, excluding any additional term for patent term adjustment or patent term extension, and assuming national phase entries are timely made based upon the pending PCT application and payment of all applicable maintenance or annuity fees. Any of our pending PCT patent applications are not eligible to become issued patents until, among other things, we file national stage patent applications within 30 months in the countries in which we seek patent protection. If we do not timely file any national stage patent applications, we may lose our priority date with respect to our PCT patent applications and any patent protection on the inventions disclosed in such PCT patent applications. Our provisional patent applications may never result in issued patents and are not eligible to become issued patents until, among other things, we file a non-provisional patent application within 12 months of filing the related provisional patent application. If we do not timely file non-provisional patent applications, we may lose our priority date with respect to our provisional patent

applications and any patent protection on the inventions disclosed in our provisional patent applications. While we intend to timely file non-provisional and national stage patent applications relating to our provisional and PCT patent applications, we cannot predict whether any of our future patent applications for BDTX-189 or any of our other product candidates or technology will result in the issuance of patents that effectively protect BDTX-189 or our other product candidates or technology. If we do not successfully obtain patent protection, or, even if we do obtain patent protection, if the scope of the patent protection we or our potential licensors obtain with respect to BDTX-189 or our other product candidates or technology is not sufficiently broad, we will be unable to prevent others from using our technology or from developing or commercializing technology and products similar or identical to ours or other competing products and technologies. For more information regarding the risks related to our intellectual property, please see “Risk Factors—Risks Related to our Intellectual Property.”

In addition to patent applications, we rely on unpatented trade secrets, know-how and continuing technological innovation to develop and maintain our competitive position. However, trade secrets and confidential know-how are difficult to protect. In particular, we anticipate that with respect to the building of our compound library, our trade secrets and know-how will over time be disseminated within the industry through independent development and public presentations describing the methodology. We seek to protect our proprietary information, in part, by executing confidentiality agreements with our collaborators and scientific advisors and non-competition, non-solicitation, confidentiality and invention assignment agreements with our employees and consultants. We have also executed agreements requiring assignment of inventions with selected consultants, scientific advisors and collaborators. The confidentiality agreements we enter into are designed to protect our proprietary information and the agreements or clauses requiring assignment of inventions to us are designed to grant us ownership of technologies that are developed through our relationship with the respective counterparty. We cannot guarantee that we will have executed such agreements with all applicable employees and contractors, or that these agreements will afford us adequate protection of our intellectual property and proprietary information rights. In addition, our trade secrets and/or confidential know-how may become known or be independently developed by a third party, or misused by any collaborator to whom we disclose such information. These agreements may also be breached, and we may not have an adequate remedy for any such breach. Despite any measures taken to protect our intellectual property, unauthorized parties may attempt to copy aspects of our products or to obtain or use information that we regard as proprietary. Although we take steps to protect our proprietary information, third parties may independently develop the same or similar proprietary information or may otherwise gain access to our proprietary information. As a result, we may be unable to meaningfully protect our trade secrets and proprietary information. For more information regarding the risks related to our intellectual property, please see “Risk Factors—Risks Related to our Intellectual Property.”

## **Government regulation**

The FDA and other regulatory authorities at federal, state and local levels, as well as in foreign countries, extensively regulate, among other things, the research, development, testing, manufacture, quality control, import, export, safety, effectiveness, labeling, packaging, storage, distribution, record keeping, approval, advertising, promotion, marketing, post-approval monitoring and post-approval reporting of drugs. We, along with our vendors, contract research organizations and contract manufacturers, will be required to navigate the various preclinical, clinical, manufacturing and commercial approval requirements of the governing regulatory agencies of the countries in which we wish to conduct studies or seek approval of our product candidates. The process of obtaining regulatory approvals of drugs and ensuring subsequent compliance with appropriate federal, state, local and foreign statutes and regulations requires the expenditure of substantial time and financial resources.

In the United States, where we are initially focusing our drug development, the FDA regulates drug products under the FD&C Act, its implementing regulations and other laws. Our product candidates are early-stage and



none of our product candidates has been approved by the FDA for marketing in the United States. If we fail to comply with applicable FDA or other requirements at any time with respect to product development, clinical testing, approval or any other legal requirements relating to product manufacture, processing, handling, storage, quality control, safety, marketing, advertising, promotion, packaging, labeling, export, import, distribution, or sale, we may become subject to administrative or judicial sanctions or other legal consequences. These sanctions or consequences could include, among other things, the FDA's refusal to approve pending applications, issuance of clinical holds for ongoing studies, suspension or revocation of approved applications, warning or untitled letters, product withdrawals or recalls, product seizures, relabeling or repackaging, total or partial suspensions of manufacturing or distribution, injunctions, fines, civil penalties or criminal prosecution.

The process required by the FDA before our product candidates are approved as drugs for therapeutic indications and may be marketed in the United States generally involves the following:

- completion of extensive preclinical studies in accordance with applicable regulations, including studies conducted in accordance with GLP requirements;
- submission to the FDA of an IND application, which must become effective before clinical trials may begin;
- approval by an IRB or independent ethics committee at each clinical trial site before each trial may be initiated;
- performance of adequate and well-controlled clinical trials in accordance with applicable IND regulations, GCP requirements and other clinical trial-related regulations to establish the safety and efficacy of the investigational product for each proposed indication;
- submission to the FDA of an NDA;
- a determination by the FDA within 60 days of its receipt of an NDA, to accept the filing for review;
- satisfactory completion of one or more FDA pre-approval inspections of the manufacturing facility or facilities where the drug will be produced to assess compliance with cGMP requirements to assure that the facilities, methods and controls are adequate to preserve the drug's identity, strength, quality and purity;
- potential FDA audit of the clinical trial sites that generated the data in support of the NDA;
- payment of user fees for FDA review of the NDA;
- FDA review and approval of the NDA, including consideration of the views of any FDA advisory committee, prior to any commercial marketing or sale of the drug in the United States; and

The testing and approval process requires substantial time, effort and financial resources, and we cannot be certain that any approvals for our product candidates will be granted on a timely basis, if at all.

#### ***Preclinical and clinical trials for drugs***

Before testing any drug in humans, the product candidate must undergo rigorous preclinical testing. Preclinical studies include laboratory evaluations of drug chemistry, formulation and stability, as well as *in vitro* and animal studies to assess safety and in some cases to establish the rationale for therapeutic use. The conduct of preclinical studies is subject to federal and state regulations and requirements, including GLP requirements for safety/toxicology studies. The results of the preclinical studies, together with manufacturing information and analytical data must be submitted to the FDA as part of an IND. An IND is a request for authorization from the FDA to administer an investigational product to humans, and must become effective before clinical trials may begin. Some long-term preclinical testing may continue after the IND is submitted. The IND automatically



becomes effective 30 days after receipt by the FDA, unless the FDA, within the 30-day time period, raises concerns or questions about the conduct of the clinical trial, including concerns that human research subjects will be exposed to unreasonable health risks, and imposes a clinical hold. In such a case, the IND sponsor and the FDA must resolve any outstanding concerns before the clinical trial can begin. Submission of an IND may result in the FDA not allowing clinical trials to commence or not allowing clinical trials to commence on the terms originally specified in the IND. A separate submission to an existing IND must also be made for each successive clinical trial conducted during product development of a product candidate, and the FDA must grant permission, either explicitly or implicitly by not objecting, before each clinical trial can begin.

The clinical stage of development involves the administration of the product candidate to healthy volunteers or patients under the supervision of qualified investigators, generally physicians not employed by or under the trial sponsor's control, in accordance with GCP requirements, which include the requirements that all research subjects provide their informed consent for their participation in any clinical trial. Clinical trials are conducted under protocols detailing, among other things, the objectives of the clinical trial, dosing procedures, subject selection and exclusion criteria and the parameters and criteria to be used in monitoring safety and evaluating effectiveness. Each protocol, and any subsequent amendments to the protocol, must be submitted to the FDA as part of the IND. Furthermore, each clinical trial must be reviewed and approved by an IRB for each institution at which the clinical trial will be conducted to ensure that the risks to individuals participating in the clinical trials are minimized and are reasonable related to the anticipated benefits. The IRB also approves the informed consent form that must be provided to each clinical trial subject or his or her legal representative, and must monitor the clinical trial until completed. The FDA, the IRB, or the sponsor may suspend or discontinue a clinical trial at any time on various grounds, including a finding that the subjects are being exposed to an unacceptable health risk. There also are requirements governing the reporting of ongoing clinical trials and completed clinical trials to public registries. Information about clinical trials, including clinical trials results, must be submitted within specific timeframes for publication on the [www.clinicaltrials.gov](http://www.clinicaltrials.gov) website.

While we plan to conduct any international clinical trials under our INDs we obtain with the FDA in the future, a sponsor who wishes to conduct a clinical trial outside of the United States may, but need not, obtain FDA authorization to conduct the clinical trial under an IND. If a foreign clinical trial is not conducted under an IND, the sponsor must submit data from the clinical trial to the FDA in support of an NDA. The FDA will accept a well-designed and well-conducted foreign clinical study not conducted under an IND if the study was conducted in accordance with GCP requirements, and the FDA is able to validate the data through an onsite inspection if deemed necessary.

Clinical trials to evaluate therapeutic indications to support NDAs for marketing approval are typically conducted in three sequential phases, which may overlap.

- *Phase 1*—Phase 1 clinical trials involve initial introduction of the investigational product into healthy human volunteers or patients with the target disease or condition. These studies are typically designed to test the safety, dosage tolerance, absorption, metabolism and distribution of the investigational product in humans, excretion the side effects associated with increasing doses, and, if possible, to gain early evidence of effectiveness.
- *Phase 2*—Phase 2 clinical trials typically involve administration of the investigational product to a limited patient population with a specified disease or condition to evaluate the preliminary efficacy, optimal dosages and dosing schedule and to identify possible adverse side effects and safety risks.
- *Phase 3*—Phase 3 clinical trials typically involve administration of the investigational product to an expanded patient population to further evaluate dosage, to provide statistically significant evidence of clinical efficacy and to further test for safety, generally at multiple geographically dispersed clinical trial sites. These clinical trials are intended to establish the overall risk/benefit ratio of the investigational product and to provide an adequate basis for product approval and physician labeling.

In August 2018, the FDA released a draft guidance entitled “Expansion Cohorts: Use in First-In-Human Clinical Trials to Expedite Development of Oncology Drugs and Biologics,” which outlines how drug developers can utilize an adaptive trial design commonly referred to as a seamless trial design in early stages of oncology drug development (i.e., the first-in-human clinical trial) to compress the traditional three phases of trials into one continuous trial called an expansion cohort trial. Information to support the design of individual expansion cohorts are included in IND applications and assessed by FDA. Expansion cohort trials can potentially bring efficiency to drug development and reduce developmental costs and time.

Post-approval trials, sometimes referred to as Phase 4 clinical trials, may be conducted after initial marketing approval. These trials are used to gain additional experience from the treatment of patients in the intended therapeutic indication and are commonly intended to generate additional safety data regarding use of the product in a clinical setting. In certain instances, the FDA may mandate the performance of Phase 4 clinical trials as a condition of approval of an NDA.

Progress reports detailing the results of the clinical trials, among other information, must be submitted at least annually to the FDA and written IND safety reports must be submitted to the FDA and the investigators fifteen days after the trial sponsor determines the information qualifies for reporting for serious and unexpected suspected adverse events, findings from other studies or animal or *in vitro* testing that suggest a significant risk for human volunteers and any clinically important increase in the rate of a serious suspected adverse reaction over that listed in the protocol or investigator brochure. The sponsor must also notify the FDA of any unexpected fatal or life-threatening suspected adverse reaction as soon as possible but in no case later than seven calendar days after the sponsor’s initial receipt of the information.

Concurrent with clinical trials, companies usually complete additional animal studies and must also develop additional information about the chemistry and physical characteristics of the product candidate and finalize a process for manufacturing the drug product in commercial quantities in accordance with cGMP requirements. The manufacturing process must be capable of consistently producing quality batches of the product candidate and manufacturers must develop, among other things, methods for testing the identity, strength, quality and purity of the final drug product. Additionally, appropriate packaging must be selected and tested, and stability studies must be conducted to demonstrate that the product candidate does not undergo unacceptable deterioration over its shelf life.

### ***U.S. marketing approval for drugs***

Assuming successful completion of the required clinical testing, the results of the preclinical studies and clinical trials, together with detailed information relating to the product’s chemistry, manufacture, controls and proposed labeling, among other things, are submitted to the FDA as part of an NDA requesting approval to market the product for one or more indications. An NDA is a request for approval to market a new drug for one or more specified indications and must contain proof of the drug’s safety and efficacy. The marketing application may include both negative and ambiguous results of preclinical studies and clinical trials, as well as positive findings. Data may come from company-sponsored clinical trials intended to test the safety and efficacy of a product’s use or from a number of alternative sources, including studies initiated by investigators. To support marketing approval, the data submitted must be sufficient in quality and quantity to establish the safety and efficacy of the investigational product to the satisfaction of the FDA. FDA approval of an NDA must be obtained before a drug may be marketed in the United States.

The FDA reviews all submitted NDAs before it accepts them for filing, and may request additional information rather than accepting the NDA for filing. The FDA must make a decision on accepting an NDA for filing within 60 days of receipt, and such decision could include a refusal to file by the FDA. Once the submission is accepted for filing, the FDA begins an in-depth substantive review of the NDA. The FDA reviews an NDA to determine, among other things, whether the drug is safe and effective and whether the facility in which it is manufactured,

processed, packaged or held meets standards designed to assure the product's continued safety, quality and purity. Under the goals and polices agreed to by the FDA under the Prescription Drug User Fee Act, or PDUFA, the FDA targets ten months, from the filing date, in which to complete its initial review of a new molecular entity NDA and respond to the applicant, and six months from the filing date of a new molecular entity NDA for priority review. The FDA does not always meet its PDUFA goal dates for standard or priority NDAs, and the review process is often extended by FDA requests for additional information or clarification.

Further, under PDUFA, as amended, each NDA must be accompanied by a user fee. FDA adjusts the PDUFA user fees on an annual basis. Fee waivers or reductions are available in certain circumstances, including a waiver of the application fee for the first application filed by a small business. Additionally, no user fees are assessed on NDAs for products designated as orphan drugs, unless the product also includes a non-orphan indication.

The FDA also may require submission of a REMS plan to ensure that the benefits of the drug outweigh its risks. The REMS plan could include medication guides, physician communication plans, assessment plans, and/or elements to assure safe use, such as restricted distribution methods, patient registries, or other risk-minimization tools.

The FDA may refer an application for a novel drug to an advisory committee. An advisory committee is a panel of independent experts, including clinicians and other scientific experts, which reviews, evaluates and provides a recommendation as to whether the application should be approved and under what conditions. The FDA is not bound by the recommendations of an advisory committee, but it considers such recommendations carefully when making decisions.

Before approving an NDA, the FDA typically will inspect the facility or facilities where the product is manufactured. The FDA will not approve an application unless it determines that the manufacturing processes and facilities are in compliance with cGMP requirements and adequate to assure consistent production of the Sponsor product within required specifications. Additionally, before approving an NDA, the FDA may inspect one or more clinical trial sites to assure compliance with GCP and other requirements and the integrity of the clinical data submitted to the FDA.

After evaluating the NDA and all related information, including the advisory committee recommendation, if any, and inspection reports regarding the manufacturing facilities and clinical trial sites, the FDA may issue an approval letter, or, in some cases, a complete response letter. A complete response letter generally contains a statement of specific conditions that must be met in order to secure final approval of the NDA and may require additional clinical or preclinical testing in order for the FDA to reconsider the application. Even with submission of this additional information, the FDA ultimately may decide that the application does not satisfy the regulatory criteria for approval. If and when those conditions have been met to the FDA's satisfaction, the FDA will typically issue an approval letter. An approval letter authorizes commercial marketing of the drug with specific prescribing information for specific indications.

Even if the FDA approves a product, depending on the specific risk(s) to be addressed it may limit the approved indications for use of the product, require that contraindications, warnings or precautions be included in the product labeling, require that post-approval studies, including Phase 4 clinical trials, be conducted to further assess a drug's safety after approval, require testing and surveillance programs to monitor the product after commercialization, or impose other conditions, including distribution and use restrictions or other risk management mechanisms under a REMS, which can materially affect the potential market and profitability of the product. The FDA may prevent or limit further marketing of a product based on the results of post-marketing studies or surveillance programs. After approval, some types of changes to the approved product, such as adding new indications, manufacturing changes, and additional labeling claims, are subject to further testing requirements and FDA review and approval.

### ***Orphan drug designation and exclusivity***

Under the Orphan Drug Act, the FDA may grant orphan designation to a drug intended to treat a rare disease or condition, which is a disease or condition that affects fewer than 200,000 individuals in the United States, or if it affects more than 200,000 individuals in the United States, there is no reasonable expectation that the cost of developing and making the product available in the United States for the disease or condition will be recovered from sales of the product. Orphan designation must be requested before submitting an NDA. Orphan designation does not convey any advantage in or shorten the duration of the regulatory review and approval process, though companies developing orphan products are eligible for certain incentives, including tax credits for qualified clinical testing and waiver of application fees.

If a product that has orphan designation subsequently receives the first FDA approval for the disease or condition for which it has such designation, the product is entitled to a seven-year period of marketing exclusivity during which the FDA may not approve any other applications to market the same therapeutic agent for the same indication, except in limited circumstances, such as a subsequent product's showing of clinical superiority over the product with orphan exclusivity or where the original applicant cannot produce sufficient quantities of product. Competitors, however, may receive approval of different therapeutic agents for the indication for which the orphan product has exclusivity or obtain approval for the same therapeutic agent for a different indication than that for which the orphan product has exclusivity. Orphan product exclusivity could block the approval of one of our products for seven years if a competitor obtains approval for the same therapeutic agent for the same indication before we do, unless we are able to demonstrate that our product is clinically superior. If an orphan designated product receives marketing approval for an indication broader than what is designated, it may not be entitled to orphan exclusivity. Further, orphan drug exclusive marketing rights in the United States may be lost if the FDA later determines that the request for designation was materially defective or the manufacturer of the approved product is unable to assure sufficient quantities of the product to meet the needs of patients with the rare disease or condition.

### ***Rare pediatric disease designation and priority review vouchers***

Under the FD&C Act, the FDA incentivizes the development of drugs that meet the definition of a "rare pediatric disease," defined to mean a serious or life-threatening disease in which the serious or life-threatening manifestations primarily affect individuals aged from birth to 18 years and the disease affects fewer than 200,000 individuals in the United States or affects more than 200,000 in the United States and for which there is no reasonable expectation that the cost of developing and making in the United States a drug for such disease or condition will be received from sales in the United States of such drug. The sponsor of a product candidate for a rare pediatric disease may be eligible for a voucher that can be used to obtain a priority review for a subsequent human drug application after the date of approval of the rare pediatric disease drug product, referred to as a priority review voucher, or PRV. A sponsor may request rare pediatric disease designation from the FDA prior to the submission of its NDA. A rare pediatric disease designation does not guarantee that a sponsor will receive a PRV upon approval of its NDA. Moreover, a sponsor who chooses not to submit a rare pediatric disease designation request may nonetheless receive a PRV upon approval of their marketing application if they request such a voucher in their original marketing application and meet all of the eligibility criteria. If a PRV is received, it may be sold or transferred an unlimited number of times. Congress has extended the PRV program until September 30, 2020, with the potential for PRVs to be granted until 2022.

### ***Expedited development and review programs for drugs***

The FDA maintains several programs intended to facilitate and expedite development and review of new drugs to address unmet medical needs in the treatment of serious or life-threatening diseases or conditions. These programs include Fast Track designation, Breakthrough Therapy designation, Priority Review and Accelerated

Approval, and the purpose of these programs is to either expedite the development or review of important new drugs to get them to patients earlier than under standard FDA development and review procedures.

A new drug is eligible for Fast Track designation if it is intended to treat a serious or life-threatening disease or condition and demonstrates the potential to address unmet medical needs for such disease or condition. Fast Track designation provides increased opportunities for sponsor interactions with the FDA during preclinical and clinical development, in addition to the potential for rolling review once a marketing application is filed, meaning that the agency may review portions of the marketing application before the sponsor submits the complete application, as well as Priority Review, discussed below. In addition, a new drug may be eligible for Breakthrough Therapy designation if it is intended to treat a serious or life-threatening disease or condition and preliminary clinical evidence indicates that the drug may demonstrate substantial improvement over existing therapies on one or more clinically significant endpoints, such as substantial treatment effects observed early in clinical development. Breakthrough Therapy designation provides all the features of Fast Track designation in addition to intensive guidance on an efficient drug development program beginning as early as Phase 1, and FDA organizational commitment to expedited development, including involvement of senior managers and experienced review staff in a cross-disciplinary review, where appropriate.

Any product submitted to the FDA for approval, including a product with Fast Track or Breakthrough Therapy designation, may also be eligible for additional FDA programs intended to expedite the review and approval process, including Priority Review designation and accelerated approval. A product is eligible for Priority Review if it has the potential to provide a significant improvement in safety or effectiveness in the treatment, diagnosis or prevention of a serious disease or condition. Under priority review, the FDA must review an application in six months compared to ten months for a standard review. Additionally, products are eligible for accelerated approval if they can be shown to have an effect on a surrogate endpoint that is reasonably likely to predict clinical benefit, or an effect on a clinical endpoint that can be measured earlier than an effect on irreversible morbidity or mortality which is reasonably likely to predict an effect on irreversible morbidity or mortality or other clinical benefit, taking into account the severity, rarity, or prevalence of the condition and the availability or lack of alternative treatments.

Accelerated approval is usually contingent on a sponsor's agreement to conduct additional post-approval studies to verify and describe the product's clinical benefit. The FDA may withdraw approval of a drug or indication approved under accelerated approval if, for example, the confirmatory trial fails to verify the predicted clinical benefit of the product. In addition, unless otherwise informed by the FDA, the FDA currently requires, as a condition for accelerated approval, that all advertising and promotional materials that are intended for dissemination or publication within 120 days following marketing approval be submitted to the agency for review during the pre-approval review period, and that after 120 days following marketing approval, all advertising and promotional materials must be submitted at least 30 days prior to the intended time of initial dissemination or publication.

Even if a product qualifies for one or more of these programs, the FDA may later decide that the product no longer meets the conditions for qualification or the time period for FDA review or approval may not be shortened. Furthermore, Fast Track designation, Breakthrough Therapy designation, Priority Review and Accelerated Approval do not change the scientific or medical standards for approval or the quality of evidence necessary to support approval but may expedite the development or review process.

***Pediatric information and pediatric exclusivity***

Under the Pediatric Research Equity Act, or PREA, certain NDAs and certain supplements to an NDA must contain data to assess the safety and efficacy of the drug for the claimed indications in all relevant pediatric subpopulations and to support dosing and administration for each pediatric subpopulation for which the product is safe and effective. The FDA may grant deferrals for submission of pediatric data or full or partial

waivers. The Food and Drug Administration Safety and Innovation Act, or FDASIA, amended the FD&C Act to require that a sponsor who is planning to submit a marketing application for a drug that includes a new active ingredient, new indication, new dosage form, new dosing regimen or new route of administration submit an initial Pediatric Study Plan, or PSP, within 60 days of an end-of-Phase 2 meeting or, if there is no such meeting, as early as practicable before the initiation of the Phase 3 or Phase 2/3 study. The initial PSP must include an outline of the pediatric study or studies that the sponsor plans to conduct, including study objectives and design, age groups, relevant endpoints and statistical approach, or a justification for not including such detailed information, and any request for a deferral of pediatric assessments or a full or partial waiver of the requirement to provide data from pediatric studies along with supporting information. The FDA and the sponsor must reach an agreement on the PSP. A sponsor can submit amendments to an agreed-upon initial PSP at any time if changes to the pediatric plan need to be considered based on data collected from preclinical studies, early phase clinical trials and/or other clinical development programs.

A drug can also obtain pediatric market exclusivity in the United States. Pediatric exclusivity, if granted, adds six months to existing exclusivity periods and patent terms. This six-month exclusivity, which runs from the end of other exclusivity protection or patent term, may be granted based on the voluntary completion of a pediatric study in accordance with an FDA-issued "Written Request" for such a study.

#### ***U.S. post-approval requirements for drugs***

Drugs manufactured or distributed pursuant to FDA approvals are subject to pervasive and continuing regulation by the FDA, including, among other things, requirements relating to recordkeeping, periodic reporting, product sampling and distribution, reporting of adverse experiences with the product, complying with promotion and advertising requirements, which include restrictions on promoting products for unapproved uses or patient populations (known as "off-label use") and limitations on industry-sponsored scientific and educational activities. Although physicians may prescribe legally available products for off-label uses, manufacturers may not market or promote such uses. The FDA and other agencies actively enforce the laws and regulations prohibiting the promotion of off-label uses, and a company that is found to have improperly promoted off-label uses may be subject to significant liability, including investigation by federal and state authorities. Prescription drug promotional materials must be submitted to the FDA in conjunction with their first use or first publication. Further, if there are any modifications to the drug, including changes in indications, labeling or manufacturing processes or facilities, the applicant may be required to submit and obtain FDA approval of a new NDA or NDA supplement, which may require the development of additional data or preclinical studies and clinical trials.

The FDA may impose a number of post-approval requirements as a condition of approval of an NDA. For example, the FDA may require post-market testing, including Phase 4 clinical trials, and surveillance to further assess and monitor the product's safety and effectiveness after commercialization.

In addition, drug manufacturers and their subcontractors involved in the manufacture and distribution of approved drugs are required to register their establishments with the FDA and certain state agencies and are subject to periodic unannounced inspections by the FDA and certain state agencies for compliance with ongoing regulatory requirements, including cGMP, which impose certain procedural and documentation requirements upon us and our contract manufacturers. Failure to comply with statutory and regulatory requirements can subject a manufacturer to possible legal or regulatory action, such as warning letters, suspension of manufacturing, product seizures, injunctions, civil penalties or criminal prosecution. There is also a continuing, annual prescription drug product program user fee.

Later discovery of previously unknown problems with a product, including adverse events of unanticipated severity or frequency, or with manufacturing processes, or failure to comply with regulatory requirements, may result in revisions to the approved labeling to add new safety information, requirements for post-market

studies or clinical trials to assess new safety risks, or imposition of distribution or other restrictions under a REMS. Other potential consequences include, among other things:

- restrictions on the marketing or manufacturing of the product, complete withdrawal of the product from the market or product recalls;
- safety alerts, Dear Healthcare Provider letters, press releases or other communications containing warnings or other safety information about the product;
- fines, warning letters or holds on post-approval clinical trials;
- refusal of the FDA to approve applications or supplements to approved applications, or suspension or revocation of product approvals;
- product seizure or detention, or refusal to permit the import or export of products;
- injunctions or the imposition of civil or criminal penalties; and
- consent decrees, corporate integrity agreements, debarment or exclusion from federal healthcare programs; or mandated modification of promotional materials and labeling and issuance of corrective information.

### ***Regulation of companion diagnostics***

We believe that the success of certain of our product candidates may depend, in part, on the development and commercialization of a companion diagnostic. Companion diagnostics identify patients who are most likely to benefit from a particular therapeutic product; identify patients likely to be at increased risk for serious side effects as a result of treatment with a particular therapeutic product; or monitor response to treatment with a particular therapeutic product for the purpose of adjusting treatment to achieve improved safety or effectiveness. Companion diagnostics are regulated as medical devices by the FDA. In the United States, the FD&C Act and its implementing regulations, and other federal and state statutes and regulations govern, among other things, medical device design and development, preclinical and clinical testing, premarket clearance or approval, registration and listing, manufacturing, labeling, storage, advertising and promotion, sales and distribution, export and import, and post-market surveillance. Unless an exemption or FDA exercise of enforcement discretion applies, diagnostic tests generally require marketing clearance or approval from the FDA prior to commercialization. The two primary types of FDA marketing authorization applicable to a medical device are clearance of a premarket notification, or 510(k), application, and approval of a premarket approval, or PMA, application.

To obtain 510(k) clearance for a medical device, or for certain modifications to devices that have received 510(k) clearance, a manufacturer must submit a premarket notification demonstrating that the proposed device is substantially equivalent to a previously cleared 510(k) device or to a preamendment device that was in commercial distribution before May 28, 1976, or a predicate device, for which the FDA has not yet called for the submission of a PMA. In making a determination that the device is substantially equivalent to a predicate device, the FDA compares the proposed device to the predicate device or predicate devices and assesses whether the subject device is comparable to the predicate device or predicate devices with respect to intended use, technology, design and other features which could affect safety and effectiveness. If the FDA determines that the subject device is substantially equivalent to the predicate device or predicate devices, the subject device may be cleared for marketing. The 510(k) premarket notification pathway generally takes from three to twelve months from the date the application is completed, but can take significantly longer.

PMA applications must be supported by valid scientific evidence, which typically requires extensive data, including technical, preclinical, clinical and manufacturing data, to demonstrate to the FDA's satisfaction the safety and effectiveness of the device. For diagnostic tests, a PMA application typically includes data regarding



analytical and clinical validation studies. As part of its review of the PMA, the FDA will conduct a pre-approval inspection of the manufacturing facility or facilities to ensure compliance with the Quality System Regulation, or QSR, which requires manufacturers to follow design, testing, control, documentation and other quality assurance procedures. The FDA's review of an initial PMA application is required by statute to take between six to ten months, although the process typically takes longer, and may require several years to complete. If the FDA evaluations of both the PMA application and the manufacturing facilities are favorable, the FDA will either issue an approval letter or an approvable letter, which usually contains a number of conditions that must be met in order to secure the final approval of the PMA. If the FDA's evaluation of the PMA or manufacturing facilities is not favorable, the FDA will deny the approval of the PMA or issue a not approvable letter. A not approvable letter will outline the deficiencies in the application and, where practical, will identify what is necessary to make the PMA approvable. Once granted, PMA approval may be withdrawn by the FDA if compliance with post-approval requirements, conditions of approval or other regulatory standards is not maintained or problems are identified following initial marketing.

On July 31, 2014, the FDA issued a final guidance document addressing the development and approval process for "In Vitro Companion Diagnostic Devices." According to the guidance document, for novel therapeutic products that depend on the use of a diagnostic test and where the diagnostic device could be essential for the safe and effective use of the corresponding therapeutic product, the premarket application for the companion diagnostic device should be developed and approved or cleared contemporaneously with the therapeutic, although the FDA recognizes that there may be cases when contemporaneous development may not be possible. However, in cases where a drug cannot be used safely or effectively without the companion diagnostic, the FDA's guidance indicates it will generally not approve the drug without the approval or clearance of the diagnostic device. The FDA also issued a draft guidance in July 2016 setting forth the principles for co-development of an in vitro companion diagnostic device with a therapeutic product. The draft guidance describes principles to guide the development and contemporaneous marketing authorization for the therapeutic product and its corresponding in vitro companion diagnostic.

Once cleared or approved, the companion diagnostic device must adhere to post-marketing requirements including the requirements of the FDA's quality system regulation, adverse event reporting, recalls and corrections along with product marketing requirements and limitations. Like drug makers, companion diagnostic makers are subject to unannounced FDA inspections at any time during which the FDA will conduct an audit of the product(s) and the company's facilities for compliance with its authorities.

#### ***Other regulatory matters***

Manufacturing, sales, promotion and other activities of product candidates following product approval, where applicable, or commercialization are also subject to regulation by numerous regulatory authorities in the United States in addition to the FDA, which may include the Centers for Medicare & Medicaid Services, or CMS, other divisions of the Department of Health and Human Services, the Department of Justice, the Drug Enforcement Administration, the Consumer Product Safety Commission, the Federal Trade Commission, the Occupational Safety & Health Administration, the Environmental Protection Agency and state and local governments and governmental agencies.

#### ***Other healthcare laws***

Healthcare providers, physicians, and third-party payors will play a primary role in the recommendation and prescription of any products for which we obtain marketing approval. Our business operations and any current or future arrangements with third-party payors, healthcare providers and physicians may expose us to broadly applicable fraud and abuse and other healthcare laws and regulations that may constrain the business or financial arrangements and relationships through which we develop, market, sell and distribute any drugs for



which we obtain marketing approval. In the United States, these laws include, without limitation, state and federal anti-kickback, false claims, physician transparency, and patient data privacy and security laws and regulations, including but not limited to those described below.

- The federal Anti-Kickback Statute, which prohibits, among other things, persons and entities from knowingly and willfully soliciting, offering, paying, receiving or providing any remuneration (including any kickback, bribe, or certain rebate), directly or indirectly, overtly or covertly, in cash or in kind, to induce or reward, or in return for, either the referral of an individual for, or the purchase, order or recommendation of, any good or service, for which payment may be made, in whole or in part, under a federal healthcare program such as Medicare and Medicaid; a person or entity need not have actual knowledge of the federal Anti-Kickback Statute or specific intent to violate it in order to have committed a violation. Violations are subject to civil and criminal fines and penalties for each violation, plus up to three times the remuneration involved, imprisonment, and exclusion from government healthcare programs. In addition, the government may assert that a claim that includes items or services resulting from a violation of the federal Anti-Kickback Statute constitutes a false or fraudulent claim for purposes of the civil False Claims Act.
- The federal civil and criminal false claims laws, including the civil False Claims Act, or FCA, which prohibit individuals or entities from, among other things, knowingly presenting, or causing to be presented, to the federal government, claims for payment or approval that are false, fictitious or fraudulent; knowingly making, using, or causing to be made or used, a false statement or record material to a false or fraudulent claim or obligation to pay or transmit money or property to the federal government; or knowingly concealing or knowingly and improperly avoiding or decreasing an obligation to pay money to the federal government. Manufacturers can be held liable under the FCA even when they do not submit claims directly to government payors if they are deemed to “cause” the submission of false or fraudulent claims. The FCA also permits a private individual acting as a “whistleblower” to bring actions on behalf of the federal government alleging violations of the FCA and to share in any monetary recovery. When an entity is determined to have violated the federal civil False Claims Act, the government may impose civil fines and penalties for each false claim, plus treble damages, and exclude the entity from participation in Medicare, Medicaid and other federal healthcare programs.
- The federal civil monetary penalties laws, which impose civil fines for, among other things, the offering or transfer or remuneration to a Medicare or state healthcare program beneficiary if the person knows or should know it is likely to influence the beneficiary’s selection of a particular provider, practitioner, or supplier of services reimbursable by Medicare or a state health care program, unless an exception applies.
- The Health Insurance Portability and Accountability Act of 1996, or HIPAA, imposes criminal and civil liability for knowingly and willfully executing a scheme, or attempting to execute a scheme, to defraud any healthcare benefit program, including private payors, knowingly and willfully embezzling or stealing from a healthcare benefit program, willfully obstructing a criminal investigation of a healthcare offense, or falsifying, concealing or covering up a material fact or making any materially false statements in connection with the delivery of or payment for healthcare benefits, items or services.
- HIPAA, as amended by the Health Information Technology for Economic and Clinical Health Act of 2009, or HITECH, and their respective implementing regulations, imposes, among other things, specified requirements on covered entities and their business associates relating to the privacy and security of individually identifiable health information including mandatory contractual terms and required implementation of technical safeguards of such information. HITECH also created new tiers of civil monetary penalties, amended HIPAA to make civil and criminal penalties directly applicable to business associates in some cases, and gave state attorneys general new authority to file civil actions for damages or injunctions in federal courts to enforce the federal HIPAA laws and seek attorneys’ fees and costs associated with pursuing federal civil actions.

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- The Physician Payments Sunshine Act, enacted as part of the Patient Protection and Affordable Care Act, as amended by the Health Care and Education Reconciliation Act of 2010, or collectively, the ACA, imposed new annual reporting requirements for certain manufacturers of drugs, devices, biologics, and medical supplies for which payment is available under Medicare, Medicaid, or the Children’s Health Insurance Program, for certain payments and “transfers of value” provided to physicians (defined to include doctors, dentists, optometrists, podiatrists and chiropractors) and teaching hospitals, as well as ownership and investment interests held by physicians and their immediate family members. In addition, many states also require reporting of payments or other transfers of value, many of which differ from each other in significant ways, are often not pre-empted, and may have a more prohibitive effect than the Sunshine Act, thus further complicating compliance efforts.
- Federal consumer protection and unfair competition laws, which broadly regulate marketplace activities and activities that potentially harm consumers.
- Analogous state and foreign fraud and abuse laws and regulations, such as state anti-kickback and false claims laws, which may be broader in scope and apply regardless of payor. These laws are enforced by various state agencies and through private actions. Some state laws require pharmaceutical companies implement compliance to comply with the pharmaceutical industry’s voluntary compliance guidelines and the relevant federal government compliance guidance, require drug manufacturers to report information related to payments and other transfers of value to physicians and other healthcare providers, and restrict marketing practices or require disclosure of marketing expenditures and pricing information. State and foreign laws also govern the privacy and security of health information in some circumstances. These data privacy and security laws may differ from each other in significant ways and often are not pre-empted by HIPAA, which may complicate compliance efforts.

The scope and enforcement of each of these laws is uncertain and subject to rapid change in the current environment of healthcare reform, especially in light of the lack of applicable precedent and regulations. Federal and state enforcement bodies have recently increased their scrutiny of interactions between healthcare companies and healthcare providers, which has led to a number of investigations, prosecutions, convictions and settlements in the healthcare industry. It is possible that governmental authorities will conclude that our business practices do not comply with current or future statutes, regulations or case law involving applicable fraud and abuse or other healthcare laws and regulations. If our operations are found to be in violation of any of these laws or any other related governmental regulations that may apply to us, we may be subject to significant civil, criminal and administrative penalties, damages, fines, imprisonment, disgorgement, exclusion from government funded healthcare programs, such as Medicare and Medicaid, reputational harm, additional oversight and reporting obligations if we become subject to a corporate integrity agreement or similar settlement to resolve allegations of non-compliance with these laws and the curtailment or restructuring of our operations. If any of the physicians or other healthcare providers or entities with whom we expect to do business is found to be not in compliance with applicable laws, they may be subject to similar actions, penalties and sanctions. Ensuring business arrangements comply with applicable healthcare laws, as well as responding to possible investigations by government authorities, can be time- and resource-consuming and can divert a company’s attention from its business.

### ***Insurance Coverage and Reimbursement***

In the United States and markets in other countries, patients who are prescribed treatments for their conditions and providers performing the prescribed services generally rely on third-party payors to reimburse all or part of the associated healthcare costs. Thus, even if a product candidate is approved, sales of the product will depend, in part, on the extent to which third-party payors, including government health programs in the United States such as Medicare and Medicaid, commercial health insurers and managed care organizations, provide

coverage, and establish adequate reimbursement levels for, the product. In the United States, the principal decisions about reimbursement for new medicines are typically made by the Centers for Medicare & Medicaid Services, or CMS, an agency within the U.S. Department of Health and Human Services. CMS decides whether and to what extent a new medicine will be covered and reimbursed under Medicare and private payors tend to follow CMS to a substantial degree. No uniform policy of coverage and reimbursement for drug products exists among third-party payors. Therefore, coverage and reimbursement for drug products can differ significantly from payor to payor. The process for determining whether a third-party payor will provide coverage for a product may be separate from the process for setting the price or reimbursement rate that the payor will pay for the product once coverage is approved. Third-party payors are increasingly challenging the prices charged, examining the medical necessity, and reviewing the cost-effectiveness of medical products and services and imposing controls to manage costs. Third-party payors may limit coverage to specific products on an approved list, also known as a formulary, which might not include all of the approved products for a particular indication.

In order to secure coverage and reimbursement for any product that might be approved for sale, a company may need to conduct expensive pharmacoeconomic studies in order to demonstrate the medical necessity and cost-effectiveness of the product, in addition to the costs required to obtain FDA or other comparable regulatory approvals. Additionally, companies may also need to provide discounts to purchasers, private health plans or government healthcare programs. Nonetheless, product candidates may not be considered medically necessary or cost effective. A decision by a third-party payor not to cover a product could reduce physician utilization once the product is approved and have a material adverse effect on sales, our operations and financial condition. Additionally, a third-party payor's decision to provide coverage for a product does not imply that an adequate reimbursement rate will be approved. Further, one payor's determination to provide coverage for a product does not assure that other payors will also provide coverage and reimbursement for the product, and the level of coverage and reimbursement can differ significantly from payor to payor.

The containment of healthcare costs has become a priority of federal, state and foreign governments, and the prices of products have been a focus in this effort. Governments have shown significant interest in implementing cost-containment programs, including price controls, restrictions on reimbursement and requirements for substitution of generic products. Adoption of price controls and cost-containment measures, and adoption of more restrictive policies in jurisdictions with existing controls and measures, could further limit a company's revenue generated from the sale of any approved products. Coverage policies and third-party payor reimbursement rates may change at any time. Even if favorable coverage and reimbursement status is attained for one or more products for which a company or its collaborators receive regulatory approval, less favorable coverage policies and reimbursement rates may be implemented in the future.

#### ***Current and future healthcare reform legislation***

In the United States and some foreign jurisdictions, there have been, and likely will continue to be, a number of legislative and regulatory changes and proposed changes regarding the healthcare system directed at broadening the availability of healthcare, improving the quality of healthcare, and containing or lowering the cost of healthcare. For example, in March 2010, the United States Congress enacted the Affordable Care Act, which, among other things, includes changes to the coverage and payment for products under government health care programs. The Affordable Care Act includes provisions of importance to our potential product candidates that:

- created an annual, nondeductible fee on any entity that manufactures or imports specified branded prescription drugs and biologic products, apportioned among these entities according to their market share in certain government healthcare programs;
- expanded eligibility criteria for Medicaid programs by, among other things, allowing states to offer Medicaid coverage to certain individuals with income at or below 133% of the federal poverty level, thereby potentially increasing a manufacturer's Medicaid rebate liability;

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- expanded manufacturers' rebate liability under the Medicaid Drug Rebate Program by increasing the minimum rebate for both branded and generic drugs and revising the definition of "average manufacturer price," or AMP, for calculating and reporting Medicaid drug rebates on outpatient prescription drug prices;
- addressed a new methodology by which rebates owed by manufacturers under the Medicaid Drug Rebate Program are calculated for drugs that are inhaled, infused, instilled, implanted or injected;
- expanded the types of entities eligible for the 340B drug discount program;
- established the Medicare Part D coverage gap discount program by requiring manufacturers to provide point-of-sale-discounts off the negotiated price of applicable brand drugs to eligible beneficiaries during their coverage gap period as a condition for the manufacturers' outpatient drugs to be covered under Medicare Part D; and
- created a new Patient-Centered Outcomes Research Institute to oversee, identify priorities in, and conduct comparative clinical effectiveness research, along with funding for such research.

Some of the provisions of the Affordable Care Act have yet to be implemented, and there have been judicial and Congressional challenges to certain provisions of the Affordable Care Act, as well as recent efforts by the Trump administration to repeal or replace certain aspects of the Affordable Care Act. Since January 2017, President Trump has signed two Executive Orders and other directives designed to delay the implementation of certain provisions of the Affordable Care Act. Concurrently, Congress has considered legislation that would repeal or repeal and replace all or part of the Affordable Care Act. While Congress has not passed comprehensive repeal legislation, it has enacted laws that modify certain provisions of the Affordable Care Act such as removing penalties, starting January 1, 2019, for not complying with the Affordable Care Act's individual mandate to carry health insurance, delaying the implementation of certain Affordable Care Act-mandated fees, and increasing the point-of-sale discount that is owed by pharmaceutical manufacturers who participate in Medicare Part D. On December 14, 2018, a Texas U.S. District Court Judge ruled that the Affordable Care Act is unconstitutional in its entirety because the "individual mandate" was repealed by Congress as part of the Tax Cuts and Jobs Act of 2017. The Trump administration and CMS have stated that the ruling will have no immediate effect pending appeal of the decision, and on December 30, 2018 the Texas District Court Judge issued an order staying the judgment pending appeal. A Fifth Circuit US Court of Appeals hearing to determine whether certain states and the House of Representatives have standing to appeal the lower court decision was held on July 9, 2019, but it is unclear when a Court will render its decision on this hearing, and what effect it will have on the status of the ACA. Litigation and legislation related to the ACA are likely to continue, with unpredictable and uncertain results. We will continue to evaluate the effect that the ACA and its possible repeal and replacement has on our business.

Other legislative changes have been proposed and adopted in the United States since the Affordable Care Act was enacted. In August 2011, the Budget Control Act of 2011, among other things, included aggregate reductions of Medicare payments to providers of 2% per fiscal year, which went into effect in April 2013 and, due to subsequent legislative amendments to the statute, will remain in effect through 2027 unless additional Congressional action is taken. In January 2013, the American Taxpayer Relief Act of 2012 was signed into law, which, among other things, further reduced Medicare payments to several providers, including hospitals, imaging centers and cancer treatment centers, and increased the statute of limitations period for the government to recover overpayments to providers from three to five years.

Moreover, payment methodologies may be subject to changes in healthcare legislation and regulatory initiatives. For example, CMS may develop new payment and delivery models, such as bundled payment models. In addition, recently there has been heightened governmental scrutiny over the manner in which manufacturers set prices for their commercial products, which has resulted in several Congressional inquiries and proposed

and enacted state and federal legislation designed to, among other things, bring more transparency to product pricing, review the relationship between pricing and manufacturer patient programs, and reform government program reimbursement methodologies for pharmaceutical products. For example, at the federal level, the Trump administration's budget for fiscal year 2019 contains further drug price control measures that could be enacted during the 2019 legislative session, or in other future legislation, including, for example, measures to permit Medicare Part D plans to negotiate the price of certain drugs under Medicare Part B, to allow some states to negotiate drug prices under Medicaid, and to eliminate cost sharing for generic drugs for low-income patients. Additionally, the Trump administration released a "Blueprint" to lower drug prices and reduce out of pocket costs of drugs that contains additional proposals to increase drug manufacturer competition, increase the negotiating power of certain federal healthcare programs, incentivize manufacturers to lower the list price of their products, and reduce the out of pocket costs of drug products paid by consumers. The U.S. Department of HHS, has already started the process of soliciting feedback on some of these measures and, at the same time, is immediately implementing others under its existing authority. For example, in September 2018, CMS announced that it will allow Medicare Advantage Plans the option to use step therapy (ST) for Medicare Part B drugs beginning January 1, 2019. Congress and the Trump administration have each indicated that it will continue to seek new legislative and/or administrative measures to control drug costs. Individual states in the United States have also increasingly passed legislation and implemented regulations designed to control pharmaceutical product pricing, including price or patient reimbursement constraints, discounts, restrictions on certain product access and marketing cost disclosure and transparency measures, and, in some cases, designed to encourage importation from other countries and bulk purchasing.

On May 30, 2018, the Right to Try Act was signed into law. The law, among other things, provides a federal framework for certain patients to access certain investigational new drug products that have completed a Phase 1 clinical trial and that are undergoing investigation for FDA approval. Under certain circumstances, eligible patients can seek treatment without enrolling in clinical trials and without obtaining FDA permission under the FDA expanded access program. There is no obligation for a drug manufacturer to make its drug products available to eligible patients as a result of the Right to Try Act, but the manufacturer must develop an internal policy and respond to patient requests according to that policy.

Outside the United States, ensuring coverage and adequate payment for a product also involves challenges. Pricing of prescription pharmaceuticals is subject to government control in many countries. Pricing negotiations with government authorities can extend well beyond the receipt of regulatory approval for a product and may require a clinical trial that compares the cost-effectiveness of a product to other available therapies. The conduct of such a clinical trial could be expensive and result in delays in commercialization.

In the European Union, pricing and reimbursement schemes vary widely from country to country. Some countries provide that products may be marketed only after a reimbursement price has been agreed. Some countries may require the completion of additional studies that compare the cost-effectiveness of a particular product candidate to currently available therapies or so-called health technology assessments, in order to obtain reimbursement or pricing approval. For example, the European Union provides options for its member states to restrict the range of products for which their national health insurance systems provide reimbursement and to control the prices of medicinal products for human use. European Union member states may approve a specific price for a product or it may instead adopt a system of direct or indirect controls on the profitability of the company placing the product on the market. Other member states allow companies to fix their own prices for products, but monitor and control prescription volumes and issue guidance to physicians to limit prescriptions. Recently, many countries in the European Union have increased the amount of discounts required on pharmaceuticals and these efforts could continue as countries attempt to manage healthcare expenditures, especially in light of the severe fiscal and debt crises experienced by many countries in the European Union. The downward pressure on healthcare costs in general, particularly prescription products, has

become intense. As a result, increasingly high barriers are being erected to the entry of new products. Political, economic and regulatory developments may further complicate pricing negotiations, and pricing negotiations may continue after reimbursement has been obtained. Reference pricing used by various European Union member states, and parallel trade, i.e., arbitrage between low-priced and high-priced member states, can further reduce prices. There can be no assurance that any country that has price controls or reimbursement limitations for pharmaceutical products will allow favorable reimbursement and pricing arrangements for any products, if approved in those countries.

***Compliance with other federal and state laws or requirements; changing legal requirements***

If any products that we may develop are made available to authorized users of the Federal Supply Schedule of the General Services Administration, additional laws and requirements apply. Products must meet applicable child-resistant packaging requirements under the U.S. Poison Prevention Packaging Act. Manufacturing, labeling, packaging, distribution, sales, promotion and other activities also are potentially subject to federal and state consumer protection and unfair competition laws, among other requirements to we may be subject.

The distribution of pharmaceutical products is subject to additional requirements and regulations, including extensive record-keeping, licensing, storage and security requirements intended to prevent the unauthorized sale of pharmaceutical products.

The failure to comply with any of these laws or regulatory requirements subjects firms to possible legal or regulatory action. Depending on the circumstances, failure to meet applicable regulatory requirements can result in criminal prosecution, fines or other penalties, injunctions, exclusion from federal healthcare programs, requests for recall, seizure of products, total or partial suspension of production, denial or withdrawal of product approvals, relabeling or repackaging, or refusal to allow a firm to enter into supply contracts, including government contracts. Any claim or action against us for violation of these laws, even if we successfully defend against it, could cause us to incur significant legal expenses and divert our management's attention from the operation of our business. Prohibitions or restrictions on marketing, sales or withdrawal of future products marketed by us could materially affect our business in an adverse way.

Changes in regulations, statutes or the interpretation of existing regulations could impact our business in the future by requiring, for example: (i) changes to our manufacturing arrangements; (ii) additions or modifications to product labeling or packaging; (iii) the recall or discontinuation of our products; or (iv) additional record-keeping requirements. If any such changes were to be imposed, they could adversely affect the operation of our business.

***Other U.S. environmental, health and safety laws and regulations***

We may be subject to numerous environmental, health and safety laws and regulations, including those governing laboratory procedures and the handling, use, storage, treatment and disposal of hazardous materials and wastes. From time to time and in the future, our operations may involve the use of hazardous and flammable materials, including chemicals and biological materials, and may also produce hazardous waste products. Even if we contract with third parties for the disposal of these materials and waste products, we cannot completely eliminate the risk of contamination or injury resulting from these materials. In the event of contamination or injury resulting from the use or disposal of our hazardous materials, we could be held liable for any resulting damages, and any liability could exceed our resources. We also could incur significant costs associated with civil or criminal fines and penalties for failure to comply with such laws and regulations.

We maintain workers' compensation insurance to cover us for costs and expenses we may incur due to injuries to our employees, but this insurance may not provide adequate coverage against potential liabilities. However, we do not maintain insurance for environmental liability or toxic tort claims that may be asserted against us.

In addition, we may incur substantial costs in order to comply with current or future environmental, health and safety laws and regulations. Current or future environmental laws and regulations may impair our research, development or production efforts. In addition, failure to comply with these laws and regulations may result in substantial fines, penalties or other sanctions.

### **Government regulation of drugs outside of the United States**

To market any product outside of the United States, we would need to comply with numerous and varying regulatory requirements of other countries regarding safety and efficacy and governing, among other things, clinical trials, marketing authorization or identification of an alternate regulatory pathway, manufacturing, commercial sales and distribution of our products. For instance, in the European Economic Area, or the EEA (comprised of the 28 EU Member States plus Iceland, Liechtenstein and Norway), medicinal products must be authorized for marketing by using either the centralized authorization procedure or national authorization procedures.

- **Centralized procedure**—If pursuing marketing authorization of a product candidate for a therapeutic indication under the centralized procedure, following the opening of the EMA's Committee for Medicinal Products for Human Use, or, CHMP, the European Commission issues a single marketing authorization valid across the EEA. The centralized procedure is compulsory for human medicines derived from biotechnology processes or advanced therapy medicinal products (such as gene therapy, somatic cell therapy and tissue engineered products), products that contain a new active substance indicated for the treatment of certain diseases, such as HIV/AIDS, cancer, neurodegenerative disorders, diabetes, autoimmune diseases and other immune dysfunctions, viral diseases, and officially designated orphan medicines. For medicines that do not fall within these categories, an applicant has the option of submitting an application for a centralized marketing authorization to the EMA, as long as the medicine concerned contains a new active substance not yet authorized in the EEA, is a significant therapeutic, scientific or technical innovation, or if its authorization would be in the interest of public health in the EEA. Under the centralized procedure the maximum timeframe for the evaluation of an MAA by the EMA is 210 days, excluding clock stops, when additional written or oral information is to be provided by the applicant in response to questions asked by the CHMP. Accelerated assessment might be granted by the CHMP in exceptional cases, when a medicinal product is expected to be of a major public health interest, particularly from the point of view of therapeutic innovation. The timeframe for the evaluation of an MAA under the accelerated assessment procedure is 150 days, excluding clock stops.
- **National authorization procedures**—There are also two other possible routes to authorize products for therapeutic indications in several countries, which are available for products that fall outside the scope of the centralized procedure:
  - **Decentralized procedure**—Using the decentralized procedure, an applicant may apply for simultaneous authorization in more than one EU country of medicinal products that have not yet been authorized in any EU country and that do not fall within the mandatory scope of the centralized procedure.
  - **Mutual recognition procedure**—In the mutual recognition procedure, a medicine is first authorized in one EU Member State, in accordance with the national procedures of that country. Following this, additional marketing authorizations can be sought from other EU countries in a procedure whereby the countries concerned recognize the validity of the original, national marketing authorization.

In the EEA, new products for therapeutic indications that are authorized for marketing (i.e., reference products) qualify for eight years of data exclusivity and an additional two years of market exclusivity upon marketing authorization. The data exclusivity period prevents generic or biosimilar applicants from relying on the



preclinical and clinical trial data contained in the dossier of the reference product when applying for a generic or biosimilar marketing authorization in the EU during a period of eight years from the date on which the reference product was first authorized in the EU. The market exclusivity period prevents a successful generic or biosimilar applicant from commercializing its product in the EU until ten years have elapsed from the initial authorization of the reference product in the EU. The ten-year market exclusivity period can be extended to a maximum of eleven years if, during the first eight years of those ten years, the marketing authorization holder obtains an authorization for one or more new therapeutic indications which, during the scientific evaluation prior to their authorization, are held to bring a significant clinical benefit in comparison with existing therapies.

The criteria for designating an “orphan medicinal product” in the EEA are similar in principle to those in the United States. In the EEA a medicinal product may be designated as orphan if (1) it is intended for the diagnosis, prevention or treatment of a life-threatening or chronically debilitating condition; (2) either (a) such condition affects no more than five in 10,000 persons in the EU when the application is made, or (b) the product, without the benefits derived from orphan status, would not generate sufficient return in the EU to justify investment; and (3) there exists no satisfactory method of diagnosis, prevention or treatment of such condition authorized for marketing in the EU, or if such a method exists, the product will be of significant benefit to those affected by the condition. Orphan medicinal products are eligible for financial incentives such as reduction of fees or fee waivers and are, upon grant of a marketing authorization, entitled to ten years of market exclusivity for the approved therapeutic indication. During this ten-year orphan market exclusivity period, no marketing authorization application shall be accepted, and no marketing authorization shall be granted for a similar medicinal product for the same indication. An orphan product can also obtain an additional two years of market exclusivity in the EU for pediatric studies. The ten-year market exclusivity may be reduced to six years if, at the end of the fifth year, it is established that the product no longer meets the criteria for orphan designation, for example, if the product is sufficiently profitable not to justify maintenance of market exclusivity. Additionally, marketing authorization may be granted to a similar product for the same indication at any time if (i) the second applicant can establish that its product, although similar, is safer, more effective or otherwise clinically superior; (ii) the applicant consents to a second orphan medicinal product application; or (iii) the applicant cannot supply enough orphan medicinal product.

Similar to the United States, the various phases of non-clinical and clinical research in the European Union are subject to significant regulatory controls.

The Clinical Trials Directive 2001/20/EC, the Directive 2005/28/EC on GCP and the related national implementing provisions of the individual EU Member States govern the system for the approval of clinical trials in the European Union. Under this system, an applicant must obtain prior approval from the competent national authority of the EU Member States in which the clinical trial is to be conducted. Furthermore, the applicant may only start a clinical trial at a specific study site after the competent ethics committee has issued a favorable opinion. The clinical trial application must be accompanied by, among other documents, an investigational medicinal product dossier (the Common Technical Document) with supporting information prescribed by Directive 2001/20/EC, Directive 2005/28/EC, where relevant the implementing national provisions of the individual EU Member States and further detailed in applicable guidance documents.

In April 2014, the new Clinical Trials Regulation, (EU) No 536/2014 (Clinical Trials Regulation) was adopted. The Regulation is anticipated to come into application in 2019. The Clinical Trials Regulation will be directly applicable in all the EU Member States, repealing the current Clinical Trials Directive 2001/20/EC. Conduct of all clinical trials performed in the European Union will continue to be bound by currently applicable provisions until the new Clinical Trials Regulation becomes applicable. The extent to which ongoing clinical trials will be governed by the Clinical Trials Regulation will depend on when the Clinical Trials Regulation becomes applicable and on the duration of the individual clinical trial. If a clinical trial continues for more than three years from the day on which the Clinical Trials Regulation becomes applicable the Clinical Trials Regulation will at that time



begin to apply to the clinical trial. The new Clinical Trials Regulation aims to simplify and streamline the approval of clinical trials in the European Union. The main characteristics of the regulation include: a streamlined application procedure via a single-entry point, the “EU portal”; a single set of documents to be prepared and submitted for the application as well as simplified reporting procedures for clinical trial sponsors; and a harmonized procedure for the assessment of applications for clinical trials, which is divided in two parts. Part I is assessed by the competent authorities of all EU Member States in which an application for authorization of a clinical trial has been submitted (Member States concerned). Part II is assessed separately by each Member State concerned. Strict deadlines have been established for the assessment of clinical trial applications. The role of the relevant ethics committees in the assessment procedure will continue to be governed by the national law of the concerned EU Member State. However, overall related timelines will be defined by the Clinical Trials Regulation.

The collection and use of personal health data in the European Union, previously governed by the provisions of the Data Protection Directive, is now governed by the General Data Protection Regulation, or the GDPR, which became effective on May 25, 2018. While the Data Protection Directive did not apply to organizations based outside the EU, the GDPR has expanded its reach to include any business, regardless of its location, that provides goods or services to residents in the EU. This expansion would incorporate any clinical trial activities in EU members states. The GDPR imposes strict requirements on controllers and processors of personal data, including special protections for “sensitive information” which includes health and genetic information of data subjects residing in the EU. GDPR grants individuals the opportunity to object to the processing of their personal information, allows them to request deletion of personal information in certain circumstances, and provides the individual with an express right to seek legal remedies in the event the individual believes his or her rights have been violated. Further, the GDPR imposes strict rules on the transfer of personal data out of the European Union to the United States or other regions that have not been deemed to offer “adequate” privacy protections. Failure to comply with the requirements of the GDPR and the related national data protection laws of the European Union Member States, which may deviate slightly from the GDPR, may result in fines of up to 4% of global revenues, or €20,000,000, whichever is greater. As a result of the implementation of the GDPR, we may be required to put in place additional mechanisms ensuring compliance with the new data protection rules.

There is significant uncertainty related to the manner in which data protection authorities will seek to enforce compliance with GDPR. For example, it is not clear if the authorities will conduct random audits of companies doing business in the EU, or if the authorities will wait for complaints to be filed by individuals who claim their rights have been violated. Enforcement uncertainty and the costs associated with ensuring GDPR compliance are onerous and may adversely affect our business, financial condition, results of operations and prospects.

Should we utilize third party distributors, compliance with such foreign governmental regulations would generally be the responsibility of such distributors, who may be independent contractors over whom we have limited control.

## Employees

As of January 3, 2020, we had 30 full-time employees. Thirteen of our employees have Ph.D. degrees. The following table shows the number of full-time employees as of January 3, 2020 engaged in either research and development or administrative functions, broken out by location.

Function	US	Canada
Research and development	17	2
Administrative	11	—
Total	28	2

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None of our employees are represented by labor unions or covered by collective bargaining agreements. We consider our relationship with our employees to be good.

### **Facilities**

We lease a facility containing approximately 2,357 square feet of office space for our principal office, which is located at 139 Main Street, Cambridge, MA 02142. The lease expires on April 30, 2022, subject to an option to extend the lease for three additional years. We also lease approximately 1,500 square feet of laboratory space and 500 square feet of office space at 25 Health Sciences Drive, Stony Brook, NY 11790 and our lease for this location expires on December 31, 2020. In addition, we also have a license to use the private and shared laboratory and office facilities at 180 Varick Street, New York, NY 10014. The license expires on February 11, 2021. For our Canadian subsidiary, we have a non-exclusive license to occupy a portion of a building located at 661 University Avenue, Toronto, Ontario M5G 1M1, for the purposes of conducting laboratory research, business planning and related activities. The license expires on April 5, 2020.

We believe that our current facilities are adequate for our current needs and that suitable additional or substitute space at commercially reasonable terms will be available as needed to accommodate any future expansion of our operations.

### **Legal proceedings**

From time to time, we may become involved in legal proceedings arising in the ordinary course of our business. As of the date of this prospectus, we were not a party to any material legal matters or claims. In the future, we may become party to legal matters and claims in the ordinary course of business, the resolution of which we do not anticipate would have a material adverse impact on our financial position, results of operations or cash flows.

## Management

The following table sets forth information about our directors, executive officers and other senior management as of January 3, 2020.

Name	Age	Position(s)
<b>Executive Officers and Senior Management</b>		
David M. Epstein, Ph.D.	61	President, Chief Executive Officer and Director
Thomas Leggett	43	Chief Financial Officer
Brent Hatzis-Schoch, Esq.	55	Chief Operating Officer and General Counsel
Christopher D. Roberts, Ph.D.	50	Chief Scientific Officer
Elizabeth Buck, Ph.D.	45	Executive Vice President, Discovery and Translational Services
Karsten Witt, M.D.	62	Senior Vice President, Clinical Development
<b>Non-Employee Directors</b>		
Bradley Bolzon, Ph.D.	60	Director and Chairman of the Board of Directors
Ali Behbahani, M.D. <sup>(1)(2)</sup>	43	Director
Samarth Kulkarni, Ph.D. <sup>(2)</sup>	41	Director
Alexander Mayweg, Ph.D.	44	Director
Garry E. Menzel, Ph.D. <sup>(1)(2)</sup>	55	Director
Rajeev Shah <sup>(1)</sup>	42	Director

(1) Member of our audit committee

(2) Member of our compensation, nomination and corporate governance committee

The following is a biographical summary of the experience of our executive officers, other senior management and directors. There are no family relationships among any of our executive officers, other senior management or directors.

### Executive officers and senior management

**David M. Epstein, Ph.D.** is our co-founder and has served as President, Chief Executive Officer and a member of our board of directors since September 2016. Since January 2019, Dr. Epstein has served as an Adjunct Associate Professor for the Cancer and Stem Cell Biology Program at Duke-NUS Medical School. From April 2013 to December 2018, Dr. Epstein held positions at Duke-NUS Medical School, Singapore, where he founded and built Duke-NUS's Center for Technology & Development. Dr. Epstein's positions include Vice Dean, Innovation & Entrepreneurship, and Associate Professor in Cancer and Stem Biology. From June 2010 to March 2013, Dr. Epstein was Senior Vice President, Chief Scientific Officer and Site-Head for OSI Pharmaceuticals, Inc., a pharmaceutical company acquired by Astellas Pharma, Inc. From 2006 to 2010, Dr. Epstein served as Senior Vice President and Chief Scientific Officer, Oncology, at OSI Pharmaceuticals, Inc. until it was acquired by Astellas. Before joining OSI, from 2001 to 2006, Dr. Epstein served as Vice President, Biology, and from 2000 to 2003, as co-founder and a member of the board of directors at Archemix Corporation, a biotechnology company. From April 2013 to April 2015, Dr. Epstein served as a member of the board of directors at MetaStat, Inc., a precision medicine biotechnology company. Dr. Epstein earned a B.S. in Chemistry from Lewis & Clark College and a Ph.D. in Biochemistry at Brandeis University. Dr. Epstein completed a joint post-doctoral fellowship, leading a collaboration in protein structure, function and NMR dynamics between the labs of Steven Benkovic (Penn State) and Peter Wright at The Scripps Research Institute in La Jolla, California.

We believe that Dr. Epstein is qualified to serve on our board of directors because of his considerable qualifications, attributes and skills, including his distinguished scientific background and experience in leadership roles in the biopharmaceutical industry.

**Thomas Leggett** has served as our Chief Financial Officer since September 2019. Prior to joining us, from January 2017 to August 2019, Mr. Leggett served as Senior Vice President of Finance and Chief Financial Officer at Axcella Health Inc., a biotechnology company. Prior to joining Axcella, Mr. Leggett served as the Treasurer and Head of Business Development Finance at Purdue Pharma L.P., a pharmaceutical company, from May 2016 to December 2017. From November 2009 to April 2016, Mr. Leggett was an Executive Director at UBS Securities LLC, an investment bank, in the Global Healthcare Group with a primary focus in the biopharmaceutical sector. Mr. Leggett holds an M.B.A. in finance from The Wharton School at the University of Pennsylvania and a B.A. in Economics from Columbia University.

**Brent Hatzis-Schoch** has served as our Chief Operating Officer and General Counsel since May 2019. Prior to joining us, from April 2015 to May 2019, Mr. Hatzis-Schoch was Senior Vice President, General Counsel and Corporate Secretary at Radius Health, Inc., a commercial-stage biopharmaceutical company. Previously, Mr. Hatzis-Schoch served as Senior Vice President and Chief Legal Counsel at Merz Pharma GmbH & Co. KGaA, an international healthcare company, in Frankfurt, Germany from July 2013 to April 2015. Mr. Hatzis-Schoch began his legal career in private practice and later held senior legal positions in the U.S. and internationally, including as General Counsel to two publicly traded development-stage German biopharmaceutical companies, European legal counsel for Baxter International and Associate General Counsel of Pharmacia Corporation (which now operates under Pfizer Inc.). Mr. Hatzis-Schoch received his B.A. from the University of Delaware and his Juris Doctor from George Washington University. Mr. Hatzis-Schoch was a Fulbright Scholar at the University of Cologne in Germany.

**Christopher D. Roberts, Ph.D.** has served as our Chief Scientific Officer since September 2019. Prior to joining us, from April 2017 to August 2019, Dr. Roberts was Entrepreneur in Residence at S.R. One Limited, the corporate venture capital arm of GlaxoSmithKline plc. Previously, from April 2015 to March 2017, Dr. Roberts served as Vice President of Chemistry and Early Development at Syros Pharmaceuticals, Inc., a publicly-traded biotechnology company, where he built and led various discovery and development functions and helped guide two oncology assets into clinical development. Prior to joining Syros, from January 2009 to March 2015, Dr. Roberts held numerous positions of increasing responsibility at GSK, including Vice President and Head of the Host Defense Discovery Performance Unit. Dr. Roberts graduated with a B.A. in Chemistry from Whitworth University and earned his Ph.D. in Organic Chemistry from the University of California, Riverside, followed by a post-doctoral fellowship at the University of Bern, Switzerland.

**Elizabeth Buck, Ph.D.** is our co-founder and has served as our Executive Vice President, Discovery & Translational Services since March 2017. From 2015 to 2017, she served as our Chief Scientific Officer. Prior to joining us, from September 2013 to December 2014, Dr. Buck served as Chief Scientific Officer for Therapeutics at MetaStat, Inc., a precision medicine biotechnology company. Previously, from 2005 to 2013, Dr. Buck was Assistant Director of Advanced Preclinical Pharmacology at OSI Pharmaceuticals, Inc., a pharmaceutical company acquired by Astellas Pharma Inc., where she led discovery and translational research to advance a series of oncology programs to clinical development. In this role, Dr. Buck managed multidisciplinary global teams and spearheaded major academic collaborations to progress programs to IND. Her expertise and productivity are evidenced by more than 40 peer reviewed publications and patents. Dr. Buck received her undergraduate degree in Physics from the University of New Hampshire, her Ph.D. in Cellular and Molecular Biology from New York University/Mount Sinai School of Medicine, and completed postdoctoral work with Jim Wells at Sunesis Pharmaceuticals, Inc., a publicly traded biopharmaceutical company.

**Karsten Witt, M.D.** has served as our Senior Vice President, Clinical Development since May 2019. Since February 2013, Dr. Witt has served as President of KW Biotech Consulting, LLC, a provider of strategic, scientific

and medical consulting services in drug development. From August 2011 to August 2014, Dr. Witt served as Chair of Scientific Subcommittee for TopoTarget A/S, a Copenhagen-based biotechnology company, until its merger with BioAlliance resulting in the formation of Onxeo SA. Previously, from August 2011 to January 2013, Dr. Witt served as Vice President, Clinical Sciences & Drug Safety at Array BioPharma Inc., a biopharmaceutical company. From 2002 until he joined Array, Dr. Witt served as Senior Vice President, Pharmaceutical Operations at OSI Pharmaceuticals, Inc., a pharmaceutical company acquired by Astellas Pharma, Inc., where he was intimately involved in the development of small-molecule targeted oncology therapies. Dr. Witt received his M.D. from the University of Copenhagen in Denmark and practiced medicine at Hvidovre University Hospital in Copenhagen in the internal medicine subspecialties of gastroenterology, infectious disease, and cardiology, before transitioning to the biopharmaceutical industry.

## Non-employee directors

**Bradley Bolzon, Ph.D.** has been our chairman and a member of our board of directors since December 2017. Dr. Bolzon is Chairman and Managing Director of Versant Venture Management, LLC, where he has been employed since May 2004. Dr. Bolzon previously served as a member of the board of directors of Flexion Therapeutics, Inc., a pharmaceutical company, from its inception in 2007 to June 2014. From February 2000 to May 2004, Dr. Bolzon served as Executive Vice President, Global Head of Business Development, Licensing & Alliances of F. Hoffman-La Roche AG., a multinational healthcare company. Dr. Bolzon also held executive roles at Eli Lilly and Company, a global pharmaceutical company, in drug discovery, clinical research, regulatory affairs and business development. Since April 2014, Dr. Bolzon has served as a member of the board of directors of CRISPR Therapeutics AG, a biotech company. Dr. Bolzon received a Ph.D. in Pharmacology and an M.S. in Pharmacology from the University of Toronto. He conducted post-doctoral work at the University of Ottawa Heart Institute.

We believe that Dr. Bolzon is qualified to serve on our board of directors because of his experience, qualifications, attributes and skills, including his global pharmaceutical industry experience and similar tenure as a venture capitalist.

**Ali Behbahani, M.D.** has been a member of our board of directors since December 2018. Dr. Behbahani joined New Enterprise Associates, Inc., or NEA, in 2007 and is a General Partner on the healthcare team. Dr. Behbahani is currently on the board of directors of Adaptimmune Therapeutics, a biopharmaceutical company, Genocea Biosciences, Inc., a biopharmaceutical company, and CRISPR Therapeutics AG, a biotech company. Prior to joining NEA, Dr. Behbahani served as a consultant in business development at The Medicines Company, a pharmaceutical company. In addition, Dr. Behbahani formerly served as a Venture Associate at Morgan Stanley and as a Healthcare Investment Banking Analyst at Lehman Brothers. Dr. Behbahani received an M.D. from the University of Pennsylvania School of Medicine, an M.B.A. from the Wharton School of the University of Pennsylvania and a B.S. in Biomedical Engineering, Electrical Engineering and Chemistry from Duke University.

We believe that Dr. Behbahani is qualified to serve on our board of directors because of his experience, qualifications, attributes and skills, including his extensive investment experience in the life sciences and his service as a director of other publicly traded companies.

**Samarth Kulkarni, Ph.D.** has been a member of our board of directors since December 2019. Dr. Kulkarni has served as the Chief Executive Officer of CRISPR Therapeutics AG, or CRISPR, a biopharmaceutical company, since December 2017. Prior to that, Dr. Kulkarni served as CRISPR's President and Chief Business Officer from May 2017 to November 2017 and, before that, as Chief Business Officer from August 2015 when he joined the company. Prior to joining CRISPR, Dr. Kulkarni was at McKinsey & Company, a global consulting firm, from 2006

to July 2015, with various titles, his most recent being Partner within the Pharmaceuticals and Biotechnology practice. Dr. Kulkarni received a Ph.D. in Bioengineering and Nanotechnology from the University of Washington and a B. Tech. from the Indian Institute of Technology.

We believe that Dr. Kulkarni is qualified to serve on our board of directors based on his experience as an executive in the biopharmaceutical industry.

**Alexander Mayweg, Ph.D.** has served as a member of our board of directors since March 2017 and, from March 2017 to September 2019, served as our interim Chief Scientific Officer. Dr. Mayweg has served as a Partner at Versant Ventures, a healthcare investment firm, since January 2018, and previously served as a Venture Partner at Versant Ventures from January 2017 to December 2017. Additionally, since April 2017, Dr. Mayweg has served as Chief Scientific Officer at Ridgeline Therapeutics, a Versant Ventures Discovery Engine that creates and operates Versant-financed biotechnology companies in Basel, Switzerland. Prior to joining Versant, from 2013 to 2016, Dr. Mayweg served as Vice President and Global Head of Medicinal Chemistry at F. Hoffmann-La Roche AG, a multinational healthcare company, and held various leadership positions at Roche in pharmaceutical drug discovery and medicinal chemistry across Europe, the U.S. and Asia. Dr. Mayweg graduated with a B.S. in Chemistry from the Imperial College in London and earned a Ph.D. in Organic Chemistry at Oxford University, followed by post-doctorate training at Stanford University.

We believe that Dr. Mayweg is qualified to serve on our board of directors based on his knowledge of the healthcare sector across international markets and his extensive operational experience in the biopharmaceutical industry.

**Garry E. Menzel, Ph.D.** has been a member of our board of directors since March 2017. Since October 2016, Dr. Menzel has served as President and Chief Executive Officer at TCR<sup>2</sup> Therapeutics Inc., a publicly traded immunotherapy company, and is currently a member of the board of directors. Previously, Dr. Menzel was Chief Strategy Officer at Axcella Health Inc., a biotechnology company, from July 2015 to September 2016, the Chief Financial Officer at DaVita Inc., a healthcare services company, from 2013 to May 2015, and the Chief Operating Officer at Regulus Therapeutics Inc., a biopharmaceutical company, from 2008 to 2013. Dr. Menzel also had global leadership roles in running the biotechnology practices at Goldman Sachs & Co. LLC and Credit Suisse Group AG, both of which are multinational investment bank and financial services companies, from 1994 to 2004 and from 2004 to 2008, respectively. In addition, he was a consultant with Bain & Company, a global management consulting firm, and was a research assistant at SmithKline Beecham PLC (now GlaxoSmithKline PLC). Dr. Menzel received his B.S. in Biochemistry from Imperial College of Science and Technology in London, his Ph.D. from the University of Cambridge, where he studied the regulation of oncogenes in immune cells, and his M.B.A. from the Stanford University Graduate School of Business.

We believe that Dr. Menzel is qualified to serve as a member of our board of directors because of his scientific background and extensive corporate leadership experience in the life sciences industry.

**Rajeev Shah** has been a member of our board of directors since December 2018. Since June 2004, Mr. Shah has served as a Managing Director and Portfolio Manager at RA Capital Management, LLC, an investment advisory firm that invests in healthcare companies. Previously, from 2000 to 2004, Mr. Shah was a Senior Project Leader at Altus Pharmaceuticals Inc., a spin-off company of Vertex Pharmaceuticals, where he assessed business processes and implemented system solutions across all areas of science. Mr. Shah served as a member of the board of directors of KalVista Pharmaceuticals, Inc., a biopharmaceutical company, from June 2015 to April 2018, and currently serves on the board of RA Pharmaceuticals, Inc., Solid Biosciences Inc., Eidos Therapeutics, Inc. and Kala Pharmaceuticals, Inc. He is also an active member of the Big Brothers of Massachusetts Bay program. Mr. Shah holds a B.A. in Chemistry from Cornell University.

We believe that Mr. Shah is qualified to serve as a member of our board of directors because of his extensive experience in the biopharmaceutical industry and his experience with venture capital investments.

## **Board composition**

Our board of directors currently consists of seven members, each of whom is a member pursuant to the board composition provisions of our current certificate of incorporation and agreements with our stockholders, which agreements are described in the section of this prospectus titled "Certain Relationships and Related Person Transactions." These board composition provisions will terminate upon the closing of this offering. Upon the termination of these provisions, there will be no further contractual obligations regarding the election of our directors. Our compensation, nomination and corporate governance committee and our board of directors may therefore consider a broad range of factors relating to the qualifications and background of nominees. Our compensation, nomination and corporate governance committee's and our board of directors' priority in selecting board members is identification of persons who will further the interests of our stockholders through their established record of professional accomplishment, the ability to contribute positively to the collaborative culture among board members, knowledge of our business, understanding of the competitive landscape, professional and personal experiences and expertise relevant to our growth strategy. Our directors hold office until their successors have been elected and qualified or until their earlier resignation or removal. Our amended and restated certificate of incorporation and amended and restated bylaws that will become effective upon the closing of this offering also provide that our directors may be removed only for cause by the affirmative vote of the holders of at least two thirds (2/3) of the votes that all our stockholders would be entitled to cast in an annual election of directors, and that any vacancy on our board of directors, including a vacancy resulting from an enlargement of our board of directors, may be filled only by vote of a majority of our directors then in office.

## **Staggered board**

In accordance with the terms of our amended and restated certificate of incorporation and our amended and restated bylaws that will become effective upon the closing of this offering, our board of directors will be divided into three staggered classes of directors and each director will be assigned to one of the three classes. At each annual meeting of the stockholders, one class of directors will be elected for a three-year term to succeed the directors of the same class whose terms are then expiring. The terms of the directors will expire upon the election and qualification of successor directors at the annual meeting of stockholders to be held during the years 2020 for Class I directors, 2021 for Class II directors and 2022 for Class III directors.

- Our Class I directors will be Alexander Mayweg and Rajeev Shah;
- Our Class II directors will be Ali Behbahani, Garry E. Menzel and Samarth Kulkarni; and
- Our Class III directors will be David M. Epstein and Bradley Bolzon.

Our amended and restated certificate of incorporation and amended and restated bylaws that will become effective upon the closing of this offering will provide that the number of our directors shall be fixed from time to time by a resolution of the majority of our board of directors.

The division of our board of directors into three classes with staggered three-year terms may delay or prevent stockholder efforts to effect a change of our management or a change in control.

## **Director independence**

We have applied to list our common stock on The Nasdaq Global Market. Under the Nasdaq listing rules, independent directors must comprise a majority of a listed company's board of directors within twelve months



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from the date of listing. In addition, the Nasdaq listing rules require that, subject to specified exceptions, each member of a listed company's audit, compensation and nominating and governance committees be independent within twelve months from the date of listing. Audit committee members must also satisfy additional independence criteria, including those set forth in Rule 10A-3 under the Securities Exchange Act of 1934, as amended, or the Exchange Act, and compensation committee members must also satisfy the independence criteria set forth in Rule 10C-1 under the Exchange Act. Under Nasdaq listing rules, a director will only qualify as an "independent director" if, in the opinion of that company's board of directors, that person does not have a relationship that would interfere with the exercise of independent judgment in carrying out the responsibilities of a director. In order to be considered independent for purposes of Rule 10A-3 under the Exchange Act, a member of an audit committee of a listed company may not, other than in his or her capacity as a member of the audit committee, the board of directors, or any other board committee: (1) accept, directly or indirectly, any consulting, advisory, or other compensatory fee from the listed company or any of its subsidiaries, other than compensation for board service; or (2) be an affiliated person of the listed company or any of its subsidiaries. In order to be considered independent for purposes of Rule 10C-1, the board of directors must consider, for each member of a compensation committee of a listed company, all factors specifically relevant to determining whether a director has a relationship to such company which is material to that director's ability to be independent from management in connection with the duties of a compensation committee member, including, but not limited to: the source of compensation of the director, including any consulting advisory or other compensatory fee paid by such company to the director, and whether the director is affiliated with the company or any of its subsidiaries or affiliates.

In December 2019, our board of directors undertook a review of the composition of our board of directors and its committees and the independence of each director. Based upon information requested from and provided by each director concerning his background, employment and affiliations, including family relationships, our board of directors has determined that all members of our board of directors, except David M. Epstein, Alexander Mayweg and Bradley Bolzon, are independent directors, including for purposes of Nasdaq and the SEC rules. In making that determination, our board of directors considered the relationships that each director has with us and all other facts and circumstances the board of directors deemed relevant in determining independence, including the potential deemed beneficial ownership of our capital stock by each director, including non-employee directors that are affiliated with certain of our major stockholders. Upon the completion of this offering, we expect that the composition and functioning of our board of directors and each of our committees will comply with all applicable requirements of Nasdaq and the rules and regulations of the SEC. There are no family relationships among any of our directors or executive officers.

We intend to adopt a policy, subject to and effective upon the effectiveness of the registration statement of which this prospectus forms a part, that outlines a process for our securityholders to send communications to the board of directors.

### **Board committees**

Our board of directors has established an audit committee and a compensation, nomination and corporate governance committee, each of which will operate pursuant to a charter to be adopted by our board of directors and will be effective upon the effectiveness of the registration statement of which this prospectus forms a part. We believe that the composition and functioning of all of our committees will comply with the applicable requirements of Nasdaq, the Sarbanes-Oxley Act of 2002 and SEC rules and regulations that will be applicable to us. We intend to comply with future requirements to the extent they become applicable to us.

Following the consummation of this offering, the full text of our audit committee charter and compensation, nomination and corporate governance charter will be posted on the investor relations portion of our website at



<https://www.blackdiamondtherapeutics.com/>. We do not incorporate the information contained on, or accessible through, our corporate website into this prospectus, and you should not consider it a part of this prospectus.

**Audit committee**

Upon the effectiveness of the registration statement of which this prospectus forms a part, our audit committee will consist of Garry E. Menzel, Ali Behbahani and Rajeev Shah and will be chaired by Garry E. Menzel. The functions of the audit committee will include:

- appointing, approving the compensation of, and assessing the independence of our independent registered public accounting firm;
- pre-approving auditing and permissible non-audit services, and the terms of such services, to be provided by our independent registered public accounting firm;
- reviewing the overall audit plan with our independent registered public accounting firm and members of management responsible for preparing our financial statements;
- reviewing and discussing with management and our independent registered public accounting firm our annual and quarterly financial statements and related disclosures as well as critical accounting policies and practices used by us;
- coordinating the oversight and reviewing the adequacy of our internal control over financial reporting;
- establishing policies and procedures for the receipt and retention of accounting-related complaints and concerns;
- recommending based upon the audit committee's review and discussions with management and our independent registered public accounting firm whether our audited financial statements shall be included in our Annual Report on Form 10-K;
- monitoring the integrity of our financial statements and our compliance with legal and regulatory requirements as they relate to our financial statements and accounting matters;
- preparing the audit committee report required by SEC rules to be included in our annual proxy statement;
- reviewing all related person transactions for potential conflict of interest situations and approving all such transactions; and
- reviewing quarterly earnings releases.

All members of our audit committee will meet the requirements for financial literacy under the applicable rules and regulations of the SEC and the Nasdaq listing rules. Our board of directors has determined that Garry E. Menzel qualifies as an "audit committee financial expert" within the meaning of applicable SEC regulations. In making this determination, our board of directors considered the nature and scope of experience that Garry E. Menzel has previously had with public reporting companies, including service as Chief Executive Officer of TCR<sup>2</sup> Therapeutics Inc. Our board of directors has determined that all of the directors that will become members of our audit committee upon the effectiveness of the registration statement of which this prospectus forms a part satisfy the relevant independence requirements for service on the audit committee set forth in the rules of the SEC and the Nasdaq listing rules. Both our independent registered public accounting firm and management will periodically meet privately with our audit committee.

**Compensation, nomination and corporate governance committee**

Upon the effectiveness of the registration statement of which this prospectus forms a part, our compensation, nomination and corporate governance committee will consist of Ali Behbahani, Garry E. Menzel and Samarth Kulkarni, and will be chaired by Ali Behbahani. The functions of the compensation, nomination and corporate governance committee upon the completion of this offering will include:

- annually reviewing and recommending to the board of directors the corporate goals and objectives relevant to the compensation of our Chief Executive Officer;
- evaluating the performance of our Chief Executive Officer in light of such corporate goals and objectives and based on such evaluation (i) reviewing and determining the cash compensation of our Chief Executive Officer and (ii) reviewing and approving grants and awards to our Chief Executive Officer under equity-based plans;
- reviewing and approving the compensation of our other executive officers;
- reviewing and establishing our overall management compensation, philosophy and policy;
- overseeing and administering our compensation and similar plans;
- evaluating and assessing potential and current compensation advisors in accordance with the independence standards identified in the applicable Nasdaq listing rules;
- reviewing and approving our policies and procedures for the grant of equity-based awards;
- reviewing and recommending to the board of directors the compensation of our directors;
- preparing our compensation committee report if and when required by SEC rules;
- reviewing and discussing annually with management our "Compensation Discussion and Analysis," if and when required, to be included in our annual proxy statement;
- reviewing and approving the retention or termination of any consulting firm or outside advisor to assist in the evaluation of compensation matters;
- developing and recommending to the board of directors criteria for board and committee membership;
- establishing procedures for identifying and evaluating board of director candidates, including nominees recommended by stockholders;
- reviewing the composition of the board of directors to ensure that it is composed of members containing the appropriate skills and expertise to advise us;
- identifying individuals qualified to become members of the board of directors;
- recommending to the board of directors the persons to be nominated for election as directors and to each of the board's committees;
- developing and recommending to the board of directors a code of business conduct and ethics and a set of corporate governance guidelines; and
- overseeing the evaluation of our board of directors and management.

Each member of our compensation, nomination and corporate governance committee will be a non-employee director, as defined in Rule 16b-3 promulgated under the Exchange Act.

Our board of directors may from time to time establish other committees.

## **Compensation, nomination and corporate governance committee interlocks and insider participation**

None of the members of our compensation, nomination and corporate governance committee is, or has at any time during the prior three years been, one of our officers or employees. None of our executive officers currently serve, or have in the past fiscal year served, as a member of the board of directors or compensation, nomination and corporate governance committee of any entity that has one or more of its executive officers serving as a member of our board of directors or our compensation, nomination and corporate governance committee.

## **Code of business conduct and ethics**

Our board of directors intends to adopt, subject to and effective upon the effectiveness of the registration statement of which this prospectus forms a part, a Code of Business Conduct and Ethics in connection with this offering. The Code of Business Conduct and Ethics will apply to all of our employees, officers (including our principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions), agents and representatives, including directors and consultants.

We intend to disclose future amendments to certain provisions of our Code of Business Conduct and Ethics and our Code of Ethics on our website identified below. Upon the completion of this offering, the full text of our Code of Business Conduct and Ethics and our Code of Ethics will be posted on our website at <http://www.blackdiamondtherapeutics.com>. The inclusion of our website address in this prospectus does not include or incorporate by reference the information on our website into this prospectus, and you should not consider that information a part of this prospectus.

## **Limitations on liability and indemnification agreements**

As permitted by Delaware law, provisions in our amended and restated certificate of incorporation and amended and restated bylaws, both of which will become effective upon the closing of this offering, limit or eliminate the personal liability of directors for a breach of their fiduciary duty of care as a director. The duty of care generally requires that, when acting on behalf of the corporation, a director exercise an informed business judgment based on all material information reasonably available to him or her. Consequently, a director will not be personally liable to us or our stockholders for monetary damages or breach of fiduciary duty as a director, except for liability for:

- any breach of the director's duty of loyalty to us or our stockholders;
- any act or omission not in good faith or that involves intentional misconduct or a knowing violation of law;
- any act related to unlawful stock repurchases, redemptions or other distributions or payments of dividends; or
- any transaction from which the director derived an improper personal benefit.

These limitations of liability do not limit or eliminate our rights or any stockholder's rights to seek non-monetary relief, such as injunctive relief or rescission. These provisions will not alter a director's liability under other laws, such as the federal securities laws or other state or federal laws. Our amended and restated certificate of incorporation that will become effective upon the closing of this offering also authorizes us to indemnify our officers, directors and other agents to the fullest extent permitted under Delaware law.

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As permitted by Delaware law, our amended and restated bylaws to be effective upon the consummation of this offering will provide that:

- we will indemnify our directors, officers, employees and other agents to the fullest extent permitted by law;
- we must advance expenses to our directors and officers, and may advance expenses to our employees and other agents, in connection with a legal proceeding to the fullest extent permitted by law; and
- the rights provided in our amended and restated bylaws are not exclusive.

If Delaware law is amended to authorize corporate action further eliminating or limiting the personal liability of a director or officer, then the liability of our directors or officers will be so eliminated or limited to the fullest extent permitted by Delaware law, as so amended. Our amended and restated bylaws will also permit us to secure insurance on behalf of any officer, director, employee or other agent for any liability arising out of his or her actions in connection with their services to us, regardless of whether our bylaws permit such indemnification. We have obtained such insurance.

In addition to the indemnification that will be provided for in our amended and restated certificate of incorporation and amended and restated bylaws, we plan to enter into separate indemnification agreements with each of our directors and executive officers, which may be broader than the specific indemnification provisions contained in the Delaware General Corporation Law. These indemnification agreements may require us, among other things, to indemnify our directors and executive officers for some expenses, including attorneys' fees, expenses, judgments, fines and settlement amounts incurred by a director or executive officer in any action or proceeding arising out of his service as one of our directors or executive officers or any other company or enterprise to which the person provides services at our request. We believe that these provisions and agreements are necessary to attract and retain qualified individuals to serve as directors and executive officers.

This description of the indemnification provisions of our amended and restated certificate of incorporation, our amended and restated bylaws and our indemnification agreements is qualified in its entirety by reference to these documents, each of which is attached as an exhibit to the registration statement of which this prospectus forms a part.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to our directors, officers and controlling persons pursuant to the foregoing provisions, or otherwise, we have been advised that, in the opinion of the SEC, such indemnification is against public policy as expressed in the Securities Act, and is, therefore, unenforceable.

There is no pending litigation or proceeding naming any of our directors or officers as to which indemnification is being sought, nor are we aware of any pending or threatened litigation that may result in claims for indemnification by any director or officer.

# Executive compensation

## Overview

The following discussion contains forward-looking statements that are based on our current plans, considerations, expectations and determinations regarding future compensation programs. The actual amount and form of compensation and the compensation policies and practices that we adopt in the future may differ materially from currently planned programs as summarized in this discussion.

As an “emerging growth company,” we have opted to comply with the executive compensation disclosure rules applicable to “smaller reporting companies,” as such term is defined in the rules promulgated under the Securities Act. This section provides an overview of the compensation awarded to, earned by, or paid to each individual who served as our principal executive officer during our fiscal year 2019, and our next two most highly compensated executive officers in respect of their service to our company for fiscal year 2019. We refer to these individuals as our named executive officers. Our named executive officers for fiscal year 2019 are:

- David M. Epstein, Ph.D., our President, Chief Executive Officer;
- Thomas Leggett, our Chief Financial Officer; and
- Christopher D. Roberts, Ph.D., our Chief Scientific Officer.

Our executive compensation program is based on a pay for performance philosophy. Compensation for Dr. Epstein, Mr. Leggett and Dr. Roberts and our executive officers is composed primarily of the following main components: base salary, bonus, and equity incentives in the form of stock options. Like all full-time employees, our executive officers are eligible to participate in our health and welfare benefit plans. As we transition from a private company to a publicly traded company, we intend to evaluate our compensation philosophy and compensation plans and arrangements as circumstances require.

## 2019 Summary Compensation Table

The following table provides information regarding the total compensation, for services rendered in all capacities, that was earned by our named executive officers during fiscal year 2019 as well as, for Dr. Epstein, during fiscal year 2018.

Name and Principal Position	Year	Salary (\$)	Bonus (\$)(1)	Option Awards (\$)(2)	Non-Equity Incentive Plan Compensation (\$)(3)	All other Compensation (\$)(4)	Total (\$)
David M. Epstein, Ph.D. <i>President, Chief Executive Officer (5)</i>	2018	214,250	—	—	93,267	8,400	315,917
	2019	428,904	—	2,728,815	171,562	16,800	3,346,081
Thomas Leggett <i>Chief Financial Officer (6)</i>	2019	112,292	62,500	1,806,226	35,000	10,603	2,026,621
Christopher D. Roberts, Ph.D. <i>Chief Scientific Officer (6)</i>	2019	110,271	—	1,559,875	33,500	6,735	1,710,381

(1) The amount reported represents the first installment of a \$125,000 one-time sign-on bonus to be paid to Mr. Leggett. The second installment of \$62,500 will be paid with the first paycheck after the first year anniversary of his employment, subject to his employment with the company through such date.

(2) The amount reported represents the aggregate grant date fair value of the stock options awarded to each executive during fiscal year 2019, calculated in accordance with Financial Accounting Standards Board, or FASB, Accounting Standards Codification, or ASC, Topic 718. Such grant

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date fair value does not take into account any estimated forfeitures. The assumptions used in calculating the grant date fair value of the stock option reported in this column are set forth in note 9 of our consolidated financial statements included elsewhere in this prospectus. The amount reported in this column reflects the accounting cost for the stock option and does not correspond to the actual economic value that may be received upon the exercise of the stock option or any sale of the underlying shares of common stock.

- (3) The amounts reported for fiscal year 2019 reflect estimated discretionary bonuses that are anticipated to be paid to Dr. Epstein, Mr. Leggett and Dr. Roberts based upon achievement of certain company and individual performance metrics. The final amounts will be determined by our board of directors in early 2020 and may vary from what is currently set forth in the table above.
- (4) The amount reported for fiscal year 2018 represents the amount of contributions made by us to the Simplified Employee Pension Plan of Dr. Epstein. The amounts reported for fiscal year 2019 represent the amount of contributions made by us to the Simplified Employee Pension Plans of Dr. Epstein, Mr. Leggett and Dr. Roberts.
- (5) The amount reported for Dr. Epstein represents the total salary Dr. Epstein received for his part-time service to us in fiscal year 2018.
- (6) Mr. Leggett and Dr. Roberts joined our company on September 5, 2019 and September 3, 2019, respectively. The amounts reported represent the compensation each received during their partial year of service for fiscal year 2019.

## **Narrative to 2019 Summary Compensation Table**

### ***Base Salaries***

We use base salaries to recognize the experience, skills, knowledge and responsibilities required of all our employees, including our named executive officers employed by the Company. Base salaries are generally reviewed annually, typically in connection with our annual performance review process, and adjusted from time to time to realign salaries with market levels after taking into account individual responsibilities, performance and experience. For fiscal year 2019, the annual base salaries for Dr. Epstein Mr. Leggett and Dr. Roberts were \$428,904, \$350,000 and \$335,000, respectively.

### ***Annual Bonuses***

During fiscal year 2019, Dr. Epstein Mr. Leggett and Dr. Roberts earned bonuses as set forth in the 2019 Summary Compensation Table above based on company and individual performance metrics.

### ***Equity Compensation***

Although we do not have a formal policy with respect to the grant of equity incentive awards to our executive officers, we believe that equity grants provide our executives with a strong link to our long-term performance, create an ownership culture and help to align the interests of our executives and our stockholders. In addition, we believe that equity grants with a time-based vesting feature promote executive retention because this feature incentivizes our executive officers to remain in our employment during the vesting period. Accordingly, our board of directors periodically reviews the equity incentive compensation of our named executive officers and from time to time may grant equity incentive awards to them. During fiscal year 2019, we granted an option to purchase shares of our common stock to Dr. Epstein, Mr. Leggett and Dr. Roberts, as described in more detail in the "Outstanding Equity Awards at Fiscal 2019 Year End" table.

### ***Perquisites***

We generally do not provide perquisites to our executives, other than company-paid executive life insurance and executive long-term disability insurance premiums, reimbursement for relocation expenses and certain other de minimis perquisites to our executive officers, including our named executive officers.

## Executive Employment Arrangements

### *Employment Agreements and Offer Letters in Place During the Year Ended December 31, 2019 for Named Executive Officers*

#### *David M. Epstein, Ph.D.*

In March 2017, we entered into an employment agreement with Dr. Epstein for the position of President and Chief Executive Officer. The employment agreement provided for Dr. Epstein's employment and set forth his annual base salary, his discretionary annual bonus, the term of his employment, certain expense reimbursements, and his eligibility to participate in our benefit plans generally. Dr. Epstein is subject to our standard employment, confidential information, return of property, non-competition, non-solicitation, invention assignment and arbitration agreements, as provided in his employment agreement, as may be amended from time to time.

Pursuant to his employment agreement, in the event of a termination of his employment by the company without "cause" (as defined in Dr. Epstein's employment agreement) or Dr. Epstein's resignation from the company for "good reason" (as defined in Dr. Epstein's employment agreement), in either case upon the occurrence of, or within the six months following the effective date of a "change in control" (as defined in Dr. Epstein's employment agreement), subject to Dr. Epstein's execution of an effective release of claims in favor of the company, Dr. Epstein is eligible to receive the following severance benefits: (i) continuation of salary payments at the base salary rate effective at the time of termination for a period of twelve months following the termination date; (ii) immediate acceleration of all stock options and other stock-based awards held by Dr. Epstein, and (iii) up to twelve months of the applicable monthly "benefit payment" (as defined in Dr. Epstein's employment agreement). In the event of a termination of his employment by the company without cause or Dr. Epstein's resignation from the company for good reason, in either case other than in connection with a change in control, subject to Dr. Epstein's execution of an effective release of claims in favor of the company, Dr. Epstein is eligible to receive the following severance benefits: (i) continuation of salary payments at the base salary rate effective at the time of termination for a period of twelve months following the termination date; (ii) partial accelerated vesting of Dr. Epstein's outstanding stock options with respect to the same number of shares that would have vested if he had continued in employment with the Company through the next anniversary of the grant date for such option, in accordance with the vesting schedule applicable to such option, provided that if the termination date falls on an anniversary of the grant date of any stock option, no accelerated vesting will be provided for such option; and (iii) up to twelve months of the applicable monthly "benefit payment" (as defined in Dr. Epstein's employment agreement). In the event of a termination of his employment by death or "complete disability" (as defined in Dr. Epstein's employment agreement), and subject to Dr. Epstein's (or his estate's or heirs', as applicable) execution of an effective release of claims in favor of the Company, Dr. Epstein is eligible to receive the following severance benefits: (i) continuation of salary payments at the base salary rate effective at the time of termination for a period of 90 days following the termination date; (ii) partial accelerated vesting of Dr. Epstein's outstanding stock options with respect to the same number of shares that would have vested if he had continued in employment with the Company through the next anniversary of the grant date for such option, in accordance with the vesting schedule applicable to such option, provided that if the termination date falls on an anniversary of the grant date of any stock option, no accelerated vesting will be provided for such option; and (iii) up to three months of the applicable monthly "benefit payment."

#### *Thomas Leggett*

In August 2019, we entered into an offer letter with Mr. Leggett for the position of Chief Financial Officer. The offer letter provided for Mr. Leggett's at-will employment and set forth his annual base salary, his discretionary annual bonus, signing bonus and his eligibility to participate in our benefit plans generally.

Pursuant to his offer letter, in the event he is terminated by the company without cause or Mr. Leggett resigns from the company for good reason, in either case upon or within 6 months after a change in control, Mr. Leggett is eligible to receive the following severance benefits: (i) continuation of salary payments at the base salary rate effective at the time of termination for a period of twelve months following the termination date; (ii) an amount equal to his target bonus for the then-current year; (iii) immediate acceleration of all stock options and other stock-based awards held by Mr. Leggett; and (iv) up to twelve months of COBRA premiums reimbursements. In the event he is terminated by the company without cause or resigns from the company for good reason not in connection with a change in control, Mr. Leggett is eligible to receive the following severance benefits: (i) continuation of salary payments at the base salary rate effective at the time of termination for a period of twelve months following the termination date; (ii) an amount equal to his target bonus for the then-current year; and (iii) up to twelve months of COBRA premiums reimbursements. Mr. Leggett is subject to the employment, confidentiality, return of property, non-competition, non-solicitation, intellectual property, and invention assignment agreements as provided in his offer letter.

*Christopher D. Roberts, Ph.D.*

In August 2019, we entered into an offer letter with Dr. Roberts for the position of Chief Scientific Officer. The offer letter provided for Dr. Roberts' at-will employment and set forth his annual base salary, his discretionary annual bonus and his eligibility to participate in our benefit plans generally.

Pursuant to his offer letter, in the event he is terminated by the company without cause or Dr. Roberts resigns from the company for good reason, in either case upon or within 6 months after a change in control, Dr. Roberts is eligible to receive the following severance benefits: (i) continuation of salary payments at the base salary rate effective at the time of termination for a period of twelve months following the termination date; (ii) an amount equal to his target bonus for the then-current year; (iii) immediate acceleration of all stock options and other stock-based awards held by Dr. Roberts; and (iv) up to twelve months of COBRA premiums reimbursements. In the event he is terminated by the company without cause or resigns from the company for good reason not in connection with a change in control, Dr. Roberts is eligible to receive the following severance benefits: (i) continuation of salary payments at the base salary rate effective at the time of termination for a period of twelve months following the termination date; (ii) an amount equal to his target bonus for the then-current year; and (iii) up to twelve months of COBRA premiums reimbursements. Dr. Roberts is subject to the employment, confidentiality, return of property, non-competition, non-solicitation, intellectual property, and invention assignment agreements as provided in his offer letter.

#### ***Employment Agreements Entered into in Connection with our Initial Public Offering***

We have entered into new employment agreements with each of the named executive officers, which shall replace each named executive officer's existing employment agreement or offer letter effective upon our initial public offering. The new employment agreements provide for Dr. Epstein's, Mr. Leggett's and Dr. Roberts' continued employment and set forth their new annual base salary of \$515,000, \$390,000 and \$375,000, respectively, the terms of their discretionary annual bonus, the term of their employment, certain expense reimbursements, and their eligibility to participate in our benefit plans generally. Pursuant to the new employment agreements, in the event that the named executive officer's service relationship with the company is terminated without "cause" (as defined in their employment agreements) or upon the named executive officer's resignation from the company for "good reason" (as defined in their employment agreements), in either case within 12 months after the occurrence of the first event constituting a "change in control" (as defined in their employment agreements), subject to the execution of an effective release of claims in favor of the company, the named executive officer may be entitled to the following severance benefits: (i) a lump sum payment equal to twelve months (or in the case of Dr. Epstein, eighteen months) of his then current base salary or the base salary in effect immediately prior to the change in control, if higher; (ii) an amount equal to his



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annual target bonus for the then-current year (or in the case of Dr. Epstein, equal to eighteen months of his target bonus for the then-current year); (iii) immediate acceleration of all stock options and other stock-based awards held by the named executive officer; and (iv) up to twelve months (or in the case of Dr. Epstein, eighteen months) of COBRA premiums reimbursements. Upon the termination of a named executive officer's service relationship by the company without cause or upon the named executive officer's resignation from the company for good reason, in either case other than in connection with a change in control, subject to the execution of an effective release of claims in favor of the company, the named executive officer may be entitled to the following severance benefits: (i) continuation of salary payments at the base salary rate effective at the time of termination for a period of twelve months following the termination date; (ii) an amount equal to his target bonus for the then-current year; (iii) up to twelve months of COBRA premiums reimbursements; and, in the case of Dr. Epstein only, (iv) partial accelerated vesting of Dr. Epstein's outstanding stock options with respect to the same number of shares that would have vested if he had continued in employment with the Company through the next anniversary of the grant date for such option, in accordance with the vesting schedule applicable to such option, provided that if the termination date falls on an anniversary of the grant date of any stock option, no accelerated vesting will be provided for such option. Furthermore, for Dr. Epstein only, in the event of a termination of his employment by death or "disability" (as defined in Dr. Epstein's employment agreement), and subject to Dr. Epstein's (or his estate's or heirs', as applicable) execution of an effective release of claims in favor of the Company, Dr. Epstein is eligible to receive the following severance benefits: (i) continuation of salary payments at the base salary rate effective at the time of termination for a period of 75 days following the termination date; and (ii) partial accelerated vesting of Dr. Epstein's outstanding stock options with respect to the same number of shares that would have vested if he had continued in employment with the Company through the next anniversary of the grant date for such option, in accordance with the vesting schedule applicable to such option, provided that if the termination date falls on an anniversary of the grant date of any stock option, no accelerated vesting will be provided for such option.

In addition, each of our named executive officers have entered into an agreement with us, which contains protections of confidential information, requires the assignment of inventions and contains other restrictive covenants.

### Outstanding Equity Awards at Fiscal 2019 Year-End

The following table sets forth information regarding outstanding equity awards held by our named executive officers as of fiscal year 2019:

Name	Vesting Commencement Date	Option Awards <sup>(1)</sup>			
		Number of Securities Underlying Unexercised Options (#) Exercisable	Number of Securities Underlying Unexercised Options (#) Unexercisable <sup>(2)</sup>	Option Exercise Price (\$)	Option Expiration Date
David M. Epstein, Ph.D.	8/14/2019	—	737,717	2.13	8/13/2029
	12/5/2019	—	850,000	3.60	12/4/2029
Thomas Leggett	9/5/2019	—	703,200	3.60	9/8/2029
	12/5/2019	—	167,500	3.60	12/4/2029
Christopher D. Roberts, Ph.D.	9/3/2019	—	586,000	3.60	9/8/2029
	12/5/2019	—	165,000	3.60	12/4/2029

(1) Each equity award is subject to the terms of our 2017 Plan

- (2) 25% of the shares subject to the stock option vest on the first anniversary of the vesting commencement date and the remaining 75% vest in 36 equal monthly installments thereafter, generally subject to the named executive officer's continuous service relationship with the company through each applicable vesting date.

## **Equity Grants in Connection with our Initial Public Offering**

Our board of directors approved stock option grants to certain employees, including our named executive officers, in December 2019 that will be effective upon our initial public offering. The stock options will be granted under our 2020 Stock Option and Incentive Plan and have an exercise price equal to the "Price to the Public" (or equivalent) set forth on the cover page of the final prospectuses included in this registration statement, which will be the fair market value of a share of the Company's common stock on the grant date of the options. The options will vest and become exercisable as follows: 25% of the shares subject to each stock option shall vest on the first anniversary of the vesting commencement date and the remaining 75% of the shares subject to each stock option shall vest in 36 equal monthly installments thereafter, subject to the named executive officer's continued service to us through each applicable vesting date. We granted options to purchase an aggregate of 1,500,000 shares of common stock, with Dr. Epstein, Mr. Leggett and Dr. Roberts being granted options to purchase 840,000, 167,500 and 165,000 shares of our common stock, respectively.

## **Employee Benefits and Stock Plans**

### ***2020 Stock Option and Incentive Plan***

Our 2020 Stock Option and Incentive Plan, or 2020 Plan, was adopted by our board of directors in December 2019 and approved by our stockholders in \_\_\_\_\_ and will become effective on the day before the date on which the registration statement of which this prospectus is part is declared effective by the SEC. The 2020 Plan will replace the 2017 Plan as our board of directors has determined not to make additional awards under the 2017 Plan following the completion of our initial public offering. However, the 2017 Plan will continue to govern outstanding equity awards granted thereunder. The 2020 Plan will allow the compensation, nomination and corporate governance committee to make equity-based incentive awards to our officers, employees, directors and other key persons, including consultants.

*Authorized Shares.* We have initially reserved \_\_\_\_\_ shares of our common stock for the issuance of awards under the 2020 Plan. The 2020 Plan provides that the number of shares reserved and available for issuance under the 2020 Plan will automatically increase each January 1, beginning on January 1, 2021, by 4% of the outstanding number of shares of our common stock on the immediately preceding December 31 or such lesser number of shares as determined by our compensation, nomination and corporate governance committee. This number will be subject to adjustment in the event of a stock split, stock dividend or other change in our capitalization. The shares we issue under the 2020 Plan will be authorized but unissued shares or shares that we reacquire. The shares of common stock underlying any awards that are forfeited, cancelled, held back upon exercise or settlement of an award to satisfy the exercise price or tax withholding, reacquired by us prior to vesting, satisfied without the issuance of stock, expire or are otherwise terminated, other than by exercise, under the 2020 Plan and the 2017 Plan will be added back to the shares of common stock available for issuance under the 2020 Plan. The maximum number of shares of common stock that may be issued as incentive stock options in any one calendar year period may not exceed \_\_\_\_\_, cumulatively increased on January 1, \_\_\_\_\_ and on each January 1 thereafter by the lesser of 4% of the number of outstanding shares of common stock as of the immediately preceding December 31, or \_\_\_\_\_ shares.

*Non-Employee Director Limit.* Our 2020 Plan contains a limitation whereby the value of all awards under our 2020 Plan and all other cash compensation paid by us to any non-employee director may not exceed: (i) \$1,000,000 in the first calendar year an individual becomes a non-employee director and (ii) \$750,000 in any other calendar year.

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**Administration.** The 2020 Plan will be administered by our compensation, nomination and corporate governance committee. Our compensation, nomination and corporate governance committee will have full power to select, from among the individuals eligible for awards, the individuals to whom awards will be granted, to make any combination of awards to participants, and to determine the specific terms and conditions of each award, subject to the provisions of the 2020 Plan.

**Eligibility.** Persons eligible to participate in the 2020 Plan will be those employees, non-employee directors and consultants, as selected from time to time by our compensation, nomination and corporate governance committee in its discretion.

**Options.** The 2020 Plan permits the granting of both options to purchase common stock intended to qualify as incentive stock options under Section 422 of the Code and options that do not so qualify. The option exercise price of each option will be determined by our compensation, nomination and corporate governance committee but may not be less than 100% of the fair market value of our common stock on the date of grant unless the option is granted (i) pursuant to a transaction described in, and in a manner consistent with, Section 424(a) of the Code or (ii) to individuals who are not subject to U.S. income tax. The term of each option will be fixed by our compensation, nomination and corporate governance committee and may not exceed 10 years from the date of grant. Our compensation, nomination and corporate governance committee will determine at what time or times each option may be exercised.

**Stock Appreciation Rights.** Our compensation, nomination and corporate governance committee may award stock appreciation rights subject to such conditions and restrictions as it may determine. Stock appreciation rights entitle the recipient to shares of common stock, or cash, equal to the value of the appreciation in our stock price over the exercise price. The exercise price may not be less than 100% of the fair market value of our common stock on the date of grant. The term of each stock appreciation right will be fixed by our compensation, nomination and corporate governance committee and may not exceed 10 years from the date of grant. Our compensation, nomination and corporate governance committee will determine at what time or times each stock appreciation right may be exercised.

**Restricted Stock and Restricted Stock Units.** Our compensation, nomination and corporate governance committee may award restricted shares of common stock and restricted stock units to participants subject to such conditions and restrictions as it may determine. These conditions and restrictions may include the achievement of certain performance goals and/or continued employment with us through a specified vesting period.

**Unrestricted Stock Awards.** Our compensation, nomination and corporate governance committee may grant shares of common stock that are free from any restrictions under the 2020 Plan. Unrestricted stock may be granted to participants in recognition of past services or for other valid consideration and may be issued in lieu of cash compensation due to such participant.

**Dividend Equivalent Rights.** Our compensation, nomination and corporate governance committee may grant dividend equivalent rights to participants that entitle the recipient to receive credits for dividends that would be paid if the recipient had held a specified number of shares of common stock.

**Cash-Based Awards.** Our compensation, nomination and corporate governance committee may grant cash bonuses under the 2020 Plan to participants, subject to the achievement of certain performance goals.

**Sale Event.** The 2020 Plan provides that upon the effectiveness of a "sale event," as defined in the 2020 Plan, an acquirer or successor entity may assume, continue or substitute for the outstanding awards under the 2020 Plan. To the extent that awards granted under the 2020 Plan are not assumed or continued or substituted by the successor entity, all unvested awards granted under the 2020 Plan shall terminate. In such case, except as may be otherwise provided in the relevant award agreement, all options and stock appreciation rights with

time-based vesting, conditions or restrictions that are not exercisable immediately prior to the sale event will become fully exercisable as of the sale event, all other awards with time-based vesting, conditions or restrictions will become fully vested and nonforfeitable as of the sale event, and all awards with conditions and restrictions relating to the attainment of performance goals may become vested and nonforfeitable in connection with the sale event in the plan administrator's discretion or to the extent specified in the relevant award agreement. In the event of such termination, individuals holding options and stock appreciation rights will be permitted to exercise such options and stock appreciation rights (to the extent exercisable) prior to the sale event. In addition, in connection with the termination of the 2020 Plan upon a sale event, we may make or provide for a cash payment to participants holding vested and exercisable options and stock appreciation rights equal to the difference between the per share cash consideration payable to stockholders in the sale event and the exercise price of the options or stock appreciation rights.

*Amendment.* Our board of directors may amend or discontinue the 2020 Plan and our compensation, nomination and corporate governance committee can amend or cancel outstanding awards for purposes of satisfying changes in law or any other lawful purpose, but no such action may adversely affect rights under an award without the holder's consent. Our compensation, nomination and corporate governance committee is specifically authorized to exercise its discretion to reduce the exercise price of outstanding stock options or effect the repricing of such stock options through cancellation and re-grants without additional stockholder approval. Certain amendments to the 2020 Plan will require the approval of our stockholders.

No awards may be granted under the 2020 Plan after the date that is 10 years from the date of stockholder approval of the 2020 Plan. No awards under the 2020 Plan have been made prior to the date hereof.

#### **2017 Employee, Director and Consultant Equity Incentive Plan**

Our 2017 Plan was approved by our board of directors and our stockholders in March 2017 and most recently amended by our board of directors in November 2019. As of December 31, 2018 and September 30, 2019, we reserved an aggregate of 5,413,708 and 7,006,573 shares, respectively, of our common stock for the grant or issuance of options and other equity awards under the 2017 Plan. This number is subject to adjustment in the event of a stock split, stock dividend, or other change in our capitalization. As of December 31, 2018 and September 30, 2019, options to purchase 143,970 and 4,850,721 shares, respectively, of our common stock at a weighted average exercise price of \$0.22 and \$2.22 per share, respectively, and 400,039 and 378,503 shares, respectively, of unvested restricted stock were outstanding under the 2017 Plan, and 4,714,278 and 1,460,392 shares, respectively, remained available for future grant or issuance under the 2017 Plan. Following this offering, we will not grant or issue any further awards under our 2017 Plan, but all outstanding awards under the 2017 Plan will continue to be governed by their existing terms.

*Authorized Shares.* The shares we have issued under the 2017 Plan were authorized but unissued shares or shares we reacquired. The shares of common stock underlying any awards that are forfeited, canceled, reacquired by us prior to vesting, satisfied without the issuance of stock, or otherwise terminated (other than by exercise) and the shares of common stock that are withheld upon exercise of a stock option or settlement of an award to cover the exercise price or tax withholding, are currently added back to the shares of common stock available for issuance under the 2017 Plan. Following this offering, such shares will be added to the shares of common stock available for issuance under the 2020 Plan.

*Administration.* The 2017 Plan is currently administered by the compensation committee of the board of directors. The plan administrator has the authority to interpret and administer our 2017 Plan and any agreement thereunder and to determine the terms of awards, including the recipients, the number of shares subject to each award, the exercise price, if any, the vesting schedule applicable to the awards together with any vesting acceleration and the terms of the award agreement for use under our 2017 Plan. The plan

administrator is specifically authorized to exercise its discretion to reduce or increase the exercise price of outstanding stock options or effect the repricing of stock options through cancellation and re-grants.

*Eligibility.* The 2017 Plan permits us to make grants of incentive stock options to our employees and any of our subsidiary corporations' employees, and grants of non-qualified stock options, restricted stock awards and unrestricted stock awards to the officers, employees, directors, and consultants of the company and our subsidiary corporations.

*Options.* The 2017 Plan permits the granting of (i) stock options to purchase common stock intended to qualify as incentive stock options under Section 422 of the Internal Revenue Code and (ii) stock options that do not so qualify. The option exercise price per share of our common stock underlying each stock option was determined by our board or directors or a committee appointed by the board of directors, and must have been at least equal to 100% of the fair market value of a share of our common stock on the date of grant. In the case of an incentive stock option granted to a participant who, at the time of grant of such stock option, owned stock representing more than 10% of the voting power of stock of the company, or a 10% owner, the exercise price per share of our common stock underlying each such stock option must have been at least equal to 110% of the fair market value of a share of our common stock on the date of grant. The term of each stock option may not have exceeded 10 years from the date of grant (or five years for a 10% owner). The plan administrator will determine the methods of payment of the exercise price of a stock option, which may include cash, a net exercise arrangement for non-qualified stock options, a promissory note (if permitted by the board of directors) and if permitted by the board of directors or a committee appointed by the board of directors and an initial public offering of the company has occurred, through either the delivery of shares of our common stock owned by the participant or a broker-assisted arrangement. After a participant's termination of service (other than a termination for cause), the participant generally may exercise his or her stock options, to the extent vested as of such date of termination, for thirty days after termination or such longer period of time as specified in the applicable stock option agreement; provided, that if the termination is due to death or disability, the stock option generally will remain exercisable, to the extent vested as of such date of termination, until six months following such termination. However, in no event may a stock option be exercised later than the expiration of its term.

*Restricted Stock.* The 2017 Plan permits the granting of shares of restricted stock. Restricted stock awards are grants of shares of our common stock that are subject to various restrictions, including restrictions on transferability and forfeitures provisions. Shares of restricted stock will vest, and the restrictions on such shares will lapse, in accordance with terms and conditions established by the administrator.

*Unrestricted Stock.* The 2017 Plan permits the granting of shares of unrestricted stock. Unrestricted stock awards may be granted to participants in recognition of past services or for other valid consideration and may be issued in lieu of cash compensation due to such participant.

*Transferability or Assignability of Awards.* The 2017 Plan generally does not allow for the transfer or assignment of awards, other than, at the discretion of the plan administrator, by will or the laws of descent and distribution, by gift to an immediate family member, or by instrument to an inter vivos or testamentary trust in which the award is passed to beneficiaries upon the death of the participant.

*Corporate Transaction.* The 2017 Plan provides that upon the occurrence of a "Corporate Transaction" as defined in the 2017 Plan, awards may be assumed, substituted for new awards of a successor entity, or otherwise continued or terminated at the effective time of such Corporate Transaction. In the case of the termination of outstanding stock options, such holder of stock options, to the extent such stock options would have been exercisable or as otherwise determined by the administrator, must be provided written notice and a period of time at which such stock options may be exercised prior to the consummation of the Corporate

Transaction. We may also make or provide for a cash payment to holders of vested and exercisable stock options, in exchange for the cancellation thereof, equal to, for each share of our common stock underlying such stock option, the difference between the per share cash consideration in the Corporate Transaction and the per share exercise price. We may make or provide for a cash payment to holders of restricted stock awards, in exchange for the cancellation thereof, in an amount equal to the product of the per share cash consideration in the Corporate Transaction and the number of shares subject to each such award, to the extent such restricted stock award is no longer subject to any forfeiture or repurchase rights then in effect or as otherwise determined by the administrator.

*Amendment.* Our board of directors may amend, suspend, or terminate the 2017 Plan at any time, subject to stockholder approval where such approval is required by applicable law. The board of directors may also amend, modify, or terminate any outstanding award, including the exercise price of such award, provided that no amendment to an award may adversely affect any of the rights of a participant under any awards previously granted without his or her consent. We will not make any further grants under the 2017 Plan following this initial public offering.

### **2020 Employee Stock Purchase Plan**

Our 2020 Employee Stock Purchase Plan, or the ESPP, was adopted by our board of directors in December 2019 and was approved by our stockholders in . The ESPP will become effective immediately prior to the time that the registration statement of which this prospectus forms a part is declared effective by the SEC. The ESPP will initially reserve and authorize the issuance of up to a total of shares of common stock to participating employees. The ESPP will provide that the number of shares reserved and available for issuance will automatically increase each January 1, beginning on January 1, 2021, by the lesser of shares of our common stock, 1% of the outstanding number of shares of our common stock on the immediately preceding December 31, or such lesser number of shares as determined by our compensation, nomination and corporate governance committee. This number will be subject to adjustment in the event of a stock split, stock dividend or other change in our capitalization.

All employees whose customary employment is for more than 20 hours per week and have completed at least 30 days of service or are otherwise required to participate by applicable local law are eligible to participate in the ESPP. Any employee who owns 5% or more of the total combined voting power or value of stock will not be eligible to purchase shares under the ESPP.

We will make one or more offerings, consisting of one or more purchase periods, each year to our employees to purchase shares under the ESPP. The first offering will begin on a date to be later determined by our compensation, nomination and corporate governance committee and, unless otherwise determined by the administrator of the ESPP, will end on the date that is approximately 6 months following such date. Each eligible employee must authorize payroll deductions or other contributions by submitting an enrollment form by the deadline specified by the plan administrator, prior to the first offering period. Subsequent offerings will usually begin every six months and will continue for six-month periods, referred to as offering periods. Each eligible employee may elect to participate in any subsequent offering by submitting an enrollment form at least 15 days before the relevant offering date.

Each employee who is a participant in the ESPP may purchase shares by authorizing contributions of up to 10% of his or her compensation during an offering period. Unless the participating employee has previously withdrawn from the offering, his or her accumulated contributions will be used to purchase shares on the last business day of the purchase period at a price equal to 85% of the fair market value of the shares on the first business day of the offering period or the last business day of the purchase period, whichever is lower, provided that no more than shares of common stock (or a lesser number as established by the plan

administrator in advance of the purchase period) may be purchased by any one employee during each purchase period. Under applicable tax rules, an employee may purchase no more than \$25,000 worth of shares of common stock, valued at the start of the offering period, under the ESPP for each calendar year in which a purchase right is outstanding.

The accumulated contributions of any employee who is not a participant on the last day of a purchase period will be refunded. An employee's rights under the ESPP terminate upon voluntary withdrawal from the plan or when the employee ceases employment with us for any reason.

The ESPP may be terminated or amended by our board of directors at any time but shall automatically terminate on the 10 year anniversary of this offering. An amendment that increases the number of shares of common stock that are authorized under the ESPP and certain other amendments will require the approval of our stockholders. The plan administrator may adopt subplans under the ESPP for employees of our non U.S. subsidiaries who may participate in the ESPP and may permit such employees to participate in the ESPP on different terms, to the extent permitted by applicable law.

### ***Senior Executive Cash Incentive Bonus Plan***

In December 2019, our board of directors adopted the Senior Executive Cash Incentive Bonus Plan, or the Bonus Plan. The Bonus Plan will become effective on the day before the date on which the registration statement of which this prospectus is part is declared effective by the SEC. The Bonus Plan provides for cash bonus payments based upon the attainment of performance targets established by our compensation, nomination and corporate governance committee. The payment targets will be related to financial and operational measures or objectives with respect to our company, or corporate performance goals, as well as individual performance objectives.

Our compensation, nomination and corporate governance committee may select corporate performance goals including, without limitation, any of the following: developmental, publication, clinical, regulatory, business development or commercial milestones; organizational metrics such as employee turnover rates, engagement survey results, establishment of a company values program, etc.; earnings before interest, taxes, depreciation and amortization; cash flow (including, but not limited to, operating cash flow and free cash flow); revenue; corporate revenue; net income (loss) (either before or after interest, taxes, depreciation and/or amortization); changes in the market price of the company's common stock; economic value-added; acquisitions or strategic transactions; operating income (loss); return on capital, assets, equity, or investment; stockholder returns; return on sales; gross or net profit levels; productivity; expense efficiency; margins; operating efficiency; customer satisfaction; working capital; earnings (loss) per share of the company's common stock; sales or market shares; number of customers, number of new customers or customer references; operating income and/or net annual recurring revenue; any of which may be (A) measured in absolute terms or compared to any incremental increase, (B) measured in terms of growth, (C) compared to another company or companies or to results of a peer group, (D) measured against the market as a whole and/or as compared to applicable market indices and/or (E) measured on a pre-tax or post-tax basis (if applicable).

Each executive officer who is selected to participate in the Bonus Plan will have a target bonus opportunity set for each performance period. The bonus formulas will be adopted in each performance period by the compensation, nomination and corporate governance committee and communicated to each executive. The corporate performance goals will be measured at the end of each performance period after our financial reports have been published or such other appropriate time as the compensation, nomination and corporate governance committee determines. If the corporate performance goals and individual performance objectives are met, payments will be made as soon as practicable following the end of each performance period. Subject to the rights contained in any agreement between the executive officer and us, an executive officer must be

employed by us on the bonus payment date to be eligible to receive a bonus payment. The Bonus Plan also permits the compensation, nomination and corporate governance committee to approve additional bonuses to executive officers in its sole discretion and provides the compensation, nomination and corporate governance committee with discretion to adjust the size of the award as it deems appropriate.

***Simplified Employee Pension Plans***

The company maintains simplified employee pension plans for its full-time employees, which are intended to satisfy the requirements under Section 408 of the Internal Revenue Code of 1986, as amended. Under the terms of these plans, we may, but are not required, to make discretionary contributions to each participant's individual retirement account. Contributions to the plans are generally deductible by us when made, and are not taxable to participants until distributed. Pursuant to the plans, participants may direct the trustees to invest their individual retirement accounts.



## Non-Employee director compensation

### Non-Employee Director Compensation Table

The following table provides information regarding the total compensation that was earned by or paid to each of our non-employee directors during fiscal year 2019. During fiscal year 2019, David M. Epstein, Ph.D., our President and Chief Executive Officer, served as a member of our board of directors, as well as an employee, and received no additional compensation for his services as a member of our board of directors. See the section titled “Executive Compensation” for more information about Dr. Epstein’s compensation for our fiscal year 2019. Additionally, Alexander Mayweg, Ph.D., a director who was an executive officer during fiscal year 2019, received no additional compensation for his service as a director during fiscal year 2019. Directors may be reimbursed for travel and other expenses directly related to their activities as directors.

Name	Fees Earned or Paid in Cash (\$)	Option Awards \$(1)	Total (\$)
Samarth Kulkarni (2)	—	342,903	342,903
Garry E. Menzel (3)	20,000	142,513	162,513
Ali Behbahani, Brad Bolzon, Alexander Mayweg and Rajeev Shah (4)	—	—	—

(1) The amounts reported represent the aggregate grant date fair value of the stock options awarded to the non-employee directors in the fiscal year 2019, calculated in accordance with FASB ASC Topic 718. Such grant date fair values do not take into account any estimated forfeitures. The assumptions used in calculating the grant date fair value of the stock options reported in this column are set forth in note 9 of our consolidated financial statements included elsewhere in this prospectus. The amounts reported in this column reflect the accounting cost for these stock options and do not correspond to the actual economic value that may be received by the non-employee directors upon the exercise of the stock options or any sale of the underlying shares of common stock.

(2) Mr. Kulkarni joined our board of directors on December 5, 2019. As of December 31, 2019, Mr. Kulkarni held an option to purchase 160,000 shares of our common stock.

(3) As of December 31, 2019, Mr. Menzel held an option to purchase 117,200 shares of our common stock. Additionally, Mr. Menzel received \$20,000 as an annual fee for his services as chair of our Audit Committee in fiscal year 2019.

(4) As of December 31, 2019, Messrs. Behbahani, Bolzon, Mayweg and Shah did not hold any outstanding equity awards.

### Non-Employee Director Compensation Program

Prior to the effectiveness of the registration statement of which this prospectus forms a part, we did not have a formal policy to compensate our non-employee directors. As of the effectiveness of the registration statement of which this prospectus forms a part, we intend to implement a formal policy pursuant to which our non-employee directors will be eligible to receive the following cash retainers and equity awards:

<b>Annual Retainer for Board Membership</b>	
Annual service on the board of directors	\$35,000
Additional compensation for service as chair of the board of directors	\$30,000
<b>Additional Annual Retainer for Committee Membership</b>	
Annual service as member of the audit committee (other than chair)	\$ 7,500
Annual service as chair of the audit committee	\$15,000
Annual service as member of the compensation, nomination and corporate governance committee (other than chair)	\$ 5,000
Annual service as chair of the compensation, nomination and corporate governance committee	\$10,000

Our policy will provide that, upon initial election to our board of directors following the completion of this offering, each non-employee director will be granted an option to purchase 90,000 shares of our common stock (“Initial Grant”). Furthermore, on the date of each of our annual meeting of stockholders following the

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completion of this offering, each non-employee director who will continue as a non-employee director following such meeting will be granted an option to purchase 45,000 shares of our common stock ("Annual Grant"). The Annual Grant will vest in full on the earlier of (i) the one-year anniversary of the grant date or (ii) the next annual meeting of stockholders, subject to continued service as a director through the applicable vesting date. The Initial Grant will vest in 36 equal monthly installments, subject to continued service as a director through the applicable vesting date. Such awards are subject to full accelerated vesting upon the sale of the Company.

Employee directors will receive no additional compensation for their service as a director.

We will reimburse all reasonable out-of-pocket expenses incurred by directors for their attendance at meetings of our board of directors or any committee thereof.

## Certain relationships and related person transactions

The following is a description of transactions or series of transactions since our inception on September 20, 2016, to which we were or will be a party, in which:

- the amount involved in the transaction exceeds, or will exceed, \$120,000; and
- in which any of our executive officers, directors or holder of five percent or more of any class of our capital stock, including their immediate family members or affiliated entities, had or will have a direct or indirect material interest.

Compensation arrangements for our named executive officers and our directors are described elsewhere in this prospectus under “Director Compensation” and “Executive Compensation.”

### Private placements of securities

#### Common Stock Financing

In March 2017, we sold an aggregate of 1,000,000 shares of our common stock at a purchase price of \$0.10 per share for an aggregate amount of \$100,000. The following table summarizes purchases of our common stock by related persons:

Stockholder	Shares of common stock	Total purchase price
Entities affiliated with Versant Venture Capital(1)	1,000,000	\$ 100,000.00

(1) Represents 1,000,000 shares of common stock purchased by Versant Venture Capital VI, L.P. Each of Bradley Bolzon and Alexander Mayweg serves as a director of the Company and is an affiliate of Versant Venture Capital, of which Versant Venture Capital VI, L.P. is an affiliated fund. Entities affiliated with Versant Venture Capital collectively hold more than 5% of our voting securities.

#### Series A Preferred Stock Financing

In March 2017, with subsequent closings in December 2017, August 2018 and November 2018, we sold an aggregate of 22,501,503 shares of our Series A preferred stock at a purchase price of \$1.00 per share for an aggregate amount of \$20 million. In connection with the issuance of our Series A preferred stock, all of our outstanding convertible promissory notes issued in 2014, 2015 and 2016 were automatically converted into 2,501,503 shares of our Series A preferred stock. Certain investors holding convertible notes issued in 2014, 2015 and 2016 used such notes to purchase our Series A preferred stock. All outstanding convertible notes were cancelled in connection with the purchase of such Series A preferred stock. The following table summarizes purchases of our Series A preferred stock by related persons:

Stockholder	Shares of Series A preferred stock	Total purchase price
Entities affiliated with Versant Venture Capital(1)	20,000,000	\$ 20,000,000.00

(1) Represents 15,000,000 shares of Series A preferred stock purchased by Versant Venture Capital VI, L.P., 3,728,392 shares of Series A preferred stock purchased by Versant Voyageurs I, L.P., and 1,271,608 shares of Series A preferred stock purchased by Versant Voyageurs I Parallel, L.P. Each of Bradley Bolzon and Alexander Mayweg serves as a director of the Company and is an affiliate of Versant Venture Capital, of which Versant Venture Capital VI, L.P., Versant Voyageurs I, L.P., and Versant Voyageurs I Parallel, L.P. are affiliated funds. Entities affiliated with Versant Venture Capital collectively hold more than 5% of our voting securities.

**Series B Preferred Stock Financing**

In December 2018, with subsequent closings in July 2019 and August 2019, we sold an aggregate of 22,917,726 shares of our Series B preferred stock at a purchase price of \$3.806 per share for an aggregate amount of \$87.2 million. The following table summarizes purchases of our Series B preferred stock by related persons:

<b>Stockholder</b>	<b>Shares of Series B preferred stock</b>	<b>Total purchase price</b>
Entities affiliated with Versant Venture Capital <sup>(1)</sup>	3,941,142	\$ 15,000,000.00
Entities affiliated with New Enterprise Associates 16, L.P. <sup>(2)</sup>	6,568,574	\$ 25,000,000.00
Entities affiliated with RA Capital Management <sup>(3)</sup>	3,941,142	\$ 15,000,000.00
David M. Epstein <sup>(4)</sup>	13,136	\$ 50,000.00

(1) Represents 1,970,572 shares of Series B preferred stock purchased by Versant Venture Capital VI, L.P., 1,469,412 shares of Series B preferred stock purchased by Versant Voyageurs I, L.P. and 501,158 shares of Series B preferred stock purchased by Versant Voyageurs I Parallel, L.P. Each of Bradley Bolzon and Alexander Mayweg serves as a director of the Company and is an affiliate of Versant Venture Capital, of which Versant Venture Capital VI, L.P., Versant Voyageurs I, L.P. and Versant Voyageurs I Parallel, L.P. are affiliated funds. Entities affiliated with Versant Venture Capital collectively hold more than 5% of our voting securities.

(2) Represents 6,565,290 shares of Series B preferred stock purchased by New Enterprise Associates 16, L.P. and 3,284 shares of Series B preferred stock purchased by NEA Ventures 2018, Limited Partnership. Ali Behbahani serves as a director of the Company and is an affiliate of New Enterprise Associates, of which New Enterprise Associates 16, L.P. and NEA Ventures 2018, Limited Partnership are affiliated funds. Entities affiliated with New Enterprise Associates collectively hold more than 5% of our voting securities.

(3) Represents 2,885,295 shares of Series B preferred stock purchased by RA Capital Healthcare Fund, LP, 492,643 shares of Series B preferred stock purchased by RA Capital Nexus Fund, L.P. and 563,204 shares of Series B preferred stock purchased by Blackwell Partners LLC—Series A. Rajeev Shah serves as a director of the Company and is an affiliate of RA Capital Management, of which RA Capital Healthcare Fund, LP, RA Capital Nexus Fund, L.P. and Blackwell Partners LLC—Series A are affiliated funds. Entities affiliated with RA Capital Management collectively hold more than 5% of our voting securities.

(4) David M. Epstein is a founder of the Company and currently serves as our Chief Executive Officer and President. Dr. Epstein holds more than 5% of our voting securities.

**Series C Preferred Stock Financing**

In November 2019, we sold an aggregate of 19,420,124 shares of our Series C preferred stock at a purchase price of \$4.3769 per share for an aggregate amount of \$85.0 million. The following table summarizes purchases of our Series C preferred stock by related persons:

<b>Stockholder</b>	<b>Shares of Series C preferred stock</b>	<b>Total purchase price</b>
Entities affiliated with Versant Venture Capital <sup>(1)</sup>	5,186,048	\$ 22,698,813
New Enterprise Associates <sup>(2)</sup>	1,422,862	\$ 6,227,725
Entities affiliated with RA Capital Management <sup>(3)</sup>	853,716	\$ 3,736,630
Entities affiliated with Boxer Capital, LLC <sup>(4)</sup>	3,998,263	\$ 17,499,997

(1) Represents 2,444,382 shares of Series C preferred stock purchased by Versant Vantage I, L.P., 1,370,833 shares of Series C preferred stock purchased by Versant Venture Capital VI, L.P., 1,055,960 shares of Series C preferred stock purchased by Versant Voyageurs I, L.P. and 314,873 shares of Series C preferred stock purchased by Versant Voyageurs I Parallel, L.P. Each of Bradley Bolzon and Alexander Mayweg serves as a director of the Company and is an affiliate of Versant Venture Capital, of which Versant Vantage I, L.P., Versant Venture Capital VI, L.P., Versant Voyageurs I, L.P. and Versant Voyageurs I Parallel, L.P. are affiliated funds. Entities affiliated with Versant Venture Capital collectively hold more than 5% of our voting securities.

(2) Ali Behbahani serves as a director of the Company and is an affiliate of New Enterprise Associates, of which New Enterprise Associates 16, L.P. is an affiliated fund. Entities affiliated with New Enterprise Associates collectively hold more than 5% of our voting securities.

(3) Represents 548,224 shares of Series C preferred stock purchased by RA Capital Healthcare Fund, LP, 213,429 shares of Series C preferred stock purchased by RA Capital Nexus Fund, L.P. and 92,063 shares of Series C preferred stock purchased by Blackwell Partners LLC—Series A. Rajeev Shah serves as a director of the Company and is an affiliate of RA Capital Management, of which RA Capital Healthcare Fund, LP, RA Capital Nexus Fund, L.P. and Blackwell Partners LLC—Series A are affiliated funds. Entities affiliated with RA Capital Management collectively hold more than 5% of our voting securities.

(4) Represents 3,814,572 shares of Series C preferred stock purchased by Boxer Capital, LLC and 183,691 shares of Series C preferred stock purchased by MVA Investors, LLC. Entities affiliated with Boxer Capital, LLC collectively hold more than 5% of our voting securities.

## **Agreement with Ridgeline Therapeutics**

We entered into a services agreement with Ridgeline Therapeutics GmbH, or Ridgeline, in March 2017, amended in November 2017 and December 2018. Ridgeline is a discovery engine owned by Versant Ventures Capital. Pursuant to the services agreement, Ridgeline provides us with certain services, including research and development and management and administration. Ridgeline also provides us with the services of a team of scientists. In connection with the services provided, we pay Ridgeline \$950,000 a month, which is reconciled on a quarterly basis with the actual expenses incurred by Ridgeline on our behalf and a corresponding reconciling payment is made by us to (or received by us from) Ridgeline each quarter. We paid Ridgeline \$1.4 million and \$2.7 million in the years ended December 31, 2017 and 2018 and \$7.6 million in the nine months ended September 30, 2019.

Each of Bradley Bolzon and Alexander Mayweg serves as a director of the Company and is an affiliate of Versant Venture Capital, of which Versant Venture Capital VI, L.P., Versant Voyageurs I, L.P., and Versant Voyageurs I Parallel, L.P. are affiliated funds. Entities affiliated with Versant Venture Capital collectively hold more than 5% of our voting securities. See “Business—Our Collaboration with Ridgeline Therapeutics.”

## **Agreements with stockholders**

In connection with our Series A preferred stock financings, our Series B preferred stock financings and our Series C preferred stock financings, we entered into investors’ rights, voting and right of first refusal and co-sale agreements containing registration rights, information rights, voting rights and rights of first refusal, among other things, with certain holders of our preferred stock and certain holders of our common stock. These stockholder agreements will terminate upon the closing of this offering, except for the registration rights granted under our investors’ rights agreement, as more fully described in “Description of Capital Stock—Registration Rights.”

## **Stock option grants to executive officers**

We have granted stock options to our named executive officers as more fully described in the section entitled “Executive Compensation.”

## **Indemnification agreements**

In connection with this offering, we intend to enter into new agreements to indemnify our directors and executive officers. These agreements will, among other things, require us to indemnify these individuals for certain expenses (including attorneys’ fees), judgments, fines and settlement amounts reasonably incurred by such person in any action or proceeding, including any action by or in our right, on account of any services undertaken by such person on behalf of our company or that person’s status as a member of our board of directors to the maximum extent allowed under Delaware law.

## **Directed share program**

At our request, the underwriters have reserved for sale, at the initial public offering price, up to \_\_\_\_\_ shares of our common stock, or up to \_\_\_\_\_ % of the shares of our common stock offered hereby, for certain of our directors, officers, employees, business associates and related persons. See “Underwriting—Directed share program.”

## **Policies for approval of related party transactions**

Our board of directors reviews and approves transactions with directors, officers and holders of five percent or more of our voting securities and their affiliates, each a related party. Prior to this offering, the material facts

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as to the related party's relationship or interest in the transaction were disclosed to our board of directors prior to their consideration of such transaction, and the transaction was not considered approved by our board of directors unless a majority of the directors who are not interested in the transaction approved the transaction. Further, when stockholders are entitled to vote on a transaction with a related party, the material facts of the related party's relationship or interest in the transaction were disclosed to the stockholders, who must approve the transaction in good faith.

In connection with this offering, we expect to adopt a written related party transactions policy that will provide that such transactions must be approved by our audit committee. This policy will become effective on the date on which the registration statement of which this prospectus forms a part is declared effective by the SEC. Pursuant to this policy, the audit committee has the primary responsibility for reviewing and approving or disapproving "related party transactions," which are transactions between us and related persons in which the aggregate amount involved exceeds or may be expected to exceed \$120,000 and in which a related person has or will have a direct or indirect material interest. For purposes of this policy, a related person will be defined as a director, executive officer, nominee for director, or greater than 5% beneficial owner of our common stock, in each case since the beginning of the most recently completed year, and their immediate family members.

## Principal stockholders

The following table sets forth, as of January 3, 2020, information regarding the beneficial ownership of our common stock by:

- each person, or group of affiliated persons, who is known by us to be the beneficial owner of five percent or more of our outstanding common stock (on an as-converted to common stock basis);
- each of our directors;
- each of our named executive officers; and
- all of our current directors and executive officers as a group.

The information in the following table is calculated based on 71,584,813 shares of common stock deemed to be outstanding before this offering and \_\_\_\_\_ shares of common stock outstanding after this offering, assuming no exercise by the underwriters of their option to purchase additional shares of common stock. The number of shares outstanding is based on the number of shares of common stock outstanding as of \_\_\_\_\_, 2020 as adjusted to give effect to:

- the automatic conversion of all outstanding shares of our convertible preferred stock into \_\_\_\_\_ shares of common stock upon the completion of this offering; and
- the sale of \_\_\_\_\_ shares of common stock in this offering (assuming no exercise of the underwriters' option to purchase additional shares).

Each individual or entity shown on the table has furnished information with respect to beneficial ownership. Except as otherwise indicated below, the address of each officer, director and five percent stockholder listed below is c/o Black Diamond Therapeutics, Inc., 139 Main Street, Cambridge, MA 02142.

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We have determined beneficial ownership in accordance with the rules of the SEC, and the information is not necessarily indicative of beneficial ownership for any other purpose. These rules generally attribute beneficial ownership of securities to persons who possess sole or shared voting power or investment power with respect to those securities as well as any shares of common stock that the person has the right to acquire within 60 days of January 3, 2020 through the exercise of stock options or other rights. These shares are deemed to be outstanding and beneficially owned by the person holding those options for the purpose of computing the percentage ownership of that person, but they are not treated as outstanding for the purpose of computing the percentage ownership of any other person. Unless otherwise indicated, the persons or entities identified in this table have sole voting and investment power with respect to all shares shown as beneficially owned by them.

The following table does not reflect any shares of common stock that may be purchased pursuant to our directed share program described under "Underwriting—Directed share program."

	Shares of common stock beneficially owned	Percentage of shares outstanding	
		Before offering	After offering
<b>5% or Greater Stockholders</b>			
Entities affiliated with Versant Venture Capital <sup>(1)</sup>	30,127,190	42.09%	%
Entities affiliated New Enterprise Associates <sup>(2)</sup>	7,991,436	11.16%	%
Entities affiliated RA Capital Management <sup>(3)</sup>	4,794,858	6.70%	%
Entities affiliated with Boxer Capital, LLC <sup>(4)</sup>	3,998,263	5.59%	%
<b>Directors, Named Executive Officers and Other Executive Officers</b>			
David M. Epstein <sup>(5)</sup>	2,931,323	4.09%	%
Brent Hatzis-Schoch	—	*%	%
Thomas Leggett	—	*%	%
Christopher D. Roberts	—	*%	%
Ali Behbahani	—	*%	%
Bradley Bolzon	—	*%	%
Alexander Mayweg <sup>(6)</sup>	49,000	*%	%
Garry E. Menzel <sup>(7)</sup>	236,030	*%	%
Rajeev Shah	—	*%	%
Samarth Kulkarni <sup>(8)</sup>	6,666	*%	%
All executive officers and directors as a group (10 persons)	3,223,019	4.50%	%

\* Less than one percent.

- (1) Consists of: (a) 1,000,000 shares of common stock purchased by Versant Venture Capital VI, L.P. (b) 15,000,000 shares of common stock issuable upon conversion of the Series A preferred stock purchased by Versant Venture Capital VI, L.P., (c) 3,728,392 shares of common stock issuable upon conversion of the Series A preferred stock purchased by Versant Voyageurs I, L.P., (d) 1,271,608 shares of common stock issuable upon conversion of the Series A preferred stock purchased by Versant Voyageurs I Parallel, L.P., (e) 1,970,572 shares of common stock issuable upon conversion of the Series B preferred stock purchased by Versant Venture Capital VI, L.P., (f) 1,469,412 shares of common stock issuable upon conversion of the Series B preferred stock purchased by Versant Voyageurs I, L.P., (g) 501,158 shares of common stock issuable upon conversion of the Series B preferred stock purchased by Versant Voyageurs I Parallel, L.P. (h) 2,444,382 shares of common stock issuable upon conversion of the Series C preferred stock purchased by Versant Vantage I, L.P., (i) 1,370,833 shares of common stock issuable upon conversion of the Series C preferred stock purchased by Versant Venture Capital VI, L.P., (j) 1,055,960 shares of common stock issuable upon conversion of the Series C preferred stock purchased by Versant Voyageurs I, L.P. and (k) 314,873 shares of common stock issuable upon conversion of the Series C preferred stock purchased by Versant Voyageurs I Parallel, L.P.
- (2) Consists of: (a) 6,565,290 shares common stock issuable upon conversion of the Series B preferred stock purchased by New Enterprise Associates 16, L.P., (b) 3,284 shares of common stock issuable upon conversion of the Series B preferred stock purchased by NEA Ventures 2018, Limited Partnership and (c) 1,422,862 shares of common stock issuable upon conversion of the Series C preferred stock purchased by New Enterprise Associates 16, L.P.



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- (3) Consists of: (a) 2,885,295 shares of common stock issuable upon conversion of the Series B preferred stock purchased by RA Capital Healthcare Fund, LP, (b) 492,643 shares of common stock issuable upon conversion of the Series B preferred stock purchased by RA Capital Nexus Fund, L.P. (c) 563,204 shares of common stock issuable upon conversion of the Series B preferred stock purchased by Blackwell Partners LLC—Series A, (d) 548,224 shares of common stock issuable upon conversion of the Series C preferred stock purchased by RA Capital Healthcare Fund, LP, (e) 213,429 shares of common stock issuable upon conversion of the Series C preferred stock purchased by RA Capital Nexus Fund, L.P. and (f) 92,063 shares of common stock issuable upon conversion of the Series C preferred stock purchased by Blackwell Partners LLC—Series A.
- (4) Consists of: (a) 3,814,572 shares of common stock issuable upon conversion of the Series C preferred stock purchased by Boxer Capital, LLC and (b) 183,691 shares of common stock issuable upon conversion of the Series C preferred stock purchased by MVA Investors, LLC.
- (5) Consists of: (a) 1,555,627 shares of common stock held by Mr. Epstein, (b) 315,000 shares of common stock held by David M. Epstein 2019 Trust For Elle, (c) 315,000 shares of common stock held by David M. Epstein 2019 Trust For Zoe, (d) 732,560 shares of common stock issuable upon conversion of the Series A preferred stock and (e) 13,136 shares of common stock issuable upon conversion of the Series B preferred stock.
- (6) Consists of 49,000 shares of common stock held by Mr. Mayweg.
- (7) Consists of: (a) 74,851 shares of common stock held by Mr. Menzel, (b) 156,297 shares of common stock issuable upon conversion of the Series A preferred stock and (c) 4,882 shares of common stock underlying options exercisable within 60 days of January 3, 2020.
- (8) 6,666 shares of common stock underlying options exercisable within 60 days of January 3, 2020.

## Description of capital stock

The following descriptions are summaries of the material terms of our amended and restated certificate of incorporation and amended and restated bylaws, which will be effective immediately upon the closing of this offering. The descriptions of the common stock and preferred stock give effect to changes to our capital structure that will occur immediately upon the closing of this offering. We refer in this section to our amended and restated certificate of incorporation as our certificate of incorporation, and we refer to our amended and restated bylaws as our bylaws.

### General

Upon completion of this offering, our authorized capital stock will consist of \_\_\_\_\_ shares of common stock, par value \$0.0001 per share, and \_\_\_\_\_ shares of preferred stock, par value \$0.0001 per share, all of which shares of preferred stock will be undesignated.

As of September 30, 2019, 6,695,460 shares of our common stock (of which 695,460 shares are subject to a right of repurchase by us pursuant to a stock restriction agreement between us and the holders of such shares) were outstanding and held of record by 12 stockholders, and 22,501,503 shares of Series A preferred stock and 22,917,726 shares of Series B preferred stock were outstanding and held of record by 24 stockholders. This amount does not take into account the conversion of all outstanding shares of our preferred stock into common stock upon the closing of this offering.

### Common stock

The holders of our common stock are entitled to one vote for each share held on all matters submitted to a vote of the stockholders. The holders of our common stock do not have any cumulative voting rights. Holders of our common stock are entitled to receive ratably any dividends declared by our board of directors out of funds legally available for that purpose, subject to any preferential dividend rights of any outstanding preferred stock. Our common stock has no preemptive rights, conversion rights or other subscription rights or redemption or sinking fund provisions.

In the event of our liquidation, dissolution or winding up, holders of our common stock will be entitled to share ratably in all assets remaining after payment of all debts and other liabilities and any liquidation preference of any outstanding preferred stock. The shares to be issued by us in this offering will be, when issued and paid for, validly issued, fully paid and non-assessable.

### Preferred stock

Upon the completion of this offering, all outstanding shares of our preferred stock will be converted into shares of our common stock. Upon the closing of this offering, our board of directors will have the authority, without further action by our stockholders, to issue up to 10,000,000 shares of preferred stock in one or more series and to fix the rights, preferences, privileges and restrictions thereof. These rights, preferences and privileges could include dividend rights, conversion rights, voting rights, terms of redemption, liquidation preferences, sinking fund terms and the number of shares constituting, or the designation of, such series, any or all of which may be greater than the rights of common stock. The issuance of our preferred stock could adversely affect the voting power of holders of common stock and the likelihood that such holders will receive dividend payments and payments upon our liquidation. In addition, the issuance of preferred stock could have the effect of delaying, deferring or preventing a change in control of our company or other corporate action. Immediately after consummation of this offering, no shares of preferred stock will be outstanding, and we have no present plan to issue any shares of preferred stock.

## **Options**

As of September 30, 2019, options to purchase 4,850,721 shares of common stock at a weighted-average exercise price of \$2.22 per share were outstanding under our 2017 Plan.

## **Warrants**

As of September 30, 2019, warrants to purchase 32,442 shares of common stock at an exercise price of \$1.00 per share were outstanding, which warrants were not granted pursuant to a benefits plan.

## **Registration rights**

Upon the completion of this offering, the holders of \_\_\_\_\_ shares of our common stock, including those issuable upon the conversion of preferred stock, will be entitled to rights with respect to the registration of these securities under the Securities Act. These rights are provided under the terms of an amended and restated investors' rights agreement between us, certain holders of our common stock and holders of our preferred stock. The amended and restated investors' rights agreement includes demand registration rights, short-form registration rights and piggyback registration rights. All fees, costs and expenses of underwritten registrations under this agreement will be borne by us and all selling expenses, including underwriting discounts and selling commissions, will be borne by the holders of the shares being registered.

### ***Demand registration rights***

Beginning 180 days after the effective date of this registration statement, the holders of \_\_\_\_\_ shares of our common stock, including those issuable upon the conversion of shares of our preferred stock upon closing of this offering, are entitled to demand registration rights. Under the terms of the investors' rights agreement, we will be required, upon the written request of holders of at least a majority of the securities eligible for registration then outstanding, to file a registration statement with respect to at least forty percent of the securities eligible for registration then outstanding, we will be required to file a registration statement covering all securities eligible for registration that our stockholders request to be included in such registration. We are required to effect only two registrations pursuant to this provision of the investors' rights agreement in any twelve-month period.

### ***Short-form registration rights***

Pursuant to the amended and restated investors' rights agreement, if we are eligible to file a registration statement on Form S-3, upon the written request of stockholders holding at least a majority of the securities eligible for registration then outstanding we will be required to file a Form S-3 registration restatement with respect to outstanding securities of such stockholders having an anticipated aggregate offering, net of related fees and expenses, of at least \$5 million. We are required to effect only two registrations in any twelve month period pursuant to this provision of the amended and restated investors' rights agreement. The right to have such shares registered on Form S-3 is further subject to other specified conditions and limitations.

### ***Piggyback registration rights***

Pursuant to the amended and restated investors' rights agreement, if we register any of our securities either for our own account or for the account of other security holders, the holders of our common stock, including those issuable upon the conversion of our preferred stock, are entitled to include their shares in the registration. Subject to certain exceptions contained in the amended and restated investors' rights agreement,

we and the underwriters may limit the number of shares included in the underwritten offering to the number of shares which we and the underwriters determine in our sole discretion will not jeopardize the success of the offering.

#### ***Indemnification***

Our amended and restated investors' rights agreement contains customary cross-indemnification provisions, under which we are obligated to indemnify holders of registrable securities in the event of material misstatements or omissions in the registration statement attributable to us, and they are obligated to indemnify us for material misstatements or omissions attributable to them.

#### ***Expiration of registration rights***

The demand registration rights and short form registration rights granted under the amended and restated investors' rights agreement will terminate on the fifth anniversary of the completion of this offering or at such time after this offering when the holders' shares may be sold without restriction pursuant to Rule 144 within a three month period.

#### ***Expenses***

Ordinarily, other than underwriting discounts and commissions, we are generally required to pay all expenses incurred by us related to any registration effected pursuant to the exercise of these registration rights. These expenses may include all registration and filing fees, printing expenses, fees and disbursements of our counsel, reasonable fees and disbursements of a counsel for the selling security holders and blue-sky fees and expenses.

#### **Anti-takeover effects of Delaware law and certain provisions of our certificate of incorporation and amended and restated bylaws**

Our certificate of incorporation and bylaws include a number of provisions that may have the effect of delaying, deferring or preventing another party from acquiring control of us and encouraging persons considering unsolicited tender offers or other unilateral takeover proposals to negotiate with our board of directors rather than pursue non-negotiated takeover attempts. These provisions include the items described below.

#### ***Board composition and filling vacancies***

Our certificate of incorporation provides for the division of our board of directors into three classes serving staggered three-year terms, with one class being elected each year. Our certificate of incorporation also provides that directors may be removed only for cause and then only by the affirmative vote of the holders of two-thirds (2/3) or more of the shares then entitled to vote at an election of directors. Furthermore, any vacancy on our board of directors, however occurring, including a vacancy resulting from an increase in the size of our board, may only be filled by the affirmative vote of a majority of our directors then in office even if less than a quorum. The classification of directors, together with the limitations on removal of directors and treatment of vacancies, has the effect of making it more difficult for stockholders to change the composition of our board of directors.

#### ***No written consent of stockholders***

Our certificate of incorporation provides that all stockholder actions are required to be taken by a vote of the stockholders at an annual or special meeting, and that stockholders may not take any action by written consent

in lieu of a meeting. This limit may lengthen the amount of time required to take stockholder actions and would prevent the amendment of our bylaws or removal of directors by our stockholders without holding a meeting of stockholders.

### ***Meetings of stockholders***

Our certificate of incorporation and bylaws provide that only a majority of the members of our board of directors then in office may call special meetings of stockholders and only those matters set forth in the notice of the special meeting may be considered or acted upon at a special meeting of stockholders. Our bylaws limit the business that may be conducted at an annual meeting of stockholders to those matters properly brought before the meeting.

### ***Advance notice requirements***

Our bylaws establish advance notice procedures with regard to stockholder proposals relating to the nomination of candidates for election as directors or new business to be brought before meetings of our stockholders. These procedures provide that notice of stockholder proposals must be timely given in writing to our corporate secretary prior to the meeting at which the action is to be taken. Generally, to be timely, notice must be received at our principal executive offices not less than 90 days nor more than 120 days prior to the first anniversary date of the annual meeting for the preceding year. Our bylaws specify the requirements as to form and content of all stockholders' notices. These requirements may preclude stockholders from bringing matters before the stockholders at an annual or special meeting.

### ***Amendment to certificate of incorporation and bylaws***

Any amendment of our certificate of incorporation must first be approved by a majority of our board of directors, and if required by law or our certificate of incorporation, must thereafter be approved by a majority of the outstanding shares entitled to vote on the amendment and a majority of the outstanding shares of each class entitled to vote thereon as a class, except that the amendment of the provisions relating to stockholder action, board composition, limitation of liability and the amendment of our bylaws and certificate of incorporation must be approved by not less than two thirds (2/3) of the outstanding shares entitled to vote on the amendment, and not less than two thirds (2/3) of the outstanding shares of each class entitled to vote thereon as a class. Our bylaws may be amended by the affirmative vote of a majority of the directors then in office, subject to any limitations set forth in the bylaws; and may also be amended by the affirmative vote of at least two thirds (2/3) of the outstanding shares entitled to vote on the amendment, or, if our board of directors recommends that the stockholders approve the amendment, by the affirmative vote of the majority of the outstanding shares entitled to vote on the amendment, in each case voting together as a single class.

### ***Undesignated preferred stock***

Our certificate of incorporation provides for 10,000,000 authorized shares of preferred stock. The existence of authorized but unissued shares of preferred stock may enable our board of directors to discourage an attempt to obtain control of us by means of a merger, tender offer, proxy contest or otherwise. For example, if in the due exercise of its fiduciary obligations, our board of directors were to determine that a takeover proposal is not in the best interests of our stockholders, our board of directors could cause shares of preferred stock to be issued without stockholder approval in one or more private offerings or other transactions that might dilute the voting or other rights of the proposed acquirer or insurgent stockholder or stockholder group. In this regard, our certificate of incorporation grants our board of directors broad power to establish the rights and preferences of authorized and unissued shares of preferred stock. The issuance of shares of preferred stock

could decrease the amount of earnings and assets available for distribution to holders of shares of common stock. The issuance may also adversely affect the rights and powers, including voting rights, of these holders and may have the effect of delaying, deterring or preventing a change in control of us.

#### ***Delaware anti-takeover statute***

Upon completion of this offering, we will be subject to the provisions of Section 203 of the Delaware General Corporation Law. In general, Section 203 prohibits a publicly held Delaware corporation from engaging in a “business combination” with an “interested stockholder” for a three-year period following the time that this stockholder becomes an interested stockholder, unless the business combination is approved in a prescribed manner. Under Section 203, a business combination between a corporation and an interested stockholder is prohibited unless it satisfies one of the following conditions:

- before the stockholder became interested, our board of directors approved either the business combination or the transaction which resulted in the stockholder becoming an interested stockholder;
- upon consummation of the transaction which resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding for purposes of determining the voting stock outstanding, shares owned by persons who are directors and also officers, and employee stock plans, in some instances, but not the outstanding voting stock owned by the interested stockholder; or
- at or after the time the stockholder became interested, the business combination was approved by our board of directors and authorized at an annual or special meeting of the stockholders by the affirmative vote of at least two-thirds of the outstanding voting stock which is not owned by the interested stockholder.

Section 203 defines a business combination to include:

- any merger or consolidation involving the corporation and the interested stockholder;
- any sale, transfer, lease, pledge, exchange, mortgage or other disposition involving the interested stockholder of 10% or more of the assets of the corporation;
- subject to exceptions, any transaction that results in the issuance or transfer by the corporation of any stock of the corporation to the interested stockholder; or
- the receipt by the interested stockholder of the benefit of any loans, advances, guarantees, pledges or other financial benefits provided by or through the corporation.

In general, Section 203 defines an interested stockholder as any entity or person beneficially owning 15% or more of the outstanding voting stock of the corporation and any entity or person affiliated with or controlling or controlled by the entity or person.

#### **Choice of forum**

Our amended and restated bylaws that will become effective upon the completion of this offering provide that the Court of Chancery of the State of Delaware will be the exclusive forum for state law claims for (i) any derivative action or proceeding brought on our behalf, (ii) any action asserting a breach of fiduciary duty by one or more of our directors, officers or employees, (iii) any action asserting a claim against us arising pursuant to the Delaware General Corporation Law or (iv) any action asserting a claim against us that is governed by the internal affairs doctrine, in each case subject to the Court of Chancery having personal jurisdiction over the indispensable parties named as defendants therein (the “Delaware Forum Provision”); provided, however, that this forum provision will not apply to any causes of action arising under the Exchange Act or the Securities

Act. In addition, our amended and restated bylaws will provide that any person or entity purchasing or otherwise acquiring any interest in shares of our common stock is deemed to have notice of and consented to the Delaware Forum Provision. We recognize that the Delaware Forum Provision in our bylaws may impose additional litigation costs on stockholders in pursuing any such claims, particularly if the stockholders do not reside in or near the State of Delaware. Additionally, the Delaware Forum Provision may limit our stockholders' ability to bring a claim in a judicial forum that they find favorable for disputes with us or our directors, officers or employees, which may discourage such lawsuits against us and our directors, officers and employees. The Court of Chancery of the State of Delaware may also reach different judgments or results than would other courts, including courts where a stockholder considering an action may be located or would otherwise choose to bring the action, and such judgments may be more or less favorable to us than our stockholders.

## **Stock exchange listing**

We have applied to list our common stock on The Nasdaq Global Market under the proposed trading symbol "BDTX."

## **Transfer agent and registrar**

The Transfer Agent and Registrar for our common stock will be Computershare Trust Company, N.A.

## **Shares eligible for future sale**

Prior to this offering, there has been no public market for our shares. Future sales of our common stock in the public market, or the availability of such shares for sale in the public market, could adversely affect market prices prevailing from time to time. As described below, only a limited number of shares will be available for sale shortly after this offering due to contractual and legal restrictions on resale. Nevertheless, sales of shares of our common stock in the public market after such restrictions lapse, or the perception that those sales may occur, could adversely affect the prevailing market price at such time and our ability to raise equity capital in the future.

Based on the number of shares outstanding as of September 30, 2019, upon the completion of this offering, \_\_\_\_\_ shares of our common stock will be outstanding, assuming the issuance of \_\_\_\_\_ shares offered by us in this offering, no exercise of the underwriters' option to purchase additional shares and no exercise of outstanding options or warrants. Of the outstanding shares, all of the shares sold in this offering will be freely tradable, except that any shares held by our affiliates, as that term is defined in Rule 144 under the Securities Act, may only be sold in compliance with the limitations described below, and restricted shares of common stock are subject to time-based vesting terms. All remaining shares of common stock held by existing stockholders immediately prior to the completion of this offering will be "restricted securities" as such term is defined in Rule 144 under the Securities Act. These restricted securities were issued and sold by us in private transactions and are eligible for public sale only if registered under the Securities Act or if they qualify for an exemption from registration under the Securities Act, including the exemptions provided by Rule 144 or Rule 701, summarized below.

## **Rule 144**

In general, a person who has beneficially owned restricted stock for at least six months would be entitled to sell their securities provided that (i) such person is not deemed to have been one of our affiliates at the time of, or at any time during the 90 days preceding, a sale and (ii) we are subject to the periodic reporting requirements of the Exchange Act for at least 90 days before the sale. Persons who have beneficially owned restricted shares for at least six months but who are our affiliates at the time of, or any time during the 90 days preceding, a

sale, would be subject to additional restrictions, by which such person would be entitled to sell within any three-month period only a number of securities that does not exceed the greater of either of the following:

- 1% of the number of shares then outstanding, which will equal approximately \_\_\_\_\_ shares immediately after this offering, assuming no exercise of the underwriters' option to purchase additional shares, based on the number of shares outstanding as of September 30, 2019; or
- the average weekly trading volume of our common stock on The Nasdaq Global Market during the four calendar weeks preceding the filing of a notice on Form 144 with respect to the sale;

provided, in each case, that we are subject to the periodic reporting requirements of the Exchange Act for at least 90 days before the sale. Such sales both by affiliates and by non-affiliates must also comply with the manner of sale, current public information and notice provisions of Rule 144.

## **Rule 701**

Rule 701 under the Securities Act, as in effect on the date of this prospectus, permits resales of shares in reliance upon Rule 144 but without compliance with certain restrictions of Rule 144, including the holding period requirement. Most of our employees, executive officers or directors who purchased shares under a written compensatory plan or contract may be entitled to rely on the resale provisions of Rule 701, but all holders of Rule 701 shares are required to wait until 90 days after the date of this prospectus before selling their shares.

However, substantially all Rule 701 shares are subject to lock-up agreements as described below and under "Underwriting" included elsewhere in this prospectus and will become eligible for sale upon the expiration of the restrictions set forth in those agreements.

## **Lock-up agreements**

We, all of our directors and officers and substantially all of our stockholders have agreed not to sell or otherwise transfer or dispose of any of our securities for a period of 180 days from the date of this prospectus, subject to certain exceptions. J.P. Morgan Securities LLC, Jefferies LLC and Cowen and Company LLC may, in their sole discretion, permit early release of shares subject to the lock-up agreements. See the section entitled "Underwriting," appearing elsewhere in this prospectus for more information.

## **Registration rights**

Upon completion of this offering, certain holders of our securities will be entitled to various rights with respect to registration of their shares under the Securities Act. Registration of these shares under the Securities Act would result in these shares becoming fully tradable without restriction under the Securities Act immediately upon the effectiveness of the registration. See the section entitled "Description of Capital Stock—Registration Rights" appearing elsewhere in this prospectus for more information.

## **Equity incentive plans**

We intend to file one or more registration statements on Form S-8 under the Securities Act to register our shares issued or reserved for issuance under our equity incentive plans. The first such registration statement is expected to be filed soon after the date of this prospectus and will automatically become effective upon filing with the SEC. Accordingly, shares registered under such registration statement will be available for sale in the open market, unless such shares are subject to vesting restrictions with us or the lock-up restrictions described above. As of the date of this prospectus, we estimate that such registration statement on Form S-8 will cover approximately \_\_\_\_\_ shares.



## Material U.S. federal income tax considerations for non-U.S. holders

The following discussion is a summary of the material U.S. federal income tax considerations applicable to non-U.S. holders (as defined below) with respect to their ownership and disposition of shares of our common stock issued pursuant to this offering. For purposes of this discussion, a non-U.S. holder means a beneficial owner of our common stock that is for U.S. federal income tax purposes:

- a nonresident alien individual;
- a corporation or other organization taxable as a corporation for U.S. federal income tax purposes that is created or organized in or under laws other than the laws of the United States, any state thereof, or the District of Columbia;
- an estate the income of which is not subject to U.S. federal income tax on a net income basis; or
- a trust the income of which is not subject to U.S. federal income tax on a net income basis and that (1) is not subject to the primary supervision of a court within the United States or over which no U.S. persons have authority to control all substantial decisions and (2) has not made an election to be treated as a U.S. person.

This discussion does not address the tax treatment of partnerships or other entities that are pass-through entities for U.S. federal income tax purposes or persons that hold their common stock through partnerships or other pass-through entities. A partner in a partnership or other pass-through entity that will hold our common stock should consult his, her or its tax advisor regarding the tax consequences of acquiring, holding and disposing of our common stock through a partnership or other pass-through entity, as applicable.

This discussion is based on current provisions of the U.S. Internal Revenue Code of 1986, as amended, which we refer to as the Code, existing and proposed U.S. Treasury Regulations promulgated thereunder, current administrative rulings and judicial decisions, all as in effect as of the date of this prospectus and, all of which are subject to change or to differing interpretation, possibly with retroactive effect. Any such change or differing interpretation could alter the tax consequences to non-U.S. holders described in this prospectus. There can be no assurance that the Internal Revenue Service, which we refer to as the IRS, will not challenge one or more of the tax consequences described herein. We assume in this discussion that a non-U.S. holder holds shares of our common stock as a capital asset within the meaning of Section 1221 of the Code, generally property held for investment.

This discussion does not address all aspects of U.S. federal income taxation that may be relevant to a particular non-U.S. holder in light of that non-U.S. holder's individual circumstances nor does it address any U.S. state, local or non-U.S. taxes, the alternative minimum tax, the Medicare contribution tax on net investment income, the rules regarding qualified small business stock within the meaning of Section 1202 of the Code, or any other aspect of any U.S. federal tax other than income and estate taxes. This discussion also does not consider any specific facts or circumstances that may apply to a non-U.S. holder and does not address the special tax rules applicable to particular non-U.S. holders, such as:

- insurance companies;
- tax-exempt or governmental organizations;
- financial institutions;
- brokers or dealers in securities;
- regulated investment companies;

- pension plans;
- “controlled foreign corporations,” “passive foreign investment companies,” and corporations that accumulate earnings to avoid U.S. federal income tax;
- “qualified foreign pension funds,” or entities wholly owned by a “qualified foreign pension fund”;
- persons deemed to sell our common stock under the constructive sale provisions of the Code;
- persons that hold our common stock as part of a straddle, hedge, conversion transaction, synthetic security or other integrated investment; and
- certain U.S. expatriates.

This discussion is for general information only and is not tax advice. Accordingly, all prospective non-U.S. holders of our common stock should consult their tax advisors with respect to the U.S. federal, state, local and non-U.S. tax consequences of the purchase, ownership and disposition of our common stock.

### **Distributions on our common stock**

Distributions, if any, on our common stock will constitute dividends for U.S. federal income tax purposes to the extent paid from our current or accumulated earnings and profits, as determined under U.S. federal income tax principles. If a distribution exceeds our current and accumulated earnings and profits, the excess will be treated as a tax-free return of the non-U.S. holder’s investment, up to such holder’s tax basis in the common stock. Any remaining excess will be treated as capital gain, subject to the tax treatment described below in “Gain on Sale or Other Taxable Disposition of Our Common Stock.” Any such distributions will also be subject to the discussions below under the sections titled “Backup Withholding and Information Reporting” and “Withholding and Information Reporting Requirements—FATCA.”

Subject to the discussion in the following two paragraphs in this section, dividends paid to a non-U.S. holder generally will be subject to withholding of U.S. federal income tax at a 30% rate or a reduced rate specified by an applicable income tax treaty between the United States and such holder’s country of residence.

Dividends that are treated as effectively connected with a trade or business conducted by a non-U.S. holder within the United States and, if an applicable income tax treaty so provides, that are attributable to a permanent establishment or a fixed base maintained by the non-U.S. holder within the United States, are generally exempt from the 30% withholding tax if the non-U.S. holder satisfies applicable certification and disclosure requirements. However, such U.S. effectively connected income, net of specified deductions and credits, is taxed at the same graduated U.S. federal income tax rates applicable to United States persons (as defined in the Code). Any U.S. effectively connected income received by a non-U.S. holder that is a corporation may also, under certain circumstances, be subject to an additional “branch profits tax” at a 30% rate or a reduced rate specified by an applicable income tax treaty between the United States and such holder’s country of residence.

A non-U.S. holder of our common stock who claims the benefit of an applicable income tax treaty between the United States and such holder’s country of residence generally will be required to provide a properly executed IRS Form W-8BEN or W-8BEN-E (or a successor form) to the applicable withholding agent and satisfy applicable certification and other requirements. Non-U.S. holders are urged to consult their tax advisors regarding their entitlement to benefits under a relevant income tax treaty. A non-U.S. holder that is eligible for a reduced rate of U.S. withholding tax under an income tax treaty may obtain a refund or credit of any excess amounts withheld by timely filing a U.S. tax return with the IRS.

## **Gain on sale or other taxable disposition of our common stock**

Subject to the discussions below under “Backup Withholding and Information Reporting” and “Withholding and Information Reporting Requirements—FATCA,” a non-U.S. holder generally will not be subject to any U.S. federal income or withholding tax on any gain realized upon such holder’s sale or other taxable disposition of shares of our common stock unless:

- the gain is effectively connected with the non-U.S. holder’s conduct of a U.S. trade or business and, if an applicable income tax treaty so provides, is attributable to a permanent establishment or a fixed-base maintained by such non-U.S. holder in the United States, in which case the non-U.S. holder generally will be taxed on a net income basis at the graduated U.S. federal income tax rates applicable to United States persons (as defined in the Code) and, if the non-U.S. holder is a foreign corporation, the branch profits tax described above in “Distributions on Our Common Stock” also may apply;
- the non-U.S. holder is a nonresident alien individual who is present in the United States for 183 days or more in the taxable year of the disposition and certain other conditions are met, in which case the non-U.S. holder will be subject to a 30% tax (or such lower rate as may be specified by an applicable income tax treaty between the United States and such holder’s country of residence) on the net gain derived from the disposition, which may be offset by certain U.S. source capital losses of the non-U.S. holder, if any (even though the individual is not considered a resident of the United States), provided that the non-U.S. holder has timely filed U.S. federal income tax returns with respect to such losses; or
- we are, or have been, at any time during the five-year period preceding such sale or other taxable disposition (or the non-U.S. holder’s holding period, if shorter) a “U.S. real property holding corporation,” as described below, unless our common stock is regularly traded on an established securities market and the non-U.S. holder holds no more than 5% of our outstanding common stock, directly or indirectly, actually or constructively, during the shorter of the 5-year period ending on the date of the disposition or the period that the non-U.S. holder held our common stock. Generally, a corporation is a U.S. real property holding corporation if the fair market value of its U.S. real property interests, as defined in the Code and applicable Treasury regulations, equals or exceeds 50% of the sum of the fair market value of its worldwide real property interests plus its other assets used or held for use in a trade or business. Although there can be no assurance, we do not believe that we are, or have been, a U.S. real property holding corporation, or that we are likely to become one in the future. No assurance can be provided that our common stock will be regularly traded on an established securities market for purposes of the rules described above.

## **Backup withholding and information reporting**

We must report annually to the IRS and to each non-U.S. holder the gross amount of the distributions on our common stock paid to such holder and the tax withheld, if any, with respect to such distributions. Non-U.S. holders may have to comply with specific certification procedures to establish that the holder is not a United States person (as defined in the Code) in order to avoid backup withholding at the applicable rate with respect to dividends on our common stock. Dividends paid to non-U.S. holders subject to withholding of U.S. federal income tax, as described above in “Distributions on Our Common Stock,” generally will be exempt from U.S. backup withholding.

Information reporting and backup withholding will generally apply to the proceeds of a disposition of our common stock by a non-U.S. holder effected by or through the U.S. office of any broker, U.S. or foreign, unless the holder certifies its status as a non-U.S. holder and satisfies certain other requirements, or otherwise establishes an exemption. Generally, information reporting and backup withholding will not apply to a payment of disposition proceeds to a non-U.S. holder where the transaction is effected outside the United States through

a non-U.S. office of a broker. However, for information reporting purposes, dispositions effected through a non-U.S. office of a broker with substantial U.S. ownership or operations generally will be treated in a manner similar to dispositions effected through a U.S. office of a broker.

Non-U.S. holders should consult their tax advisors regarding the application of the information reporting and backup withholding rules to them. Copies of information returns may be made available to the tax authorities of the country in which the non-U.S. holder resides or is incorporated under the provisions of a specific treaty or agreement. Backup withholding is not an additional tax. Any amounts withheld under the backup withholding rules from a payment to a non-U.S. holder can be refunded or credited against the non-U.S. holder's U.S. federal income tax liability, if any, provided that an appropriate claim is filed with the IRS in a timely manner.

### **Withholding and information reporting requirements—FATCA**

Provisions of the Code commonly referred to as the Foreign Account Tax Compliance Act (FATCA), generally impose a U.S. federal withholding tax at a rate of 30% on payments of dividends on, or, subject to the discussion of certain proposed U.S. Treasury regulations below, gross proceeds from the sale or other disposition of, our common stock paid to a foreign entity unless (i) if the foreign entity is a "foreign financial institution," such foreign entity undertakes certain due diligence, reporting, withholding, and certification obligations, (ii) if the foreign entity is not a "foreign financial institution," such foreign entity identifies certain of its U.S. investors, if any, or (iii) the foreign entity is otherwise exempt under FATCA. However, the U.S. Treasury recently released proposed regulations which, if finalized in their present form, would eliminate the federal withholding tax of 30% applicable to the gross proceeds of a sale or other disposition of our common stock. In the preamble to such proposed regulations, the U.S. Treasury stated that taxpayers may generally rely on the proposed regulations until final regulations are issued. Under certain circumstances, a non-U.S. holder may be eligible for refunds or credits of this withholding tax. An intergovernmental agreement between the United States and an applicable foreign country may modify the requirements described in this paragraph. Non-U.S. holders should consult their tax advisors regarding the possible implications of this legislation on their investment in our common stock and the entities through which they hold our common stock, including, without limitation, the process and deadlines for meeting the applicable requirements to prevent the imposition of the 30% withholding tax under FATCA.

### ***Federal estate tax***

Individual Non-U.S. Holders and entities the property of which is potentially includible in such an individual's gross estate for U.S. federal estate tax purposes (for example, a trust funded by such an individual and with respect to which the individual has retained certain interests or powers), should note that, absent an applicable treaty exemption, our common stock will be treated as U.S.-situs property subject to U.S. federal estate tax.

## Underwriting

We are offering the shares of common stock described in this prospectus through a number of underwriters. J.P. Morgan Securities LLC, Jefferies LLC and Cowen and Company, LLC are acting as joint book-running managers of the offering and as representatives of the underwriters. We have entered into an underwriting agreement with the underwriters. Subject to the terms and conditions of the underwriting agreement, we have agreed to sell to the underwriters, and each underwriter has severally agreed to purchase, at the public offering price less the underwriting discounts and commissions set forth on the cover page of this prospectus, the number of shares of common stock listed next to its name in the following table:

Name	Number of shares
J.P. Morgan Securities LLC	
Jefferies LLC	
Cowen and Company, LLC	
Canaccord Genuity LLC	
Total	

The underwriters are committed to purchase all the common shares offered by us if they purchase any shares. The underwriting agreement also provides that if an underwriter defaults, the purchase commitments of non-defaulting underwriters may also be increased or the offering may be terminated.

The underwriters propose to offer the common shares directly to the public at the initial public offering price set forth on the cover page of this prospectus and to certain dealers at that price less a concession not in excess of \$ \_\_\_\_\_ per share. Any such dealers may resell shares to certain other brokers or dealers at a discount of up to \$ \_\_\_\_\_ per share from the initial public offering price. After the initial offering of the shares to the public, if all of the common shares are not sold at the initial public offering price, the underwriters may change the offering price and the other selling terms.

The underwriters have an option to buy up to \_\_\_\_\_ additional shares of common stock from us to cover sales of shares by the underwriters which exceed the number of shares specified in the table above. The underwriters have 30 days from the date of this prospectus to exercise this option to purchase additional shares. If any shares are purchased with this option to purchase additional shares, the underwriters will purchase shares in approximately the same proportion as shown in the table above. If any additional shares of common stock are purchased, the underwriters will offer the additional shares on the same terms as those on which the shares are being offered.

The underwriting fee is equal to the public offering price per share of common stock less the amount paid by the underwriters to us per share of common stock. The underwriting fee is \$ \_\_\_\_\_ per share. The following table shows the per share and total underwriting discounts and commissions to be paid to the underwriters assuming both no exercise and full exercise of the underwriters' option to purchase additional shares.

	Without option to purchase additional shares exercise	With full option to purchase additional shares exercise
Per Share	\$ _____	\$ _____
Total	\$ _____	\$ _____

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We estimate that the total expenses of this offering, including registration, filing and listing fees, printing fees and legal and accounting expenses, but excluding the underwriting discounts and commissions, will be approximately \$ . We have agreed to reimburse the underwriters for expense relating to clearance of this offering with the Financial Industry Regulatory Authority, Inc. of up to \$ .

A prospectus in electronic format may be made available on the web sites maintained by one or more underwriters, or selling group members, if any, participating in the offering. The underwriters may agree to allocate a number of shares to underwriters and selling group members for sale to their online brokerage account holders. Internet distributions will be allocated by the representatives to underwriters and selling group members that may make Internet distributions on the same basis as other allocations.

We have agreed that we will not (i) offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend or otherwise transfer or dispose of, directly or indirectly, or submit to, or file with the Securities and Exchange Commission a registration statement under the Securities Act relating to, any shares of our common stock or securities convertible into or exchangeable or exercisable for any shares of our common stock, or publicly disclose the intention to make any offer, sale, pledge, disposition or filing, or (ii) enter into any swap or other arrangement that transfers all or a portion of the economic consequences associated with the ownership of any shares of common stock or any such other securities (regardless of whether any of these transactions are to be settled by the delivery of shares of common stock or such other securities, in cash or otherwise), in each case without the prior written consent of J.P. Morgan Securities LLC, Jefferies LLC and Cowen and Company, LLC for a period of 180 days after the date of this prospectus, other than the shares of our common stock to be sold hereunder and any shares of our common stock issued upon the exercise of options granted under our existing stock-based compensation plans.

Our directors and executive officers, and all holders of our common stock have entered into lock-up agreements with the underwriters prior to the commencement of this offering pursuant to which each of these persons or entities, for a period of 180 days after the date of this prospectus, or the Restricted Period, may not, without the prior written consent of J.P. Morgan Securities LLC, Jefferies LLC and Cowen and Company, LLC, (1) offer, pledge, announce the intention to sell, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, or otherwise transfer or dispose of, directly or indirectly, any shares of our common stock or any securities convertible into or exercisable or exchangeable for our common stock (including, without limitation, common stock or such other securities which may be deemed to be beneficially owned by such directors, executive officers, managers and members in accordance with the rules and regulations of the SEC and securities which may be issued upon exercise of a stock option or warrant) or (2) enter into any swap or other agreement that transfers, in whole or in part, any of the economic consequences of ownership of the common stock or such other securities, whether any such transaction described in clause (1) or (2) above is to be settled by delivery of common stock or such other securities, in cash or otherwise, or (3) make any demand for or exercise any right with respect to the registration of any shares of our common stock or any security convertible into or exercisable or exchangeable for our common stock in each case, subject to certain exceptions, including:

- a) the sale of shares of common stock, to be sold by our directors, executive officers, and certain of our shareholders pursuant to the underwriting agreement;
- b) sales or transfers of shares of our common stock acquired in this offering or in open market transactions after the consummation of this offering;

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- c) transfers of shares of our common stock (i) as a bona fide gift or gifts, (ii) by will, other testamentary document or intestate succession to the legal representative, heir, beneficiary or a member of the immediate family of the holder in a transaction not involving a disposition for value or (iii) by operation of law, such as pursuant to a qualified domestic order or as required by a divorce settlement;
- d) if the holder is an individual, transfers of shares of our common stock or any security directly or indirectly convertible into our common stock to any trust for the direct or indirect benefit of the holder or the immediate family of the holder, or limited partnerships the partners of which are the holder and/or the immediate family members of the holder, in each case for estate planning purposes;
- e) if the holder is a trust, distributions of shares of our common stock or any security directly or indirectly convertible into shares of our common stock to its beneficiaries in a transaction not involving a disposition for value;
- f) if the holder is a corporation, limited liability company, partnership (whether general, limited or otherwise), or other entity, distribution of shares of our common stock or any security directly or indirectly convertible into our common stock to current or former members, stockholders, limited partners, general partners, subsidiaries, or affiliates (as defined in Rule 405 promulgated under the Securities Act) of the holder or to any investment fund or other entity that controls or manages the holder (including, for the avoidance of doubt, a fund managed by the same manager or managing member or general partner or management company or by an entity controlling, controlled by, or under common control with such manager or managing member or general partner or management company as the holder or who shares a common investment advisor with the holder) in a transaction not involving a disposition for value;
- g) transfers in connection with the exercise of options, warrants or other rights to acquire our common stock or any security convertible into or exercisable for our common stock by way of net exercise and/or to cover withholding tax obligations in connection with such exercise pursuant to an employee benefit plan, option, warrant or other right disclosed in this prospectus, *provided* that any such shares issued upon exercise of such option, warrant or other right shall be subject to the restrictions set forth in the lock-up agreement; and
- h) transfers of shares of our common stock pursuant to a bona fide third-party tender offer, merger, consolidation or other similar transaction made to all holders of our common stock involving a change of control after the completion of this offering; *provided*, that in the event that the tender offer, merger, consolidation or other such transaction is not completed, the shares of common stock owned by such stockholders shall remain subject to the terms of the lock-up agreement;

*provided that* in the case of any transfer or distribution pursuant to clause (c), (d), (e), (f) or (g) each donee, transferee, heir, beneficiary or distributee shall execute and deliver to J.P. Morgan Securities LLC, Jefferies LLC and Cowen and Company, LLC a lock-up letter in the form of this paragraph; and *provided, further, that* in the case of any transfer or distribution pursuant to clause (b), (c), (d), (e), (f) or (g), no filing by any party (donor, donee, transferor or transferee) under the Exchange Act, or other public announcement shall be required or shall be made voluntarily in connection with such transfer or distribution (other than a filing on a Form 5 made after the expiration of the Restricted Period and any required Schedule 13G (or 13G/A) or 13F filing), and, in the case of any transfer pursuant to clause (g), any filing required under the Exchange Act so long as such filing indicates, by footnote disclosure or otherwise, the nature of the transfer).

We have agreed to indemnify the underwriters against certain liabilities, including liabilities under the Securities Act of 1933.

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We will apply to have our common stock approved for listing/quotation on the Nasdaq Global Market under the symbol "BDTX".

In connection with this offering, the underwriters may engage in stabilizing transactions, which involves making bids for, purchasing and selling shares of common stock in the open market for the purpose of preventing or retarding a decline in the market price of the common stock while this offering is in progress. These stabilizing transactions may include making short sales of the common stock, which involves the sale by the underwriters of a greater number of shares of common stock than they are required to purchase in this offering, and purchasing shares of common stock on the open market to cover positions created by short sales. Short sales may be "covered" shorts, which are short positions in an amount not greater than the underwriters' option to purchase additional shares referred to above, or may be "naked" shorts, which are short positions in excess of that amount. The underwriters may close out any covered short position either by exercising their option to purchase additional shares, in whole or in part, or by purchasing shares in the open market. In making this determination, the underwriters will consider, among other things, the price of shares available for purchase in the open market compared to the price at which the underwriters may purchase shares through the option to purchase additional shares. A naked short position is more likely to be created if the underwriters are concerned that there may be downward pressure on the price of the common stock in the open market that could adversely affect investors who purchase in this offering. To the extent that the underwriters create a naked short position, they will purchase shares in the open market to cover the position.

The underwriters have advised us that, pursuant to Regulation M of the Securities Act of 1933, they may also engage in other activities that stabilize, maintain or otherwise affect the price of the common stock, including the imposition of penalty bids. This means that if the representatives of the underwriters purchase common stock in the open market in stabilizing transactions or to cover short sales, the representatives can require the underwriters that sold those shares as part of this offering to repay the underwriting discount received by them.

These activities may have the effect of raising or maintaining the market price of the common stock or preventing or retarding a decline in the market price of the common stock, and, as a result, the price of the common stock may be higher than the price that otherwise might exist in the open market. If the underwriters commence these activities, they may discontinue them at any time. The underwriters may carry out these transactions on the Nasdaq Global Market in the over-the-counter market or otherwise.

Prior to this offering, there has been no public market for our common stock. The initial public offering price will be determined by negotiations between us and the representatives of the underwriters. In determining the initial public offering price, we and the representatives of the underwriters expect to consider a number of factors including:

- the information set forth in this prospectus and otherwise available to the representatives;
- our prospects and the history and prospects for the industry in which we compete;
- an assessment of our management;
- our prospects for future earnings;
- the general condition of the securities markets at the time of this offering;
- the recent market prices of, and demand for, publicly traded common stock of generally comparable companies; and
- other factors deemed relevant by the underwriters and us.



Neither we nor the underwriters can assure investors that an active trading market will develop for our common stock, or that the shares will trade in the public market at or above the initial public offering price.

Other than in the United States, no action has been taken by us or the underwriters that would permit a public offering of the securities offered by this prospectus in any jurisdiction where action for that purpose is required. The securities offered by this prospectus may not be offered or sold, directly or indirectly, nor may this prospectus or any other offering material or advertisements in connection with the offer and sale of any such securities be distributed or published in any jurisdiction, except under circumstances that will result in compliance with the applicable rules and regulations of that jurisdiction. Persons into whose possession this prospectus comes are advised to inform themselves about and to observe any restrictions relating to the offering and the distribution of this prospectus. This prospectus does not constitute an offer to sell or a solicitation of an offer to buy any securities offered by this prospectus in any jurisdiction in which such an offer or a solicitation is unlawful.

Certain of the underwriters and their affiliates have provided in the past to us and our affiliates and may provide from time to time in the future certain commercial banking, financial advisory, investment banking and other services for us and such affiliates in the ordinary course of their business, for which they have received and may continue to receive customary fees and commissions. In addition, from time to time, certain of the underwriters and their affiliates may effect transactions for their own account or the account of customers, and hold on behalf of themselves or their customers, long or short positions in our debt or equity securities or loans, and may do so in the future.

### **Directed share program**

At our request, the underwriters have reserved for sale, at the initial public offering price, up to \_\_\_\_\_ shares of our common stock, or up to \_\_\_\_\_ % of the shares to be sold in this offering, to our directors, officers, employees, business associates and related persons. The underwriters will receive the same underwriting discount on any shares purchased pursuant to this program as they will on any other shares sold to the public in this offering. The number of shares of common stock available for sale to the general public will be reduced to the extent these individuals purchase such reserved shares. Any reserved shares that are not so purchased will be offered by the underwriters to the general public on the same basis as the other shares offered by this prospectus.

### **Notice to prospective investors in the European Economic Area**

In relation to each Member State of the European Economic Area (each, a “Member State”), no shares have been offered or will be offered pursuant to this offering to the public in that Member State prior to the publication of a prospectus in relation to the shares which has been approved by the competent authority in that Member State or, where appropriate, approved in another Member State and notified to the competent authority in that Member State, all in accordance with the Prospectus Regulation), except that offers of shares may be made to the public in that Member State at any time under the following exemptions under the Prospectus Regulation:

- A. to any legal entity which is a qualified investor as defined under the Prospectus Regulation;
- B. to fewer than 150 natural or legal persons (other than qualified investors as defined under the Prospectus Regulation), subject to obtaining the prior consent of the underwriters; or
- C. in any other circumstances falling within Article 1(4) of the Prospectus Regulation,

provided that no such offer of Shares shall require us or any underwriter to publish a prospectus pursuant to Article 3 of the Prospectus Regulation or supplement a prospectus pursuant to Article 23 of the Prospectus Regulation and each person who initially acquires any shares or to whom any offer is made will be deemed to have represented, acknowledged and agreed to and with each of the underwriters and the company that it is a “qualified investor” within the meaning of Article 2(e) of the Prospectus Regulation. In the case of any shares being offered to a financial intermediary as that term is used in the Prospectus Regulation, each such financial intermediary will be deemed to have represented, acknowledged and agreed that the shares acquired by it in the offer have not been acquired on a non-discretionary basis on behalf of, nor have they been acquired with a view to their offer or resale to, persons in circumstances which may give rise to an offer of any shares to the public other than their offer or resale in a Member State to qualified investors as so defined or in circumstances in which the prior consent of the underwriters have been obtained to each such proposed offer or resale.

For the purposes of this provision, the expression an “offer to the public” in relation to any shares in any Member State means the communication in any form and by any means of sufficient information on the terms of the offer and any shares to be offered so as to enable an investor to decide to purchase or subscribe for any shares, and the expression “Prospectus Regulation” means Regulation (EU) 2017/1129.

### **Notice to prospective investors in the United Kingdom**

In addition, in the United Kingdom, this document is being distributed only to, and is directed only at, and any offer subsequently made may only be directed at persons who are “qualified investors” (as defined in the Prospectus Regulation) (i) who have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, as amended (the “Order”) and/or (ii) who are high net worth companies (or persons to whom it may otherwise be lawfully communicated) falling within Article 49(2)(a) to (d) of the Order (all such persons together being referred to as “relevant persons”) or otherwise in circumstances which have not resulted and will not result in an offer to the public of the shares in the United Kingdom within the meaning of the Financial Services and Markets Act 2000.

Any person in the United Kingdom that is not a relevant person should not act or rely on the information included in this document or use it as basis for taking any action. In the United Kingdom, any investment or investment activity that this document relates to may be made or taken exclusively by relevant persons.

### **Notice to prospective investors in Canada**

The shares may be sold only to purchasers purchasing, or deemed to be purchasing, as principal that are accredited investors, as defined in National Instrument 45-106 Prospectus Exemptions or subsection 73.3(1) of the Securities Act (Ontario), and are permitted clients, as defined in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. Any resale of the shares must be made in accordance with an exemption from, or in a transaction not subject to, the prospectus requirements of applicable securities laws.

Securities legislation in certain provinces or territories of Canada may provide a purchaser with remedies for rescission or damages if this prospectus (including any amendment thereto) contains a misrepresentation, provided that the remedies for rescission or damages are exercised by the purchaser within the time limit prescribed by the securities legislation of the purchaser’s province or territory. The purchaser should refer to any applicable provisions of the securities legislation of the purchaser’s province or territory for particulars of these rights or consult with a legal advisor.

Pursuant to section 3A.3 of National Instrument 33-105 Underwriting Conflicts (NI 33-105), the underwriters are not required to comply with the disclosure requirements of NI 33-105 regarding underwriter conflicts of interest in connection with this offering.

### **Notice to prospective investors in Switzerland**

The shares may not be publicly offered in Switzerland and will not be listed on the SIX Swiss Exchange ("SIX") or on any other stock exchange or regulated trading facility in Switzerland. This document does not constitute a prospectus within the meaning of, and has been prepared without regard to the disclosure standards for issuance prospectuses under art. 652a or art. 1156 of the Swiss Code of Obligations or the disclosure standards for listing prospectuses under art. 27 ff. of the SIX Listing Rules or the listing rules of any other stock exchange or regulated trading facility in Switzerland. Neither this document nor any other offering or marketing material relating to the shares or the offering may be publicly distributed or otherwise made publicly available in Switzerland.

Neither this document nor any other offering or marketing material relating to the offering, the Company, the shares have been or will be filed with or approved by any Swiss regulatory authority. In particular, this document will not be filed with, and the offer of shares will not be supervised by, the Swiss Financial Market Supervisory Authority FINMA (FINMA), and the offer of shares has not been and will not be authorized under the Swiss Federal Act on Collective Investment Schemes ("CISA"). The investor protection afforded to acquirers of interests in collective investment schemes under the CISA does not extend to acquirers of shares.

### **Notice to prospective investors in the United Arab Emirates**

The shares have not been, and are not being, publicly offered, sold, promoted or advertised in the United Arab Emirates (including the Dubai International Financial Centre) other than in compliance with the laws of the United Arab Emirates (and the Dubai International Financial Centre) governing the issue, offering and sale of securities. Further, this prospectus does not constitute a public offer of securities in the United Arab Emirates (including the Dubai International Financial Centre) and is not intended to be a public offer. This prospectus has not been approved by or filed with the Central Bank of the United Arab Emirates, the Securities and Commodities Authority or the Dubai Financial Services Authority.

### **Notice to prospective investors in Australia**

This prospectus:

- does not constitute a disclosure document or a prospectus under Chapter 6D.2 of the Corporations Act 2001 (Cth) (the "Corporations Act");
- has not been, and will not be, lodged with the Australian Securities and Investments Commission ("ASIC"), as a disclosure document for the purposes of the Corporations Act and does not purport to include the information required of a disclosure document for the purposes of the Corporations Act; and
- may only be provided in Australia to select investors who are able to demonstrate that they fall within one or more of the categories of investors, available under section 708 of the Corporations Act ("Exempt Investors").

The shares may not be directly or indirectly offered for subscription or purchased or sold, and no invitations to subscribe for or buy the shares may be issued, and no draft or definitive offering memorandum, advertisement or other offering material relating to any shares may be distributed in Australia, except where disclosure to investors is not required under Chapter 6D of the Corporations Act or is otherwise in compliance with all applicable Australian laws and regulations. By submitting an application for the shares, you represent and warrant to us that you are an Exempt Investor.

As any offer of shares under this document will be made without disclosure in Australia under Chapter 6D.2 of the Corporations Act, the offer of those securities for resale in Australia within 12 months may, under section 707 of the Corporations Act, require disclosure to investors under Chapter 6D.2 if none of the exemptions in section 708 applies to that resale. By applying for the shares you undertake to us that you will not, for a period of 12 months from the date of issue of the shares, offer, transfer, assign or otherwise alienate those shares to investors in Australia except in circumstances where disclosure to investors is not required under Chapter 6D.2 of the Corporations Act or where a compliant disclosure document is prepared and lodged with ASIC.

### **Notice to prospective investors in Japan**

The shares have not been and will not be registered pursuant to Article 4, Paragraph 1 of the Financial Instruments and Exchange Act. Accordingly, none of the shares nor any interest therein may be offered or sold, directly or indirectly, in Japan or to, or for the benefit of, any “resident” of Japan (which term as used herein means any person resident in Japan, including any corporation or other entity organized under the laws of Japan), or to others for re-offering or resale, directly or indirectly, in Japan or to or for the benefit of a resident of Japan, except pursuant to an exemption from the registration requirements of, and otherwise in compliance with, the Financial Instruments and Exchange Act and any other applicable laws, regulations and ministerial guidelines of Japan in effect at the relevant time.

### **Notice to prospective investors in Hong Kong**

The shares have not been offered or sold and will not be offered or sold in Hong Kong, by means of any document, other than (a) to “professional investors” as defined in the Securities and Futures Ordinance (Cap. 571 of the Laws of Hong Kong) (the “SFO”) of Hong Kong and any rules made thereunder; or (b) in other circumstances which do not result in the document being a “prospectus” as defined in the Companies (Winding Up and Miscellaneous Provisions) Ordinance (Cap. 32 of the Laws of Hong Kong) (the “CO”) or which do not constitute an offer to the public within the meaning of the CO. No advertisement, invitation or document relating to the shares has been or may be issued or has been or may be in the possession of any person for the purposes of issue, whether in Hong Kong or elsewhere, which is directed at, or the contents of which are likely to be accessed or read by, the public of Hong Kong (except if permitted to do so under the securities laws of Hong Kong) other than with respect to shares which are or are intended to be disposed of only to persons outside Hong Kong or only to “professional investors” as defined in the SFO and any rules made thereunder.

### **Notice to prospective investors in Singapore**

This prospectus has not been registered as a prospectus with the Monetary Authority of Singapore. Accordingly, this prospectus and any other document or material in connection with the offer or sale, or invitation for subscription or purchase, of shares may not be circulated or distributed, nor may the shares be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to persons in Singapore other than (i) to an institutional investor (as defined in Section 4A of the Securities and Futures Act (Chapter 289) of Singapore, as modified or amended from time to time (the “SFA”)) pursuant to Section 274 of the SFA; (ii) to a relevant person (as defined in Section 275(2) of the SFA) pursuant to Section 275(1) of the SFA, or any person pursuant to Section 275(1A) of the SFA, and in accordance with the conditions specified in Section 275 of the SFA, or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA.

Where the shares are subscribed or purchased under Section 275 of the SFA by a relevant person which is:

- a corporation (which is not an accredited investor (as defined in Section 4A of the SFA)) the sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor; or
- a trust (where the trustee is not an accredited investor) whose sole purpose is to hold investments and each beneficiary of the trust is an individual who is an accredited investor,

securities or securities-based derivatives contract (each term as defined in Section 2(1) of the SFA) of that corporation or the beneficiaries' rights and interest (howsoever described) in that trust shall not be transferred within six months after that corporation or that trust has acquired the shares pursuant to an offer made under Section 275 of the SFA except:

- to an institutional investor or to a relevant person defined in Section 275(2) of the SFA, or to any person arising from an offer referred to in Section 275(1A) or Section 276(4)(i)(B) of the SFA;
- where no consideration is or will be given for the transfer;
- where the transfer is by operation of law;
- as specified in Section 276(7) of the SFA; or
- as specified in Regulation 37A of the Securities and Futures (Offers of Investments) (Securities and Securities-based Derivatives Contracts) Regulations 2018.

Singapore SFA Product Classification—Solely for the purposes of its obligations pursuant to sections 309B(1)(a) and 309B(1)(c) of the SFA, the Company has determined, and hereby notifies all relevant persons (as defined in Section 309A of the SFA) that the shares are “prescribed capital markets products” (as defined in the Securities and Futures (Capital Markets Products) Regulations 2018) and Excluded Investment Products (as defined in MAS Notice SFA 04-N12: Notice on the Sale of Investment Products and MAS Notice FAA-N16: Notice on Recommendations on Investment Products).

### **Notice to prospective investors in Bermuda**

Shares may be offered or sold in Bermuda only in compliance with the provisions of the Investment Business Act of 2003 of Bermuda which regulates the sale of securities in Bermuda. Additionally, non-Bermudian persons (including companies) may not carry on or engage in any trade or business in Bermuda unless such persons are permitted to do so under applicable Bermuda legislation.

### **Notice to prospective investors in Saudi Arabia**

This document may not be distributed in the Kingdom of Saudi Arabia except to such persons as are permitted under the Offers of Securities Regulations as issued by the board of the Saudi Arabian Capital Market Authority (“CMA”) pursuant to resolution number 2-11-2004 dated 4 October 2004 as amended by resolution number 1-28-2008, as amended (the “CMA Regulations”). The CMA does not make any representation as to the accuracy or completeness of this document and expressly disclaims any liability whatsoever for any loss arising from, or incurred in reliance upon, any part of this document. Prospective purchasers of the securities offered hereby should conduct their own due diligence on the accuracy of the information relating to the securities. If you do not understand the contents of this document, you should consult an authorized financial adviser.

## **Notice to prospective investors in China**

This prospectus will not be circulated or distributed in the People's Republic of China (the "PRC") and the shares will not be offered or sold, and will not be offered or sold to any person for re-offering or resale directly or indirectly to any residents of the PRC except pursuant to any applicable laws and regulations of the PRC. Neither this prospectus nor any advertisement or other offering material may be distributed or published in the PRC, except under circumstances that will result in compliance with applicable laws and regulations.

## **Notice to prospective investors in South Korea**

The shares have not been and will not be registered under the Financial Investments Services and Capital Markets Act of South Korea and the decrees and regulations thereunder (the "FSCMA"), and the shares have been and will be offered in South Korea as a private placement under the FSCMA. None of the shares may be offered, sold or delivered directly or indirectly, or offered or sold to any person for re-offering or resale, directly or indirectly, in South Korea or to any resident of South Korea except pursuant to the applicable laws and regulations of South Korea, including the FSCMA and the Foreign Exchange Transaction Law of South Korea and the decrees and regulations thereunder (the "FETL"). Furthermore, the purchaser of the shares shall comply with all applicable regulatory requirements (including but not limited to requirements under the FETL) in connection with the purchase of the shares. By the purchase of the shares, the relevant holder thereof will be deemed to represent and warrant that if it is in South Korea or is a resident of South Korea, it purchased the shares pursuant to the applicable laws and regulations of South Korea.

## **Notice to prospective investors in Malaysia**

No prospectus or other offering material or document in connection with the offer and sale of the shares has been or will be registered with the Securities Commission of Malaysia ("Commission") for the Commission's approval pursuant to the Capital Markets and Services Act 2007. Accordingly, this prospectus and any other document or material in connection with the offer or sale, or invitation for subscription or purchase, of the shares may not be circulated or distributed, nor may the shares be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to persons in Malaysia other than (i) a closed end fund approved by the Commission; (ii) a holder of a Capital Markets Services Licence; (iii) a person who acquires the shares, as principal, if the offer is on terms that the shares may only be acquired at a consideration of not less than RM250,000 (or its equivalent in foreign currencies) for each transaction; (iv) an individual whose total net personal assets or total net joint assets with his or her spouse exceeds RM3 million (or its equivalent in foreign currencies), excluding the value of the primary residence of the individual; (v) an individual who has a gross annual income exceeding RM300,000 (or its equivalent in foreign currencies) per annum in the preceding twelve months; (vi) an individual who, jointly with his or her spouse, has a gross annual income of RM400,000 (or its equivalent in foreign currencies), per annum in the preceding twelve months; (vii) a corporation with total net assets exceeding RM10 million (or its equivalent in a foreign currencies) based on the last audited accounts; (viii) a partnership with total net assets exceeding RM10 million (or its equivalent in foreign currencies); (ix) a bank licensee or insurance licensee as defined in the Labuan Financial Services and Securities Act 2010; (x) an Islamic bank licensee or takaful licensee as defined in the Labuan Financial Services and Securities Act 2010; and (xi) any other person as may be specified by the Commission; provided that, in each of the preceding categories (i) to (xi), the distribution of the shares is made by a holder of a Capital Markets Services Licence who carries on the business of dealing in securities. The distribution in Malaysia of this prospectus is subject to Malaysian laws. This prospectus does not constitute and may not be used for the purpose of public offering or an issue, offer for subscription or purchase, invitation to subscribe for or purchase any securities requiring the registration of a prospectus with the Commission under the Capital Markets and Services Act 2007.

## Notice to prospective investors in Taiwan

The shares have not been and will not be registered with the Financial Supervisory Commission of Taiwan pursuant to relevant securities laws and regulations and may not be sold, issued or offered within Taiwan through a public offering or in circumstances which constitutes an offer within the meaning of the Securities and Exchange Act of Taiwan that requires a registration or approval of the Financial Supervisory Commission of Taiwan. No person or entity in Taiwan has been authorized to offer, sell, give advice regarding or otherwise intermediate the offering and sale of the shares in Taiwan.

## Notice to prospective investors in South Africa

Due to restrictions under the securities laws of South Africa, no “offer to the public” (as such term is defined in the South African Companies Act, No. 71 of 2008 (as amended or re-enacted) (the “South African Companies Act”)) is being made in connection with the issuance of the shares in South Africa. Accordingly, this document does not, nor is it intended to, constitute a “registered prospectus” (as that term is defined in the South African Companies Act) prepared and registered under the South African Companies Act and has not been approved by, and/or filed with, the South African Companies and Intellectual Property Commission or any other regulatory authority in South Africa. The shares are not offered, and the offer shall not be transferred, sold, renounced or delivered, in South Africa or to a person with an address in South Africa, unless one or other of the following exemptions stipulated in section 96(1) applies:

- Section 96(1)(a) the offer, transfer, sale, renunciation or delivery is to:
- (a) persons whose ordinary business, or part of whose business, is to deal in securities, as principal or agent;
  - (b) the South African Public Investment Corporation;
  - (c) persons or entities regulated by the Reserve Bank of South Africa;
  - (d) authorized financial service providers under South African law;
  - (e) financial institutions recognized as such under South African law;
  - (f) a wholly-owned subsidiary of any person or entity contemplated in (c), (d) or (e), acting as agent in the capacity of an authorized portfolio manager for a pension fund, or as manager for a collective investment scheme (in each case duly registered as such under South African law); or
  - (g) any combination of the person in (a) to (f); or
- Section 96(1)(b) the total contemplated acquisition cost of the securities, for any single addressee acting as principal is equal to or greater than ZAR1,000,000 or such higher amount as may be promulgated by notice in the Government Gazette of South Africa pursuant to section 96(2)(a) of the South African Companies Act.

Information made available in this prospectus should not be considered as “advice” as defined in the South African Financial Advisory and Intermediary Services Act, 2002.

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In the case of applicable exchange controls, no South African residents or offshore subsidiary of a South African resident may subscribe for or purchase any of the shares or beneficially own or hold any of the shares unless specific approval has been obtained from the financial surveillance department of the South African Reserve Bank (the "SARB") by such persons or such subscription, purchase or beneficial holding or ownership is otherwise permitted under the South African Exchange Control Regulations or the rulings promulgated thereunder (including, without limitation, the rulings issued by the SARB providing for foreign investment allowances applicable to persons who are residents of South Africa under the applicable exchange control laws of South Africa).



## Legal matters

The validity of the shares of common stock offered by this prospectus will be passed upon for us by Goodwin Procter LLP, Boston, Massachusetts. Certain legal matters relating to this offering will be passed upon for the underwriters by Davis Polk & Wardwell LLP, New York, New York.

## Experts

The financial statements as of December 31, 2018 and 2017 and for the years then ended included in this prospectus have been so included in reliance on the report (which contains an emphasis of matter paragraph relating to removal of substantial doubt associated with the Company's ability to continue as a going concern as described in Note 1 to the consolidated financial statements) of PricewaterhouseCoopers LLP, an independent registered public accounting firm, given on the authority of said firm as experts in auditing and accounting.

## Change in our independent public accounting firm

On May 9, 2019, our board of directors approved the decision to change independent registered public accounting firms and we dismissed Adeptus LLC, or Adeptus, as our independent registered public accounting firm. On July 11, 2019, we retained PricewaterhouseCoopers LLP as our new independent registered public accounting firm to audit our consolidated financial statements as of and for the fiscal year ended December 31, 2018 and to reaudit our financial statements as of and for the fiscal year ended December 31, 2017, which had previously been audited by Adeptus. See "Risk factors—We have identified material weaknesses in our internal control over financial reporting. If we are unable to remediate these material weaknesses, or if we identify additional material weaknesses in the future or otherwise fail to maintain an effective system of internal controls, we may not be able to accurately or timely report our financial condition or results of operations, which may adversely affect our business."

The report of Adeptus on our financial statements as of and for the fiscal year ended December 31, 2017 did not contain any adverse opinion or disclaimer of opinion and was not qualified or modified as to uncertainty, audit scope or accounting principles. During the two most recent fiscal years preceding our dismissal of Adeptus and the subsequent interim period through May 9, 2019, we had no "disagreements" (as defined in Item 304(a)(1)(iv) of Regulation S-K and the related instructions thereto) with Adeptus on any matter of accounting principles or practices, financial statement disclosure or auditing scope or procedure, which disagreements, if not resolved to the satisfaction of Adeptus, would have caused Adeptus to make reference in connection with its report to the subject matter of the disagreement during its audit of our financial statements for the fiscal year ended December 31, 2017. During the two most recent fiscal years preceding our discharge of Adeptus and the subsequent interim period through May 9, 2019, there were no "reportable events" (as defined in Item 304(a)(1)(v) of Regulation S-K and the related instructions thereto).

During the two fiscal years ended December 31, 2018 and through the period ended July 11, 2019, we did not consult with PricewaterhouseCoopers LLP with respect to (i) the application of accounting principles to a specified transaction, either completed or proposed, the type of audit opinion that might be rendered on our financial statements, and neither a written report nor oral advice was provided to us that PricewaterhouseCoopers LLP concluded was an important factor considered by us in reaching a decision as to any accounting, auditing or financial reporting issue, or (ii) any other matter that was the subject of a disagreement or a reportable event (each as defined above).

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We have provided Adeptus with a copy of the foregoing disclosure and requested that Adeptus furnish us with a letter addressed to the SEC stating whether or not Adeptus agrees with the above statements and, if not, stating the respects in which it does not agree. A copy of the letter, dated December 13, 2019, furnished by Adeptus in response to that request, is filed as Exhibit 16.1 to the registration statement of which this prospectus is a part.

## **Where you can find more information**

We have filed with the SEC a registration statement on Form S-1 (File Number 333- ) under the Securities Act with respect to the common stock we are offering by this prospectus. This prospectus, which constitutes part of the registration statement, does not contain all of the information included in the registration statement. For further information pertaining to us and our common stock, you should refer to the registration statement and to its exhibits. Whenever we make reference in this prospectus to any of our contracts, agreements or other documents, the references are not necessarily complete, and you should refer to the exhibits attached to the registration statement for copies of the actual contract, agreement or other document.

Upon the completion of the offering, we will be subject to the informational requirements of the Exchange Act and will file annual, quarterly and current reports, proxy statements and other information with the SEC. You can read our SEC filings, including the registration statement, at the SEC's website at [www.sec.gov](http://www.sec.gov). We also maintain a website at [www.blackdiamondtherapeutics.com](http://www.blackdiamondtherapeutics.com) and upon completion of the offering, you may access, free of charge, our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and any amendments to those reports, as soon as reasonably practicable after such material is electronically filed with, or furnished to, the SEC. The information contained in, or that can be accessed through, our website is not part of, and is not incorporated into, this prospectus.

## Index to consolidated financial statements

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# Report of Independent Registered Public Accounting Firm

To the Board of Directors and Stockholders of  
Black Diamond Therapeutics, Inc.

## Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Black Diamond Therapeutics, Inc. and its subsidiary (the "Company") as of December 31, 2018 and December 31, 2017, and the related consolidated statements of operations, of convertible preferred stock and stockholders' deficit and of cash flows for the years then ended, including the related notes (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2018 and 2017, and the results of its operations and its cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

## Basis for Opinion

These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's consolidated financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these consolidated financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audits provide a reasonable basis for our opinion.

## Substantial Doubt About the Company's Ability to Continue as a Going Concern Has Been Removed

Management and we previously concluded there was substantial doubt about the Company's ability to continue as a going concern. As discussed in Note 1, management has subsequently taken certain actions, which management and we have concluded remove that substantial doubt.

/s/ PricewaterhouseCoopers LLP

Boston, Massachusetts

August 22, 2019, except for the removal of the conclusion that there is substantial doubt about the Company's ability to continue as a going concern as discussed in Note 1, as to which the date is December 13, 2019

We have served as the Company's auditor since 2019.

# Black Diamond Therapeutics, Inc.

## Consolidated balance sheets

(In thousands, except share and per share amounts)

	December 31,		September 30,	Pro forma September 30,
	2017	2018	2019	2019
			(unaudited)	
<b>Assets</b>				
Current assets:				
Cash and cash equivalents	\$ 7,878	\$51,660	\$ 78,659	\$ 78,659
Prepaid expenses and other current assets	36	24	294	294
Total current assets	7,914	51,684	78,953	78,953
Equipment, net	102	134	116	116
Restricted cash	—	—	55	55
Deferred offering costs	—	—	1,577	1,577
Other assets	5	8	33	33
Total assets	\$ 8,021	\$51,826	\$ 80,734	\$ 80,734
<b>Liabilities, Convertible Preferred Stock and Stockholders' Equity (Deficit)</b>				
Current liabilities:				
Accounts payable	\$ 152	\$ 416	\$ 1,411	\$ 1,411
Amounts due to related party	1,920	1,707	1,254	1,254
Accrued expenses and other current liabilities	158	452	1,982	1,982
Total current liabilities	2,230	2,575	4,647	4,647
Derivative liabilities	8	4,023	39	—
Total liabilities	2,238	6,598	4,686	4,647
Commitments and contingencies (Note 12)				
Convertible preferred stock (series A and B); \$0.0001 par value; 12,501,503 shares authorized at December 31, 2017, 44,867,103 shares authorized at December 31, 2018 and 45,451,685 shares authorized at September 30, 2019 (unaudited); 12,501,503 shares issued and outstanding at December 31, 2017, 33,668,075 shares issued and outstanding at December 31, 2018 and 45,419,229 shares issued and outstanding at September 30, 2019 (unaudited); aggregate liquidation preference of \$12,502 at December 31, 2017, \$65,002 at December 31, 2018 and \$109,727 at September 30, 2019 (unaudited); no shares issued or outstanding, pro forma as of September 30, 2019 (unaudited)	12,458	60,770	115,840	—

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	December 31,		September 30,	Pro forma
	2017	2018	2019	September 30,
			(unaudited)	2019
Stockholders' equity (deficit)				
Common stock; \$0.0001 par value; 19,533,945 shares authorized at December 31, 2017, 57,803,522 shares authorized at December 31, 2018 and 58,803,522 shares authorized at September 30, 2019 (unaudited); 6,276,500 shares issued and outstanding at December 31, 2017, 6,555,460 shares issued and outstanding at December 31, 2018 and 6,695,460 shares issued and outstanding at September 30, 2019 (unaudited); 52,114,689 shares issued and outstanding, pro forma as of September 30, 2019 (unaudited)	1	1	1	5
Additional paid-in capital	105	169	1,302	117,177
Accumulated deficit	(6,781)	(15,712)	(41,095)	(41,095)
Total stockholders' equity (deficit)	(6,675)	(15,542)	(39,792)	76,087
Total liabilities, convertible preferred stock and stockholders' equity (deficit)	\$ 8,021	\$ 51,826	\$ 80,734	\$ 80,734

The accompanying notes are an integral part of these consolidated financial statements.

# Black Diamond Therapeutics, Inc.

## Consolidated statements of operations

(In thousands, except share and per share amounts)

	Year ended December 31,		Nine months ended September 30,	
	2017	2018	2018	2019
			(unaudited)	
Operating expenses				
Research and development (inclusive of \$1,348 and \$2,403, respectively, and \$1,595 and \$8,497 (unaudited), respectively, with a related party)	\$ 3,453	\$ 6,950	\$ 4,571	\$ 14,293
General and administrative (inclusive of \$42 and \$325, respectively, and \$238 and \$357 (unaudited), respectively, with a related party)	666	1,954	1,287	4,695
Total operating expenses	4,119	8,904	5,858	18,988
Loss from operations	(4,119)	(8,904)	(5,858)	(18,988)
Other income (expense)				
Interest expense	(65)	—	—	—
Interest income	—	4	2	21
Loss on extinguishment of convertible promissory notes	(282)	—	—	—
Change in fair value of derivative liabilities	(130)	(15)	—	(6,416)
Other income (expense)	(6)	(16)	(9)	—
Total other income (expense), net	(483)	(27)	(7)	(6,395)
Net loss	(4,602)	(8,931)	(5,865)	(25,383)
Net loss attributable to common stockholders	\$ (4,602)	\$ (8,931)	\$ (5,865)	\$ (25,383)
Net loss per share attributable to common stockholders, basic and diluted	\$ (0.79)	\$ (1.47)	\$ (0.97)	\$ (4.10)
Weighted average common shares outstanding, basic and diluted	5,802,740	6,089,819	6,069,399	6,194,913
Pro forma net loss per share attributable to common stockholders, basic and diluted (unaudited)		\$ (0.41)		\$ (0.37)
Pro forma weighted average common shares outstanding, basic and diluted (unaudited)		21,701,364		51,614,142

The accompanying notes are an integral part of these consolidated financial statements.

# Black Diamond Therapeutics, Inc.

## Consolidated statements of convertible preferred stock and stockholders' deficit

(In thousands, except share amounts)

	Convertible preferred stock		Common stock		Additional paid-in capital	Accumulated deficit	Total stockholders' deficit
	Shares	Amount	Shares	Amount			
<b>Balance at December 31, 2016</b>	—	\$ —	5,000,000	\$ 1	\$ —	\$ (2,179)	\$ (2,178)
Issuance of common stock	—	—	1,000,000	—	100	—	100
Grant of restricted common stock awards	—	—	276,500	—	—	—	—
Issuance of series A convertible preferred stock, net	10,000,000	9,964	—	—	—	—	—
Conversion of convertible promissory notes and accrued interest into series A convertible preferred stock	2,501,503	2,494	—	—	—	—	—
Stock-based compensation expense	—	—	—	—	5	—	5
Net loss	—	—	—	—	—	(4,602)	(4,602)
<b>Balance at December 31, 2017</b>	<b>12,501,503</b>	<b>12,458</b>	<b>6,276,500</b>	<b>1</b>	<b>105</b>	<b>(6,781)</b>	<b>(6,675)</b>
Grant of restricted common stock awards	—	—	278,960	—	—	—	—
Issuance of series A convertible preferred stock, net	10,000,000	9,899	—	—	—	—	—
Issuance of series B convertible preferred stock, net	11,166,572	38,413	—	—	—	—	—
Stock-based compensation expense	—	—	—	—	64	—	64
Net loss	—	—	—	—	—	(8,931)	(8,931)
<b>Balance at December 31, 2018</b>	<b>33,668,075</b>	<b>\$ 60,770</b>	<b>6,555,460</b>	<b>\$ 1</b>	<b>\$ 169</b>	<b>\$ (15,712)</b>	<b>\$ (15,542)</b>

	Convertible preferred stock		Common stock		Additional paid-in capital	Accumulated deficit	Total stockholders' deficit
	Shares	Amount	Shares	Amount			
<b>For the nine months ended September 30, 2018 (unaudited)</b>							
<b>Balance at December 31, 2017</b>	<b>12,501,503</b>	<b>\$ 12,458</b>	<b>6,276,500</b>	<b>\$ 1</b>	<b>\$ 105</b>	<b>\$ (6,781)</b>	<b>\$ (6,675)</b>
Issuance of series A convertible preferred stock, net	5,000,000	4,899	—	—	—	—	—
Stock-based compensation expense	—	—	—	—	24	—	24
Net loss	—	—	—	—	—	(5,865)	(5,865)
<b>Balance at September 30, 2018 (unaudited)</b>	<b>17,501,503</b>	<b>\$ 17,357</b>	<b>6,276,500</b>	<b>\$ 1</b>	<b>\$ 129</b>	<b>\$ (12,646)</b>	<b>\$ (12,516)</b>

	Convertible preferred stock		Common stock		Additional paid-in capital	Accumulated deficit	Total stockholders' deficit
	Shares	Amount	Shares	Amount			
<b>For the nine months ended September 30, 2019 (unaudited)</b>							
<b>Balance at December 31, 2018</b>	<b>33,668,075</b>	<b>\$ 60,770</b>	<b>6,555,460</b>	<b>\$ 1</b>	<b>\$ 169</b>	<b>\$ (15,712)</b>	<b>\$ (15,542)</b>
Grant of restricted common stock awards	—	—	140,000	—	—	—	—
Issuance of series B convertible preferred stock, net	11,751,154	55,070	—	—	—	—	—
Stock-based compensation expense	—	—	—	—	1,133	—	1,133
Net loss	—	—	—	—	—	(25,383)	(25,383)
<b>Balance at September 30, 2019 (unaudited)</b>	<b>45,419,229</b>	<b>\$ 115,840</b>	<b>6,695,460</b>	<b>\$ 1</b>	<b>\$ 1,302</b>	<b>\$ (41,095)</b>	<b>\$ (39,792)</b>

The accompanying notes are an integral part of these consolidated financial statements



# Black Diamond Therapeutics, Inc.

## Consolidated statements of cash flows

(In thousands)

	Year ended December 31,		Nine months ended September 30,	
	2017	2018	2018	2019
			(unaudited)	
<b>Cash flows from operating activities</b>				
Net loss	\$(4,602)	\$ (8,931)	\$ (5,865)	\$ (25,383)
Adjustments to reconcile net loss to net cash used in operating activities:				
Stock-based compensation expense	5	64	24	1,133
Non-cash interest expense	66	—	—	—
Change in fair value of derivative liabilities	130	15	—	6,416
Loss on extinguishment of convertible promissory notes	282	—	—	—
Depreciation expense	24	44	32	38
Changes in operating assets and liabilities				
Prepaid expenses and other current assets	(21)	12	15	(270)
Other assets	(5)	(3)	(2)	—
Accounts payable	(59)	264	337	496
Amounts due to related party	1,920	(213)	(1,311)	(453)
Accrued expenses and other current liabilities	(91)	294	700	860
Net cash used in operating activities:	(2,351)	(8,454)	(6,070)	(17,163)
<b>Cash flows from investing activities</b>				
Purchases of equipment	(77)	(76)	(71)	(19)
Changes in other assets	—	—	—	(25)
Net cash used in investing activities	(77)	(76)	(71)	(44)
<b>Cash flows from financing activities</b>				
Proceeds from issuance of common stock	100	—	—	—
Repayment of convertible promissory notes	(50)	—	—	—
Proceeds from issuance of convertible preferred stock, net	9,924	52,312	4,987	44,669
Payment of deferred offering costs	—	—	—	(408)
Net cash provided by financing activities	9,974	52,312	4,987	44,261
<b>Net increase (decrease) in cash and restricted cash</b>	7,546	43,782	(1,154)	27,054
Cash, cash equivalents and restricted cash at beginning of period	332	7,878	7,878	51,660
Cash, cash equivalents and restricted cash at end of period	\$ 7,878	\$ 51,660	\$ 6,724	\$ 78,714
<b>Supplemental disclosures of non-cash investing and financing activities:</b>				
Issuance of shares of series A convertible preferred stock, net in connection with conversion of convertible promissory notes	\$ 2,494	\$ —	\$ —	\$ —
Exercise of series A convertible preferred stock tranche right	\$ 40	\$ —	\$ —	\$ —
Issuance of series B convertible preferred stock tranche right	\$ —	\$ 4,000	\$ —	\$ —
Deferred offering costs included in accounts payable and accrued expenses and other current liabilities	\$ —	\$ —	\$ —	\$ 1,169
Exercise of series B convertible preferred stock tranche right	\$ —	\$ —	\$ —	\$ 6,400

The accompanying notes are an integral part of these consolidated financial statements.

# Black Diamond Therapeutics, Inc.

## Notes to consolidated financial statements

(Amounts in thousands, except share and per share amounts)

### 1. Nature of the business and basis of presentation

Black Diamond Therapeutics, Inc. (the “Company”) is a precision oncology medicine company pioneering the discovery and development of small molecule, tumor-agnostic therapies. The Company was originally organized as a limited liability company in December 2014 under the name ASET Therapeutics LLC. In September 2016 the Company was converted to a corporation under the laws of the State of Delaware under the name ASET Therapeutics, Inc. The Company changed its name to Black Diamond Therapeutics, Inc. in January 2018. Since its inception, the Company has devoted substantially all of its efforts to raising capital, obtaining financing, and incurring research and development costs related to the development of its mutation, allosteric, and pharmacology computational and discovery platform.

The Company is subject to risks and uncertainties common to early-stage companies in the biotechnology industry. There can be no assurance that the Company’s research and development will be successfully completed, that adequate protection for the Company’s technology will be obtained, that any products developed will obtain necessary government regulatory approval or that any products, if approved, will be commercially viable. The Company operates in an environment of rapid technological innovation and substantial competition from pharmaceutical and biotechnological companies. In addition, the Company is dependent upon the services of its employees, consultants and service providers including a related party Ridgeline Therapeutics GmbH (“Ridgeline”). Even if the Company’s product development efforts are successful, it is uncertain when, if ever, the Company will realize significant revenue from product sales.

#### ***Removal of the conclusion that there is substantial doubt about the Company’s ability to continue as a going concern***

As described below, as of August 22, 2019, the original issuance date of the consolidated financial statements for the year ended December 31, 2018, the Company concluded that there was substantial doubt about its ability to continue as a going concern. In November 2019 the Company raised \$85.0 million in proceeds from the issuance and sale of 19,420,124 shares of Series C preferred stock which has alleviated substantial doubt about the Company’s ability to continue as a going concern. As of December 13, 2019, the date the financials were re-issued, the Company expects that its cash balance at September 30, 2019 plus the funding from its Series C preferred stock issuance in November 2019 will enable it to fund its operating expenses and capital requirements into the fourth quarter of 2021. The future viability of the Company is largely dependent on its ability to generate cash from operating activities and to raise additional capital to finance its operations. If the Company is unable to obtain funding, the Company will be forced to delay, reduce or eliminate some or all of its research and development programs, product portfolio expansion or commercialization efforts, which could adversely affect its business prospects, or the Company may be unable to continue operations.

#### ***Going concern***

In accordance with Accounting Standards Update (“ASU”) 2014-15, *Disclosure of Uncertainties about an Entity’s Ability to Continue as a Going Concern (Subtopic 205-40)*, the Company has evaluated whether there are conditions and events, considered in the aggregate, that raise substantial doubt about the Company’s ability to continue as a going concern within one year after the date that the consolidated financial statements are issued.

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From its inception through September 30, 2019, the Company has funded its operations primarily with proceeds from the sale of convertible preferred and common stock and borrowings under convertible promissory notes. The Company has incurred recurring losses since its inception, including net losses of \$4,602 and \$8,931 for the years ended December 31, 2017 and 2018, respectively, and \$5,865 and \$25,383 for the nine months ended September 30, 2018 and 2019 (unaudited), respectively. In addition, as of December 31, 2018 and September 30, 2019 (unaudited), the Company had an accumulated deficit of \$15,712 and \$41,095, respectively. The Company expects to continue to generate operating losses for the foreseeable future.

As of August 22, 2019, the issuance date of the consolidated financial statements for the year ended December 31, 2018, the Company expected that its cash balance at December 31, 2018 and funding from the issuances of series B preferred stock on July 8, 2019 and August 9, 2019 (see Note 15) would enable it to fund its operating expense and capital requirements through the third quarter of 2020. As of October 30, 2019, the issuance date of the interim consolidated financial statements for the nine months ended September 30, 2019 (unaudited), the Company expects that its cash balance will enable it to fund its operating expenses and capital requirements through the third quarter of 2020. The future viability of the Company is largely dependent on its ability to generate cash from operating activities and to raise additional capital to finance its operations. The Company's failure to raise capital as and when needed will have a negative impact on its financial condition and its ability to continue to pursue its business strategies.

The Company is seeking to complete an initial public offering ("IPO") of its common stock. Upon the closing of a qualified public offering, on specified terms, the Company's outstanding convertible preferred stock will automatically convert into common stock (see Note 7). In the event the Company does not complete an IPO, the Company expects to seek additional funding through private equity financings, debt financings, or other capital sources, which may include collaborations with other companies, government funding arrangements or other strategic transactions. The Company may not be able to obtain financing on acceptable terms, or at all, and the Company may not be able to enter into collaborations or other arrangements. The terms of any financing may adversely affect the holdings or the rights of the Company's stockholders.

If the Company is unable to obtain funding, the Company will be forced to delay, reduce or eliminate some or all of its research and development programs, product portfolio expansion or commercialization efforts, which could adversely affect its business prospects, or the Company may be unable to continue operations. Although management continues to pursue these plans, there is no assurance that the Company will be successful in obtaining sufficient funding on terms acceptable to the Company to fund continuing operations, if at all.

Based on its recurring losses from operations incurred since inception, expectation of continuing losses for the foreseeable future and need to raise additional capital to finance its future operations, as of August 22, 2019, the issuance date of the consolidated financial statements for the year ended December 31, 2018, and as of October 30, 2019, the issuance date of the interim consolidated financial statements for the nine months ended September 30, 2019 (unaudited), the Company has concluded that there is substantial doubt about its ability to continue as a going concern.

The accompanying consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty. Accordingly, the consolidated financial statements have been prepared on a basis that assumes the Company will continue as a going concern and which contemplates the realization of assets and satisfaction of liabilities and commitments in the ordinary course of business.

## **2. Summary of significant accounting policies**

### ***Principles of consolidation***

The accompanying consolidated financial statements have been prepared in accordance with GAAP and include the accounts of the Company and its wholly owned subsidiary, Black Diamond Therapeutics (Canada), Inc., after elimination of all significant intercompany accounts and transactions.

### ***Use of estimates***

The preparation of the Company's consolidated financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and the reported amounts of expenses during the reporting periods. Significant estimates and assumptions reflected in these consolidated financial statements include, but are not limited to, the accrual of research and development expenses, the valuation of common stock, the valuation of stock-based awards and the valuation of derivative liabilities. The Company bases its estimates on historical experience, known trends and other market-specific or other relevant factors that it believes to be reasonable under the circumstances. Estimates are periodically reviewed in light of changes in circumstances, facts and experience. Changes in estimates are recorded in the period in which they become known. Actual results may differ from those estimates or assumptions.

### ***Unaudited interim financial information***

The accompanying consolidated balance sheet as of September 30, 2019, the consolidated statements of operations, of convertible preferred stock and stockholders' deficit and of cash flows for the nine months ended September 30, 2018 and 2019 are unaudited. The unaudited interim consolidated financial statements have been prepared on the same basis as the audited annual consolidated financial statements and, in the opinion of management, reflect all adjustments, which include only normal recurring adjustments, necessary for the fair statement of the Company's financial position as of September 30, 2019 and the results of its operations and its cash flows for the nine months ended September 30, 2018 and 2019. The financial data and other information disclosed in these notes related to the nine months ended September 30, 2018 and 2019 are also unaudited. The results for the nine months ended September 30, 2019 are not necessarily indicative of results to be expected for the year ending December 31, 2019, any other interim periods, or any future year or period.

### ***Unaudited pro forma information***

The accompanying unaudited pro forma consolidated balance sheet as of September 30, 2019 has been prepared to give effect, upon the completion of the proposed offering, to (i) the conversion of all outstanding shares of convertible preferred stock into 45,419,229 shares of common stock and (ii) the settlement of the derivative liabilities, as if the proposed offering had occurred on September 30, 2019.

In the accompanying consolidated statements of operations, the unaudited pro forma basic and diluted net loss per share attributable to common stockholders for the year ended December 31, 2018 and nine months ended September 30, 2019 have been prepared to give effect, upon the completion of the proposed offering, to (i) the conversion of all outstanding shares of convertible preferred stock into shares of common stock and (ii) the settlement of the derivative liabilities, as if the proposed offering had occurred on the later of January 1, 2018 or the issuance date of the convertible preferred stock or the warrants (see Note 11). The derivative liabilities will be settled upon the closing of this offering due to all outstanding warrants to purchase shares of convertible preferred stock becoming warrants to purchase shares of common stock.

**Foreign currency and currency translation**

The functional currency for the Company's wholly owned foreign subsidiary, Black Diamond Therapeutics (Canada), Inc. is the United States dollar. Adjustments that arise from exchange rate changes on transactions denominated in a currency other than the local currency are included in other income (expense), net in the consolidated statements of operations, as incurred.

**Cash and cash equivalents**

The Company classifies deposits in banks, money market funds and cash invested temporarily in various instruments with maturities of three months or less at the time of purchase as cash and cash equivalents. At December 31, 2017 and 2018, cash consisted of cash on deposit at commercial banks. At September 30, 2019, cash and cash equivalents includes cash on deposit at commercial banks and a money market fund that invests in U.S. Government securities.

**Restricted cash**

In connection with its operating lease commitments, the Company maintains certain balances for security deposits that are classified as restricted cash on the consolidated balance sheets. At December 31, 2017 and 2018, the Company had no restricted cash. As of September 30, 2019 (unaudited), the Company had \$55 of restricted cash, which has been classified as a non-current asset on the consolidated balance sheet.

**Concentrations of credit risk**

Financial instruments that potentially expose the Company to concentrations of credit risk consist primarily of cash. The Company generally maintains balances in various operating accounts at financial institutions in amounts that may exceed federally insured limits. The Company has not experienced any losses related to its cash and does not believe that it is subject to unusual credit risk beyond the normal credit risk associated with commercial banking relationships.

**Equipment**

Equipment is recorded at cost less accumulated depreciation. Depreciation expense is recognized using the straight-line method over the estimated useful life of each asset as follows:

	<b>Estimated useful life</b>
Laboratory equipment	5 years
Furniture and fixtures	5 years
Computer and office equipment	3 years

When assets are retired or otherwise disposed of, the cost of assets disposed of and the related accumulated depreciation is removed from the accounts and any resulting gain or loss is included in the consolidated statements of operations in the period of disposal. Expenditures for repairs and maintenance are charged to expense as incurred.

**Impairment of long-lived assets**

Long-lived assets consist of equipment. Long-lived assets to be held and used are tested for recoverability whenever events or changes in business circumstances indicate that the carrying amount of the assets may not be fully recoverable. Factors that the Company considers in deciding when to perform an impairment review

include significant underperformance of the business in relation to expectations, significant negative industry or economic trends and significant changes or planned changes in the use of the assets. If an impairment review is performed to evaluate a long-lived asset group for recoverability, the Company compares forecasts of undiscounted cash flows expected to result from the use and eventual disposition of the long-lived asset group to its carrying value. An impairment loss would be recognized in loss from operations when estimated undiscounted future cash flows expected to result from the use of an asset group are less than its carrying amount. The impairment loss would be based on the excess of the carrying value of the impaired asset group over its fair value, determined based on discounted cash flows. The Company did not record any impairment losses on long-lived assets during the years ended December 31, 2017 or 2018 or during the nine months ended September 30, 2019 (unaudited).

#### ***Deferred offering costs***

The Company capitalizes certain legal, professional accounting and other third-party fees that are directly associated with in-process preferred stock or common stock financings as deferred offering costs until such financings are consummated. After consummation of the equity financing, these costs are recorded as a reduction to the carrying value of convertible preferred stock or in stockholders' equity (deficit) as a reduction of additional paid-in capital generated as a result of the offering. Should a planned equity financing be abandoned, the deferred offering costs will be expensed immediately as a charge to operating expenses in the consolidated statements of operations. The Company had no deferred offering costs as of December 31, 2017 and 2018. As of September 30, 2019 (unaudited), the Company recorded deferred offering costs of \$1,577.

#### ***Fair value measurements***

Certain assets and liabilities are carried at fair value under GAAP. Fair value is defined as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. Valuation techniques used to measure fair value must maximize the use of observable inputs and minimize the use of unobservable inputs. Financial assets and liabilities carried at fair value are to be classified and disclosed in one of the following three levels of the fair value hierarchy, of which the first two are considered observable and the last is considered unobservable:

Level 1 — Quoted prices in active markets for identical assets or liabilities.

Level 2 — Observable inputs (other than Level 1 quoted prices), such as quoted prices in active markets for similar assets or liabilities, quoted prices in markets that are not active for identical or similar assets or liabilities, or other inputs that are observable or can be corroborated by observable market data.

Level 3 — Unobservable inputs that are supported by little or no market activity that are significant to determining the fair value of the assets or liabilities, including pricing models, discounted cash flow methodologies and similar techniques.

The carrying values of the Company's prepaid expenses and other current assets, and accounts payable and accrued expenses approximate their fair values due to the short-term nature of these assets and liabilities.

#### ***Derivative liabilities***

In connection with certain convertible promissory notes and preferred stock financings, the Company has identified certain embedded and freestanding derivatives, which are recorded as liabilities on the consolidated balance sheets and are remeasured to fair value at each reporting date until the derivative is settled. Changes in the fair value of the derivative liabilities are recognized in the consolidated statements of operations.

***Classification of convertible preferred stock***

The Company's convertible preferred stock is classified outside of stockholders' deficit because the holders of such shares have liquidation rights in the event of a deemed liquidation that, in certain situations, are not solely within the control of the Company.

***Segment information***

The Company manages its operations as a single operating segment for the purposes of assessing performance and making operating decisions. The Company's singular focus is the development of selective medicines for patients with genetically defined cancers driven by oncogenes activated by allosteric mutations.

***Research and development costs***

Research and development costs are expensed as incurred. Research and development expenses consist of costs incurred to discover, research and develop drug candidates, including personnel expenses, stock-based compensation expense, allocated facility-related and depreciation expenses, third-party license fees and external costs of outside vendors engaged to conduct preclinical development activities. Non-refundable prepayments for goods or services that will be used or rendered for future research and development activities are recorded as prepaid expenses. Such amounts are recognized as an expense as the goods are delivered or the related services are performed, or until it is no longer expected that the goods will be delivered, or the services rendered.

***Research contract costs and accruals***

The Company has entered into various research and development-related contracts with companies both inside and outside of the United States. The related costs are recorded as research and development expenses as incurred. The Company records accruals for estimated ongoing research costs. When evaluating the adequacy of the accrued liabilities, the Company analyzes progress of the studies, including the phase or completion of events, invoices received and contracted costs. Significant judgments and estimates are made in determining the accrued balances at the end of any reporting period. Actual results could differ materially from the Company's estimates. The Company's historical accrual estimates have not been materially different from the actual costs.

***Patent costs***

All patent-related costs incurred in connection with filing and prosecuting patent applications to operations are expensed as incurred due to the uncertainty about the recovery of the expenditure. Amounts incurred are classified as general and administrative expenses.

***Stock-based compensation***

The Company measures all stock-based awards granted to employees and directors based on the fair value on the date of grant and recognizes compensation expense of those awards over the requisite service period, which is generally the vesting period of the respective award. Forfeitures are accounted for as they occur. Generally, the Company issues awards with only service-based vesting conditions and records the expense for these awards using the straight-line method.

For stock-based awards granted to consultants and non-employees, compensation expense is recognized over the vesting period of the awards, which is generally the period during which services are rendered by such

consultants and non-employees until completed. At the end of each financial reporting period prior to completion of the service, the fair value of these awards is remeasured using the then-current fair value of the Company's common shares and updated assumption inputs in the Black-Scholes option-pricing model.

The Company classifies stock-based compensation expense in its consolidated statements of operations in the same manner in which the award recipient's payroll costs are classified or in which the award recipient's service payments are classified.

The fair value of each restricted common stock award is estimated on the date of grant based on the fair value of the Company's common stock on that same date. The fair value of each option grant is estimated on the date of grant using the single option award approach, which requires inputs based on certain subjective assumptions, including the expected stock price volatility, the expected term of the award, the risk-free interest rate, and expected dividends (see Note 9). The Company historically has been a private company and lacks company-specific historical and implied volatility information for its stock. Therefore, it estimates its expected stock price volatility based on the historical volatility of publicly traded peer companies and expects to continue to do so until such time as it has adequate historical data regarding the volatility of its own traded stock price. The expected term of the Company's options has been determined utilizing the "simplified" method for awards that qualify as "plain-vanilla" options. The expected term of options granted to non-employees is equal to the contractual term of the option award. The risk-free interest rate is determined by reference to the U.S. Treasury yield curve in effect at the time of grant of the award for time periods approximately equal to the expected term of the award. Expected dividend yield is based on the fact that the Company has never paid cash dividends on common stock and does not expect to pay any cash dividends in the foreseeable future.

### ***Income taxes***

The Company accounts for income taxes using the asset and liability method, which requires the recognition of deferred tax assets and liabilities for the expected future tax consequences of events that have been recognized in the consolidated financial statements or in the Company's tax returns. Deferred tax assets and liabilities are determined on the basis of the differences between the financial statements and tax basis of assets and liabilities using enacted tax rates in effect for the year in which the differences are expected to reverse. Changes in deferred tax assets and liabilities are recorded in the provision for income taxes. The Company assesses the likelihood that its deferred tax assets will be recovered from future taxable income and, to the extent it believes, based upon the weight of available evidence, that it is more likely than not that all or a portion of the deferred tax assets will not be realized, a valuation allowance is established through a charge to income tax expense. Potential for recovery of deferred tax assets is evaluated by estimating the future taxable profits expected and considering prudent and feasible tax planning strategies.

The Company accounts for uncertainty in income taxes recognized in the consolidated financial statements by applying a two-step process to determine the amount of tax benefit to be recognized. First, the tax position must be evaluated to determine the likelihood that it will be sustained upon external examination by the taxing authorities. If the tax position is deemed more-likely-than-not to be sustained, the tax position is then assessed to determine the amount of benefit to recognize in the consolidated financial statements. The amount of the benefit that may be recognized is the largest amount that has a greater than 50% likelihood of being realized upon ultimate settlement. The provision for income taxes includes the effects of any resulting tax reserves, or unrecognized tax benefits, that are considered appropriate as well as the related net interest and penalties. To date, the Company has not taken any uncertain tax positions or recorded any reserves, interest or penalties.



### **Net income (loss) per share**

The Company follows the two-class method when computing net income (loss) per share as the Company has issued shares that meet the definition of participating securities. The two-class method determines net income (loss) per share for each class of common and participating securities according to dividends declared or accumulated, and participation rights in undistributed earnings. The two-class method requires income available to common stockholders for the period to be allocated between common and participating securities based upon their respective rights to receive dividends as if all income for the period had been distributed.

Basic net income (loss) per share attributable to common stockholders is computed by dividing the net income (loss) attributable to common stockholders by the weighted average number of common shares outstanding for the period. Diluted net income (loss) attributable to common stockholders is computed by adjusting net income (loss) attributable to common stockholders to reallocate undistributed earnings based on the potential impact of dilutive securities. Diluted net income (loss) per share attributable to common stockholders is computed by dividing the diluted net income (loss) attributable to common stockholders by the weighted average number of common shares outstanding for the period, including potential dilutive common stock. For purpose of this calculation, outstanding options, unvested restricted common stock and convertible preferred stock are considered potential dilutive common stock and are excluded from the computation of net income (loss) per share as their effect is anti-dilutive.

The Company's convertible preferred stock contractually entitles the holders of such shares to participate in dividends but does not contractually require the holders of such shares to participate in losses of the Company. Accordingly, in periods in which the Company reports a net loss, such losses are not allocated to such participating securities. In periods in which the Company reports a net loss attributable to common stockholders, diluted net loss per share attributable to common stockholders is the same as basic net loss per share attributable to common stockholders, since dilutive common shares are not assumed to be outstanding if their effect is anti-dilutive. The Company reported a net loss attributable to common stockholders for the years ended December 31, 2017 and 2018 and for the nine months ended September 30, 2018 and 2019 (unaudited).

### **Recently adopted accounting pronouncements**

In May 2017, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") No. 2017-09, *Compensation—Stock Compensation (Topic 718): Scope of Modification Accounting* ("ASU 2017-09"), which clarifies when to account for a change to the terms or conditions of a share-based payment award as a modification. Under the new guidance, modification accounting is required only if the fair value, the vesting conditions or the classification of the award (as equity or liability) changes as a result of the change in terms or conditions. ASU 2017-09 is effective for annual periods beginning after December 15, 2017, including interim periods within those fiscal years. Early adoption is permitted. The Company adopted ASU 2017-09 as of the required effective date of January 1, 2018. The adoption of ASU 2017-09 will have an impact on the modification of share-based awards, if any, after the date of adoption.

In March 2016, the FASB issued ASU No. 2016-09, *Compensation—Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting* ("ASU 2016-09"). ASU 2016-09 addresses several aspects of the accounting for share-based payment transactions, including the income tax consequences, classification of awards as either equity or liabilities, an option to recognize gross share compensation expense with actual forfeitures recognized as they occur, and classification on the statement of cash flows. Certain of these changes are required to be applied retrospectively, while other changes are required to be applied prospectively. The Company adopted ASU 2016-09 effective as of January 1, 2018 and elected prospectively to account for forfeitures as they occur rather than apply an estimated forfeiture rate to share-based

compensation expense. The adoption of ASU 2016-09 did not have a material impact on the Company's financial position, results of operations or cash flows.

In November 2014, the FASB issued ASU No. 2014-16, *Determining Whether the Host Contract in a Hybrid Financial Instrument Issued in the Form of a Share Is More Akin to Debt or to Equity* ("ASU 2014-16"). The guidance requires an entity to determine the nature of the host contract by considering all stated and implied substantive terms and features of the hybrid financial instrument, weighing each term and feature on the basis of the relevant facts and circumstances (commonly referred to as the whole-instrument approach). The Company adopted ASU 2014-16 effective as of January 1, 2017, which did not have a material impact on the Company's financial position, results of operations or cash flows.

In August 2014, the FASB issued ASU No. 2014-15, *Presentation of Financial Statements—Going Concern (Subtopic 205-40): Disclosure of Uncertainties about an Entity's Ability to Continue as a Going Concern* ("ASU 2014-15"). The amendments in this update explicitly require a company's management to assess if there is substantial doubt about an entity's ability to continue as a going concern within one year of the date of issuance of the entity's financial statements and to provide related footnote disclosures in certain circumstances. The Company adopted ASU 2014-15 effective as of January 1, 2017. This guidance relates to footnote disclosure only and its adoption had no impact on the Company's financial position, results of operations or cash flows.

#### **Recently issued accounting pronouncements**

In August 2018, the FASB issued ASU No. 2018-13, *Fair Value Measurement (Topic 820): Disclosure Framework—Changes to the Disclosure Requirements for Fair Value Measurement*. The ASU modifies, and in certain cases eliminates, the disclosure requirements on fair value measurements in Topic 820. The amendments in ASU No. 2018-13 are effective for the Company on January 1, 2020. Early adoption is permitted. An entity is permitted to early adopt any removed or modified disclosures upon issuance of ASU No. 2018-13 and delay adoption of the additional disclosures until their effective date. The Company is currently assessing the impact that adopting this new accounting standard will have on its consolidated financial statements and footnote disclosures.

In July 2017, the FASB issued ASU No. 2017-11, *Earnings Per Share (Topic 260), Distinguishing Liabilities from Equity (Topic 480), Derivatives and Hedging (Topic 815) I. Accounting for Certain Financial Instruments with Down Round Features II. Replacement of the Indefinite Deferral for Mandatorily Redeemable Financial Instruments of Certain Nonpublic Entities and Certain Mandatorily Redeemable Noncontrolling Interests with a Scope Exception* ("ASU 2017-11"). Part I applies to entities that issue financial instruments such as warrants, convertible debt or convertible preferred stock that contain down-round features. Part II replaces the indefinite deferral for certain mandatorily redeemable noncontrolling interests and mandatorily redeemable financial instruments of nonpublic entities contained within ASC Topic 480 with a scope exception and does not impact the accounting for these mandatorily redeemable instruments. ASU 2017-11 is required to be adopted for annual periods beginning after December 15, 2019. This standard is effective for the Company on January 1, 2020. The Company is still assessing the impact of adopting this standard.

In August 2016, the FASB issued ASU No. 2016-15, *Statement of Cash Flows (Topic 230): Classification of Certain Cash Receipts and Cash Payments* ("ASU 2016-15"). This guidance addresses diversity in practice in how certain cash receipts and cash payments are presented in the statement of cash flows. The standard is effective for fiscal years beginning after December 15, 2018, and early adoption is permitted. The adoption of ASU 2016-15 is required to be applied retrospectively. The Company adopted ASU 2017-09 as of January 1, 2019, and the adoption did not have an impact on the Company's consolidated statement of cash flows.

In February 2016, the FASB issued ASU No. 2016-02, *Leases (Topic 842)* ("ASU 2016-02"), which sets out the principles for the recognition, measurement, presentation and disclosure of leases for both parties to a contract

(i.e., lessees and lessors). The new standard requires lessees to apply a dual approach, classifying leases as either finance or operating leases based on the principle of whether or not the lease is effectively a financed purchase by the lessee. This classification will determine whether lease expense is recognized based on an effective interest method or on a straight-line basis over the term of the lease, respectively. A lessee is also required to record a right-of-use asset and a lease liability for all leases with a term of greater than 12 months regardless of their classification. Leases with a term of 12 months or less will be accounted for substantially similar to existing guidance for operating leases today. The guidance is effective for the Company on January 1, 2020, and early adoption is permitted.

In July 2018, the FASB subsequently issued ASU No. 2018-11, *Leases (Topic 842): Targeted Improvements* (“ASU 2018-11”), which includes certain amendments to ASU 2016-02 intended to provide relief in implementing the new standard. Among these amendments is the option to not restate comparative periods presented in the financial statements. The Company is assessing the impact of adopting the new standard.

In May 2014, the FASB issued ASU No. 2014-09, *Revenue from Contracts with Customers* (Topic 606) (“ASU 2014-09”), which supersedes existing revenue recognition guidance under GAAP. The standard’s core principle is that a company will recognize revenue when it transfers promised goods or services to customers in an amount that reflects the consideration to which the company expects to be entitled in exchange for those goods or services. The standard defines a five-step process to achieve this principle and will require companies to use more judgment and make more estimates than under the current guidance. The Company expects that these judgments and estimates will include identifying performance obligations in the customer contract, estimating the amount of variable consideration to include in the transaction price and allocating the transaction price to each separate performance obligation. ASU 2014-09 also requires additional disclosure about the nature, amount, timing and uncertainty of revenue and cash flows arising from customer contracts. In August 2015, the FASB issued ASU No. 2015-14, *Revenue from Contracts with Customers* (Topic 606): *Deferral of the Effective Date*, which delays the effective date of ASU 2014-09 such that the standard is effective for annual periods beginning after December 15, 2018. The FASB subsequently issued amendments to ASU 2014-09 that have the same effective date and transition date. The Company adopted ASU 2014-09 as of January 1, 2019 and the adoption did not have an impact on the Company’s consolidated financial statements as the Company does not currently have any revenue-generating arrangements.

### 3. Fair value of financial assets and liabilities

The following tables present information about the Company’s financial assets and liabilities measured at fair value on a recurring basis and indicate the level of the fair value hierarchy used to determine such fair values:

	Fair value measurements as of December 31, 2017 using:			
	Level 1	Level 2	Level 3	Total
<b>Assets</b>				
	\$ —	\$ —	\$ —	\$ —
<b>Liabilities</b>				
Derivative liabilities	\$ —	\$ —	\$ 8	\$ 8
	\$ —	\$ —	\$ 8	\$ 8

	Fair value measurements as of December 31, 2018 using:			
	Level 1	Level 2	Level 3	Total
<b>Assets</b>				
	\$ —	\$ —	\$ —	\$ —
<b>Liabilities</b>				
Derivative liabilities	\$ —	\$ —	\$ 4,023	\$ 4,023
	\$ —	\$ —	\$ 4,023	\$ 4,023

	Fair value measurements as of September 30, 2019 using:			
	Level 1	Level 2	Level 3	Total (unaudited)
<b>Assets</b>				
Money market funds	\$ 73,781	\$ —	\$ —	\$ 73,781
	\$ 73,781	\$ —	\$ —	\$ 73,781
<b>Liabilities</b>				
Derivative liabilities	\$ —	\$ —	\$ 39	\$ 39
	\$ —	\$ —	\$ 39	\$ 39

The Company did not hold any cash equivalents as of December 31, 2017 or 2018. Money market funds were valued by the Company based on quoted market prices, which represent a Level 1 measurement within the fair value hierarchy. During the years ended December 31, 2017 and 2018 and the nine months ended September 30, 2019 (unaudited), there were no transfers between Level 1, Level 2 and Level 3.

**Valuation of derivative liabilities**

The fair value of the derivative liabilities (see Notes 6 and 7) is based on significant inputs not observable in the market, which represents a Level 3 measurement within the fair value hierarchy.

*Conversion feature*

The Company's outstanding convertible promissory notes (see Note 6) contained a conversion feature, which met the definition of a derivative instrument as it was not considered clearly and closely related to the economic characteristics and risks of the convertible promissory notes because the conversion feature provided for the accelerated repayment of the convertible promissory notes at a substantial premium upon the occurrence of specified events. The Company classified the instrument as a derivative liability, which was initially recorded at fair value upon issuance of the convertible promissory notes and was subsequently remeasured to fair value at each reporting date, with the Company recognizing changes in the fair value of the derivative liabilities in the consolidated statement of operations.

The fair value was determined using a with and without analysis within a probability-weighted expected return method ("PWERM"), which considered as inputs the type, timing and probability of occurrence of a future equity financing; the potential amount of the payment under each of these potential settlement scenarios (with and without the conversion feature); and the discount rate reflecting the expected risk profile for each of the potential settlement scenarios.

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In March 2017, in connection with the Company's issuance and sale of series A convertible preferred stock, all of the outstanding principal and accrued interest under the convertible promissory notes was automatically converted into shares of series A convertible preferred stock and the derivative liability was extinguished (see Notes 6 and 7).

### *Tranche rights*

The Company's issuance of series A and series B convertible preferred stock (see Note 7) provided investors the right to participate in subsequent offerings of series A and series B convertible preferred stock, respectively, in the event specified developmental and regulatory milestones were achieved. The Company classifies the tranche rights as derivative liabilities on its consolidated balance sheet as it was determined that the tranche rights met the definition of a freestanding financial instrument since they are legally detachable. It was also determined that such instruments represent forward sale contracts on redeemable shares and, accordingly, the instruments should be accounted for as a liability separate from the convertible preferred stock. The Company remeasures the derivative liabilities associated with tranche rights to fair value at each reporting date, and recognizes changes in the fair value of the derivative liabilities in the consolidated statements of operations.

The fair value of the derivative liabilities was determined using a back solve approach based on the price paid for the underlying series A and B convertible preferred stock and the derivative liability. The derivative liabilities were valued as forward contracts which considered inputs including, but not limited to, the probability of attaining milestones, market-based assumptions for expected term and the risk free rate.

### *Series A tranche right*

The fair value of the tranche right related to the Company's series A convertible preferred stock (see Note 7) upon issuance in March 2017 was \$500. In December 2017, the Company executed a waiver of the developmental milestone whereby the tranche right was executed and an additional 5,000,000 series A preferred shares were issued, resulting in the extinguishment of the related derivative liability.

### *Series B tranche right*

The fair value of the tranche right related to the Company's series B convertible preferred stock (see Note 7) upon issuance in December 2018 was \$4,000. The change in fair value between the issuance date of December 21, 2018 and December 31, 2018 was *de minimis*. In July 2019, the Company executed a waiver of the developmental milestone whereby the tranche right was executed and an additional 11,294,902 series B preferred shares were issued, resulting in the extinguishment of the related derivative liability. The change in the fair value of the tranche right between December 31, 2018 and the date of extinguishment was \$6,400.

### *Warrants to purchase series A convertible preferred stock*

In March 2017, the Company issued warrants to purchase 32,442 shares of series A convertible preferred stock. The Company accounts for the warrants to purchase series A convertible preferred stock as a liability as these warrants are freestanding financial instruments that may require the Company to transfer assets upon exercise. Such liability is *de minimis* to the consolidated financial statements, and is included in derivative liabilities.

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The following table presents the key inputs of the tranche rights derivative liabilities:

	Fiscal year ended		Nine months ended	
	December 31,		September 30,	
	2017	2018	2018	2019
				(unaudited)
Risk-free interest rate	1.8%	2.6%	—	1.6%
Expected term (in years)	2.0	2.0	—	2.0
Expected volatility	65.0%	65.0%	—	65.0%
Expected dividend yield	0.0%	0.0%	—	0.0%
				<b>Derivative liabilities</b>
<b>Balance at December 31, 2016</b>				\$ 410
Extinguishment of convertible promissory notes conversion feature				(500)
Issuance of series A preferred stock tranche right				500
Exercise of series A preferred stock tranche right				(540)
Issuance of warrants to purchase series A convertible preferred stock				8
Change in fair value				130
<b>Balance at December 31, 2017</b>				8
Issuance of series B preferred stock tranche right				4,000
Change in fair value				15
<b>Balance at December 31, 2018</b>				\$ 4,023
Change in fair value				6,416
Exercise of series B preferred stock tranche right				(10,400)
<b>Balance at September 30, 2019 (unaudited)</b>				\$ 39

#### 4. Equipment, net

Equipment, net consisted of the following (in thousands):

	December 31,		September 30,
	2017	2018	2019
			(unaudited)
Laboratory equipment	\$ 154	\$ 220	\$ 221
Furniture and fixtures	—	—	12
Computer and office equipment	4	14	21
	158	234	254
Less: Accumulated depreciation	(56)	(100)	(138)
Total equipment, net	\$ 102	\$ 134	\$ 116

Depreciation expense for the years ended December 31, 2017 and 2018 and for the nine months ended September 30, 2018 and 2019 (unaudited) was \$24, \$44, \$32 and \$38, respectively.

## 5. Accrued expenses

Accrued expenses consisted of the following (in thousands):

	December 31,		September 30,
	2017	2018	2019
			(unaudited)
Contracted research services	\$ 19	\$ —	\$ —
Payroll and related expenses	124	357	693
Professional and consulting fees	15	95	647
Legal fees	—	—	642
	\$ 158	\$ 452	\$ 1,982

## 6. Convertible promissory notes

From July 2014 to September 2016, the Company issued convertible promissory notes to various parties and stockholders totaling \$1,350 (the "Original Notes"). In October 2016, the Company issued a series of convertible promissory notes (the "Restated Notes") which amended and restated in their entirety the Original Notes in favor of the Original Notes holders at the original stated principal amount with interest accruing from the original issue date. In September 2016, the Company also issued a new convertible promissory note to a party in the amount of \$500 (the "New Note" and together with the Restated Notes, the "Notes"). The Notes bore interest at 8% per annum. All unpaid principal, together with the then accrued interest, for each of the Notes outstanding was due and payable on September 21, 2018.

The outstanding Notes, and accrued interest thereon, were (1) automatically convertible upon the closing of a qualifying equity financing, as defined in the agreement, into the class and series of shares to be issued to investors participating in the financing at a conversion price per share equal to the price per share paid by the investors multiplied by 80%, (2) convertible at the option of each holder upon written election, whereby all outstanding principal and accrued interest thereon, are converted to shares of common stock at the price per share obtained by dividing \$4,500,000 by the Company's fully-diluted capitalization assuming exercise or conversion of all convertible securities of the Company and excluding any shares issuable upon conversion of the notes, (3) due and payable in cash upon a change in control, as defined in the agreement, in an amount equal to 300% of such principal and accrued interest, (4) due and payable in cash upon an event of default, as defined in the agreement and (5) prepayable at any time without penalty. There were no financial or negative covenants associated with the Notes.

The Company concluded that the conversion feature in the event of a qualified financing met the definition of an embedded derivative that was required to be bifurcated for as a separate instrument because it was not clearly and closely related to the economic characteristics and risks of the Notes since the conversion feature provided for the accelerated repayment of the Notes at a substantial premium upon the occurrence of specified events. The Company recorded the issuance-date fair value of the derivative liability of \$370 as a debt discount and as a derivative liability in the Company's consolidated balance sheet.

In January 2017, \$50 of the Notes were repaid. In March 2017, the Company completed a qualified financing and all of the outstanding Notes and the accrued interest thereon, aggregating \$1,800 and \$201, respectively, were converted into 2,501,503 shares of series A convertible preferred stock. The Company accounted for the conversion of the Notes as a debt extinguishment and recognized a loss on extinguishment of convertible promissory notes of \$282 in the accompanying statements of operations. The loss on extinguishment was calculated as the difference between (i) the fair value of the 2,501,503 shares of series A convertible preferred

stock issued of \$2,502 (inclusive of the \$8 warrant liability recorded upon issuance) and (ii) the carrying value of the Notes, net of the unamortized debt discount, of \$1,519, plus the then-current fair value of derivative liability associated with the Notes at the time of the extinguishment of \$500 and the accrued interest of \$201.

## **7. Convertible preferred stock**

As of December 31, 2018, the Company's Certificate of Incorporation, as amended and restated (the "Amended Certificate of Incorporation"), designated 44,867,103 authorized shares to be issued as convertible preferred stock with a par value of \$0.0001 per share, of which 22,533,945 shares have been further designated as series A convertible preferred stock (the "series A preferred stock") and 22,333,158 shares have been further designated as series B convertible preferred stock (the "series B preferred stock"). As of September 30, 2019, the Company's Amended Certificate of Incorporation designated 45,451,685 authorized shares to be issued as convertible preferred stock with a par value of \$0.0001 per share, of which 22,533,945 shares have been further designated as series A preferred stock, and 22,917,740 shares have been further designated as series B preferred stock. The holders of preferred stock have liquidation rights in the event of a deemed liquidation that, in certain situations, are not solely within the control of the Company. Therefore, the series A and series B preferred stock (collectively, the "preferred stock") are classified outside of stockholders' deficit.

### ***Series A preferred stock financing***

In March 2017, the Company issued and sold 5,000,000 shares of series A preferred stock at a price of \$1.00 per share for proceeds of \$4,924, net of issuance costs of \$76. The sale of series A preferred shares met the definition of a qualified equity financing, which triggered the automatic conversion of the Company's outstanding notes payable plus unpaid interest into 2,501,503 series A preferred shares (see Note 6).

The series A preferred stock financing included a provision for the issuance of an additional 5,000,000 series A preferred shares at a price of \$1.00 in exchange for gross proceeds of \$5,000 in the event the Company achieved certain developmental milestones. The Company classified this tranche right as a derivative liability on its consolidated balance sheet on the date of issuance, and the fair value of the tranche right on the date of issuance of \$500 was recorded as both a derivative liability and as a reduction to the carrying value of the series A preferred stock. In December 2017, the Company executed a waiver of the developmental milestones whereby the tranche right was executed and an additional 5,000,000 series A preferred shares were issued.

In August 2018, the Company issued and sold an additional 5,000,000 series A preferred shares at a price of \$1.00 per share for proceeds of \$4,899, net of issuance costs of \$101. The issuance of series A preferred shares included a provision for the issuance of an additional 5,000,000 series A preferred shares at a price of \$1.00 in exchange for gross proceeds of \$5,000, provided the purchase occurred before December 15, 2018. In November 2018, the additional series A preferred shares were issued.

### ***Series B preferred stock financing***

In December 2018, the Company issued 11,166,572 series B preferred shares at a price of \$3.81 for proceeds of \$42,414, net of issuance costs of \$86.

The series B preferred stock financing included a provision for the issuance of an additional 11,166,572 series B preferred shares at a price of \$3.81 in exchange for gross proceeds of \$42,500 in the event the Company achieved a regulatory milestone. Consistent with the accounting considerations for the series A tranche right, the Company classified this tranche right as a derivative liability on its consolidated balance sheet on the date of issuance, and the fair value of the tranche right on the date of issuance of \$4,000 was recorded as both a derivative liability and as a reduction to the carrying value of the series B preferred shares.



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In July 2019, the Company issued and sold an additional 456,252 shares of its series B preferred stock at a price of \$3.81 per share for gross proceeds of \$1,736 and increased the series B tranche right provision for the issuance of an additional 128,330 series B preferred shares at a price of \$3.81. In August 2019, the Company waived the clinical milestone requirement and exercised the tranche right for the second tranche of its series B preferred stock and issued an additional 11,294,902 shares of its series B preferred stock.

As of each balance sheet date, the preferred stock consisted of the following:

	Shares authorized	Shares issued and outstanding	Carrying value	Liquidation preference	Conversion price per share
<b>As of December 31, 2017</b>					
Series A convertible preferred stock	12,501,503	12,501,503	\$ 12,458	\$ 12,502	\$ 1.00
<b>As of December 31, 2018</b>					
Series A convertible preferred stock	22,533,945	22,501,503	\$ 22,357	\$ 22,502	\$ 1.00
Series B convertible preferred stock	22,333,158	11,166,572	38,413	42,500	3.81
	44,867,103	33,668,075	\$ 60,770	\$ 65,002	
<b>As of September 30, 2019 (unaudited)</b>					
Series A convertible preferred stock	22,533,945	22,501,503	\$ 22,357	\$ 22,502	\$ 1.00
Series B convertible preferred stock	22,917,740	22,917,726	93,483	87,225	3.81
	45,451,685	45,419,229	\$ 115,840	\$ 109,727	

The holders of the preferred stock have the following rights and preferences:

### *Voting*

The holders of preferred stock are entitled to vote, together with the holders of common stock, on all matters submitted to stockholders for a vote. Each holder of outstanding shares of preferred stock shall be entitled to cast the number of votes equal to the number of whole shares of common stock into which the shares of preferred stock held by such holder are convertible as of the record date for determining stockholders entitled to vote on such matter. Except as provided by law or by the other provisions of the Amended Certificate of Incorporation, holders of preferred stock vote together with the holders of common stock as a single class.

The holders of record of the shares of series B preferred stock, exclusively and as a separate class, are entitled to elect two directors of the Company (the "series B directors"); the holders of record of the shares of series A preferred stock, exclusively and as a separate class, are entitled to elect two directors of the Company (the "series A directors" and together with the series B directors, the "preferred directors").

### *Conversion*

Each share of preferred stock shall be convertible, at the option of the holder, at any time and from time to time, and without the payment of additional consideration by the holder thereof, into such number of fully paid and non-assessable shares of common stock as is determined by dividing the original issue price by the conversion price (as defined below) in effect at the time of conversion.

The series A original issue price and series A conversion price were equal to \$1.00 as of December 31, 2017 and 2018 and September 30, 2019 (unaudited). The series B original issue price and series B conversion price were

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equal to \$3.81 as of December 31, 2018 and September 30, 2019 (unaudited). Such series A and series B original issue prices and series A and series B conversion prices, the rate at which each series of preferred stock may be converted into common stock, are subject to adjustment from time to time to reflect future stock dividends, splits, combinations, recapitalizations and similar events. The series A and series B conversion prices are also subject to adjustments based on weighted-average anti-dilution provisions set forth in the Amended Certificate of Incorporation in the event that additional securities are issued at a purchase price less than the series A conversion price and/or the series B conversion price then in effect. As of December 31, 2017 and 2018 and September 30, 2019 (unaudited), each share of series A preferred stock was convertible into one share of common stock. As of December 31, 2018 and September 30, 2019 (unaudited), each share of series B preferred stock was convertible into one share of common stock.

Upon either (a) the closing of the sale of shares of common stock to the public at a price per share of at least \$7.00, subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization with respect to the common stock in a firm-commitment underwritten public offering pursuant to an effective registration statement under the Securities Act of 1933, as amended, resulting in at least \$75,000 of gross proceeds to the Company, a qualified IPO, or (b) the date and time, or the occurrence of an event, specified by vote or written consent of the requisite preferred holders, then (i) all outstanding shares of preferred stock shall automatically be converted into shares of common stock, at the then effective conversion rate and (ii) such stock may not be reissued by the Company.

### *Dividends*

The holders of the preferred stock are entitled to receive noncumulative dividends when and if declared by Company's board of directors. The Company may not declare, pay or set aside any dividends on any other class or series of stock of the Company, other than dividends on common stock payable in common stock, unless the holders of the preferred stock first receive, or simultaneously receive, a dividend on each outstanding preferred stock equal to (a) in the case of a dividend on any class of common stock or any class or series that is convertible into common stock, that dividend per preferred stock as would equal the product of (i) the dividend payable on each share of such class or series determined, if applicable, as if all shares of such class or series had been converted into common stock and (ii) the number of common stock issuable upon conversion of a stock the applicable series of preferred stock, or (b) in the case of a dividend on any class or series that is not convertible into common stock, at a rate per preferred stock determined by (i) dividing the amount of the dividend payable on each share of such class or series of stock by the original issue price of such class or series (subject to appropriate adjustment in the event of any bonus stock, stock dividend, stock split, combination of or other similar recapitalization with respect to such class or series) and (ii) multiplying such fraction by an amount equal to the applicable series A or series B original issue price. No cash dividends were declared or paid during the years ended December 31, 2017 or 2018 or the nine months ended September 30, 2019 (unaudited).

### *Liquidation preference*

In the event of any liquidation, dissolution or winding up of the Company, the holders of shares of series B preferred stock and series A preferred stock then outstanding, on a pro rata, as converted and *pari passu* basis, shall be entitled to be paid out of the assets of the Company available for distribution to its stockholders, an amount per share equal to the applicable original issue price for such class or series of preferred stock, plus any dividends declared but unpaid thereon.

If upon any such liquidation, dissolution or winding up of the Company or deemed liquidation event, the assets of the Company available for distribution to its stockholders shall be insufficient to pay the holders of shares of preferred stock the full amount to which they shall be entitled, the holders of shares of series preferred stock

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shall stock ratably, on a *pari passu* basis, in any distribution of the assets available for distribution in proportion to the respective amounts which would otherwise be payable in respect of the stock held by them upon such distribution if all amounts payable on or with respect to such stock were paid in full.

Unless a majority of the holders of the then outstanding preferred stock, on an as-if-converted to common stock basis, elect otherwise, a deemed liquidation event shall include a merger or consolidation (other than one in which stockholders of the Company own a majority by voting power of the outstanding shares of the surviving or acquiring company or corporation) or a sale, lease, transfer, exclusive license or other disposition of all or substantially all of the assets of the Company.

### *Redemption*

The Amended Certificate of Incorporation do not provide redemption rights to the holders of preferred stock.

The holders of shares of convertible preferred stock have liquidation rights in the event of a deemed liquidation that, in certain situations, are not solely within the control of the Company. Therefore, the preferred stock is classified outside of stockholders' deficit.

Upon issuance of each class of preferred stock, the Company assessed the embedded conversion and liquidation features of the securities. The Company determined that each class of preferred stock did not require the Company to separately account for the liquidation features. The Company also concluded that no beneficial conversion feature existed upon the issuance date of the series A preferred stock or series B preferred stock as of December 31, 2017 or 2018 or September 30, 2019 (unaudited).

## **8. Common stock**

As of December 31, 2017, the Amended Certificate of Incorporation authorized the Company to issue 19,533,945 shares of common stock with a par value of \$0.0001. As of December 31, 2018, the Amended Certificate of Incorporation authorized the Company to issue 57,803,522 shares of common stock with a par value of \$0.0001. As of September 30, 2019, the Amended Certificate of Incorporation authorized the Company to issue 58,803,522 shares of common stock with a par value of \$0.0001. The voting, dividend and liquidation rights of the holders of the Company's common stock are subject to and qualified by the rights, powers and preferences of the holders of the preferred stock as set forth above.

The Company had reserved 13,257,445 shares and 38,558,765 shares as of December 31, 2017 and 2018, respectively, and 51,762,784 shares as of September 30, 2019 (unaudited), of common stock for the conversion of outstanding shares of preferred stock (see Note 7), the exercise of outstanding stock options, the number of shares remaining available for grant under the Company's 2017 Equity Incentive Plan (see Note 9) and the exercise of the outstanding warrants to purchase shares of series A preferred stock (see Note 6), assuming all warrants to purchase shares of series A preferred stock became warrants to purchase shares of common stock at the applicable conversion ratio.

On March 13, 2017, the Company effected a 2.45818-for-1 stock split of its issued and outstanding and authorized shares of common stock. Accordingly, all share and per share amounts for all periods presented in the accompanying consolidated financial statements and notes thereto have been adjusted retroactively, where applicable, to reflect this stock split.

### **Voting**

Each share of common stock entitles the holder to one vote on all matters submitted to a vote of the Company's stockholders.

### ***Dividends***

Common stockholders are entitled to receive dividends, as may be declared by the board of directors. These dividends are subject to the preferential dividend rights of the holders of the Company's preferred stock. When dividends are declared on shares of common stock, the Company must declare at the same time a dividend payable to the holders of preferred stock equivalent to the dividend amount they would receive if each preferred share were converted into common stock. The Company may not pay dividends to common stockholders until all dividends declared but unpaid on the preferred stock have been paid in full. No cash dividends were declared or paid during the years ended December 31, 2017 or 2018 or the nine months ended September 30, 2019 (unaudited).

## **9. Stock-based compensation**

### ***2017 Equity Incentive Plan***

The Company's 2017 Employee, Director and Consultant Equity Incentive Plan, as amended (the "2017 Plan"), provides for the Company to grant qualified incentive options, nonqualified options, stock grants and other stock-based awards to employees and non-employees to purchase the Company's common stock. The 2017 Plan is administered by the board of directors, or at the discretion of the board of directors, by a committee of the board of directors.

The total number of shares of common stock that may be issued under the 2017 Plan was 1,000,000 shares as of December 31, 2017. The total number of shares of common stock that may be issued under the 2017 Plan was 5,413,708 as of December 31, 2018 and 7,006,573 as of September 30, 2019 (unaudited), of which 4,714,278 and 1,460,392 shares remained available for future grant as of December 31, 2018 and September 30, 2019 (unaudited), respectively.

The exercise price for incentive options is determined at the discretion of the board of directors. All incentive options granted to any person possessing less than 10% of the total combined voting power of all classes of stock may not have an exercise price of less than 100% of the fair market value of the common stock on the grant date. All incentive options granted to any person possessing more than 10% of the total combined voting power of all classes of stock may not have an exercise price of less than 110% of the fair market value of the common stock on the grant date. The option term for incentive awards may not be greater than ten years from the date of the grant. Incentive options granted to persons possessing more than 10% of the total combined voting power of all classes of stock may not have an option term of greater than five years from the date of the grant. The vesting period for equity-based awards is determined at the discretion of the board of directors, which is generally four years. For awards granted to employees and non-employees with four-year vesting terms, 25% of the option vests on the first anniversary of the grant date and the remaining stock vest equally each month for three years thereafter.

Shares that are expired, terminated, surrendered or canceled under the 2017 Plan without having been fully exercised will be available for future awards.

During the years ended December 31, 2017 and 2018 and the nine months ended September 30, 2018 and 2019 (unaudited), the Company granted options to purchase 10,000, 73,970, 73,970 and 4,093,851 shares of common stock, respectively, to employees. The Company recorded stock-based compensation expense for options granted to employees of \$0, \$1, \$0 and \$234 during the years ended December 31, 2017 and 2018 and the nine months ended September 30, 2018 and 2019 (unaudited), respectively.

During the years ended December 31, 2017 and 2018 and the nine months ended September 30, 2018 and 2019 (unaudited), the Company granted options to purchase 10,000, 50,000, 50,000 and 612,900 shares of common

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stock, respectively, to non-employees. The Company recorded stock-based compensation expense for options granted to non-employees of \$0, \$9, \$8 and \$350 during the years ended December 31, 2017 and 2018 and the nine months ended September 30, 2018 and 2019 (unaudited), respectively.

**Option valuation**

The assumptions that the Company used to determine the grant-date fair value of options granted to employees and directors were as follows, presented on a weighted-average basis:

	<b>Year ended December 31,</b>		<b>Nine months ended September 30,</b>	
	<b>2017</b>	<b>2018</b>	<b>2018</b>	<b>2019</b>
				<b>(unaudited)</b>
Risk-free interest rate	2.40%	2.87%	2.87%	1.63%
Expected term (in years)	6.1	6.1	6.1	6.1
Expected volatility	63.4%	58.4%	58.4%	63.4%
Expected dividend yield	0%	0%	0%	0%

The assumptions that the Company used to determine the fair value of options granted to non-employees were as follows, presented on a weighted-average basis:

	<b>Year ended December 31,</b>		<b>Nine months ended September 30,</b>	
	<b>2017</b>	<b>2018</b>	<b>2018</b>	<b>2019</b>
				<b>(unaudited)</b>
Risk-free interest rate	2.40%	2.87%	2.87%	1.58%
Expected term (in years)	9.2	9.7	9.7	5.7
Expected volatility	63.4%	58.4%	58.4%	62.8%
Expected dividend yield	0%	0%	0%	0%

**Options**

Through September 30, 2019, all options granted by the Company under the 2017 Plan were for the purchase of shares of common stock. The following table summarizes option activity under the 2017 Plan since December 31, 2016 (in thousands, except share and per share amounts):

	Number of stock options	Weighted average exercise price	Weighted average remaining contractual term  (in years)	Aggregate intrinsic value
<b>Balance at December 31, 2016</b>	—	—	—	\$ —
Options granted	20,000	\$ 0.10		
<b>Balance at December 31, 2017</b>	20,000	\$ 0.10	9.2	\$ 2
Options granted	123,970	\$ 0.24		
<b>Balance at December 31, 2018</b>	143,970	\$ 0.22	9.5	\$ 121
Options granted	4,706,751	\$ 2.28		
<b>Balance at September 30, 2019 (unaudited)</b>	4,850,721	\$ 2.22	9.8	\$ 6,718
Options vested and expected to vest at December 31, 2018	143,970	\$ 0.22	9.5	\$ 121
Options vested and expected to vest at September 30, 2019 (unaudited)	4,850,721	\$ 2.22	9.8	\$ 6,718
Options exercisable at December 31, 2018	58,750	\$ 0.22	9.5	\$ 49
Options exercisable at September 30, 2019 (unaudited)	277,116	\$ 1.74	9.5	\$ 515

The aggregate intrinsic value of options is calculated as the difference between the exercise price of the options and the fair value of the Company's common stock for those options that had exercise prices lower than the fair value of the Company's common stock.

The weighted-average grant-date fair value per share of options granted during the years ended December 31, 2017 and 2018 and the nine months ended September 30, 2019 (unaudited) was \$0.06, \$0.13 and \$1.38, respectively.

The total fair value of options vested during the years ended December 31, 2017 and 2018 and the nine months ended September 30, 2018 and 2019 (unaudited) was \$0, \$7, \$6 and \$274, respectively.

**Restricted stock**

Under terms of the restricted stock agreements covering the common stock, shares of restricted common stock are subject to a vesting schedule. The restricted stock vests over a three-year period during which time all unvested stock will immediately be forfeited to the Company if the relationship between the recipient and the Company ceases. Subject to the continued employment (or other engagement of the recipient by the Company as described in the restricted stock agreements), all shares of restricted common stock become fully vested within three years of the vesting commencement date.

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The following table summarizes restricted stock activity since December 31, 2016:

	Number of shares	Weighted average grant date fair value
<b>Unvested restricted common stock as of December 31, 2016</b>	—	—
Granted	276,500	\$ 0.10
<b>Unvested restricted common stock as of December 31, 2017</b>	276,500	\$ 0.10
Granted	278,960	\$ 0.24
Vested	(155,421)	\$ 0.10
<b>Unvested restricted common stock as of December 31, 2018</b>	400,039	\$ 0.17
Granted	140,000	\$ 1.06
Vested	(161,536)	\$ 0.14
<b>Unvested restricted common stock as of September 30, 2019 (unaudited)</b>	378,503	\$ 0.54

The aggregate fair value of restricted stock that vested during the years ended December 31, 2017 and 2018 and the nine months ended September 30, 2018 and 2019 (unaudited) was \$0, \$40, \$28 and \$444, respectively.

The Company recorded stock-based compensation expense for restricted stock of \$6, \$53, \$16 and \$549, during the years ended December 31, 2017 and 2018 and the nine months ended September 30, 2018 and 2019 (unaudited), respectively.

#### **Stock-based compensation expense**

The Company recorded stock-based compensation expense in the following expense categories of its consolidated statements of operations (in thousands):

	Fiscal year ended December 31,		Nine months ended September 30,	
	2017	2018	2018	2019 (unaudited)
Research and development	\$ 6	\$ 62	\$ 24	\$ 984
General and administrative	—	1	—	149
<b>Total stock-based compensation expense</b>	<b>\$ 6</b>	<b>\$ 63</b>	<b>\$ 24</b>	<b>\$ 1,133</b>

For options granted in June 2019, the board of directors determined that the fair value of the Company's common stock was \$1.06 per share as of the grant date. However, the fair value of the Company's common stock at the date of the grant was adjusted to \$1.37 per share in connection with a retrospective fair value assessment solely for accounting purposes. Accordingly, stock-based compensation recorded during the nine months ended September 30, 2019 (unaudited) was based on the adjusted fair value for the options granted in June 2019.

As of December 31, 2018 and September 30, 2019 (unaudited), total unrecognized compensation cost related to the unvested stock-based awards was \$335 and \$7,296, respectively, which is expected to be recognized over a weighted average period of 3.3 and 3.6 years, respectively.

## **10. Income taxes**

For the years ended December 31, 2017 and 2018 and the nine months ended September 30, 2018 and 2019 (unaudited), the Company recorded no income tax benefit for the net operating losses incurred in each year, due to its uncertainty of realizing a benefit from those items.

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A reconciliation of income taxes computed using United States statutory federal tax rate to that reflected in operations as of December 31, 2017 and 2018 are as follows:

	Tax year ended December 31,	
	2017	2018
U.S. federal statutory income tax rate	34.0%	21.0%
State and local taxes, net of federal benefit	3.7%	5.1%
Permanent differences	(4.8)%	0.0%
Nondeductible expenses	0.0%	0.0%
Research and development credits	2.5%	3.7%
Tax rate change and true-up	(12.3)%	0.0%
Change in valuation allowance	(23.4)%	(29.8)%
Effective income tax rate	0.0%	0.0%

The tax effects of temporary differences that gave rise to significant portions of the deferred tax assets were as follows (in thousands):

	Tax year ended December 31,	
	2017	2018
Deferred tax assets:		
Net operating loss carryforwards	\$ 668	\$ 2,904
Research and development tax credits	124	459
Accrual to cash adjustment	566	657
Net fixed assets	(13)	(10)
Gross deferred tax assets	1,345	4,010
Less: valuation allowance	(1,345)	(4,010)
Net deferred taxes	\$ —	\$ —

As of December 31, 2018, the Company had federal net operating loss carryforwards of \$2,557 that are subject to expire at various dates through 2037, and net operating loss carryforwards of \$8,535, which have no expiration date, can be carried forward indefinitely, and are limited to a deduction to 80% of annual taxable income. The Company has state tax net operating loss carryforwards of approximately \$11,088, which may be available to offset future income tax liabilities and expire at various dates through 2038. The Company also has net operating loss carryforwards in Canada of \$19 that are set to expire in 2038. Additionally, the Company has federal research and development tax credit carryforwards of \$459 that expire at various dates through 2038.

In assessing the realizability of the net deferred tax asset, the Company considers all relevant positive and negative evidence in determining whether it is more likely than not that some portion or all of the deferred income tax assets will not be realized. The realization of the gross deferred tax assets is dependent on several factors, including the generation of sufficient taxable income prior to the expiration of the net operating loss carryforwards. Management believes that it is more likely than not that the Company's deferred income tax assets will not be realized. As such, there is a full valuation allowance against the net deferred tax assets as of December 31, 2017 and 2018 and September 30, 2019 (unaudited). The valuation allowance increased by \$1,345 during the year ended December 31, 2017 and \$2,665 during the year ended December 31, 2018 primarily as a result of net operating losses generated during the periods. The Company reevaluates the positive and negative evidence at each reporting period. The valuation allowance increased by \$6,643 during the nine months ended September 30, 2019 (unaudited) primarily as a result of net operating losses generated during the period.



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Utilization of the net operating loss carryforwards and research and development tax credit carryforwards may be subject to an annual limitation under Section 382 of the Internal Revenue Code of 1986, and corresponding provisions of state law, due to ownership changes that have occurred previously or that could occur in the future. These ownership changes may limit the amount of carryforwards that can be utilized annually to offset future taxable income. In general, an ownership change, as defined by Section 382, results from transactions increasing the ownership of certain shareholders or public groups in the stock of a corporation by more than 50% over a three-year period. The Company has not conducted a study to assess whether a change of control has occurred or whether there have been multiple changes of control since inception due to the significant complexity and cost associated with such a study. If the Company has experienced a change of control, as defined by Section 382, at any time since inception, utilization of the net operating loss carryforwards or research and development tax credit carryforwards would be subject to an annual limitation under Section 382, which is determined by first multiplying the value of the Company's stock at the time of the ownership change by the applicable long-term tax-exempt rate, and then could be subject to additional adjustments, as required. Any limitation may result in expiration of a portion of the net operating loss carryforwards or research and development tax credit carryforwards before utilization. Further, until a study is completed and any limitation is known, no amounts are being presented as an uncertain tax position.

The Company also has not conducted a study of its research and development credit carryforwards, which may result in an adjustment to research and development credit carryforwards. A full valuation allowance has been provided against the Company's research and development credits and, if an adjustment is required, this adjustment would be offset by an adjustment to the valuation allowance. Thus, there would be no impact to the balance sheets or statements of operations if an adjustment were required. Further, until a study is completed and any limitation is known, no amounts are being presented as an uncertain tax position.

The Company applies the accounting guidance in ASC 740 related to accounting for uncertainty in income taxes. The Company's reserves related to taxes are based on a determination of whether, and how much of, a tax benefit taken by the Company in its tax filings or positions is more likely than not to be realized following resolution of any potential contingencies present related to the tax benefit. As of December 31, 2017 and 2018 and September 30, 2019 (unaudited), the Company had no unrecognized tax benefits.

The Company will recognize interest and penalties related to uncertain tax positions in income tax expense. As of December 31, 2018 and September 30, 2019 (unaudited), the Company had no accrued interest or penalties related to uncertain tax positions.

In December 2017, the SEC staff issued Staff Accounting Bulletin No. 118, Income Tax Accounting Implementation of the Tax Cuts and Jobs Act (SAB No. 118), which allowed the Company to record provisional amounts during a measurement period not to extend beyond one year of the enactment date. The Company's provisional estimate associated with the reduction in U.S. federal corporate tax rate from 35% to 21% impacted the changes in the valuation allowance and change in tax rate component of the Company's effective tax rate reconciliation as well as its ending deferred tax assets and valuation allowance in the deferred tax footnote disclosure. In the fourth quarter of 2018, the Company completed our analysis to determine the effect of the Tax Act and recorded no adjustments.

The Company files tax returns as prescribed by the tax laws of the jurisdictions in which it operates. In the normal course of business, the Company is subject to examination by federal and state jurisdictions, where applicable. There are currently no pending tax examinations. As of December 31, 2018 and 2017, the Company's tax years are still open under statute from 2016 to the present.

## 11. Net loss per share and unaudited pro forma net loss per share

### Net loss per share

The following table summarizes the computation of basic and diluted net loss per share attributable to common stockholders of the Company (in thousands, except share and per share amounts):

	Year ended December 31,		Nine months ended September 30,	
	2017	2018	2018	2019 (unaudited)
Net loss attributable to common stockholders	\$ (4,602)	\$ (8,931)	\$ (5,865)	\$ (25,383)
Weighted average common shares outstanding—basic and diluted	5,802,740	6,089,819	6,069,399	6,194,913
Net loss per share attributable to common stockholders—basic and diluted	\$ (0.79)	\$ (1.47)	\$ (0.97)	\$ (4.10)

The Company's unvested restricted common shares have been excluded from the computation of basic net loss per share attributable to common stockholders.

The Company's potentially dilutive securities, which include options, unvested restricted stock, convertible preferred stock and warrants to purchase convertible preferred stock, have been excluded from the computation of diluted net loss per share attributable to common stockholders as the effect would be to reduce the net loss per share attributable to common stockholders. Therefore, the weighted average number of common shares outstanding used to calculate both basic and diluted net loss per share attributable to common stockholders is the same. The Company excluded the following potential common shares, presented based on amounts outstanding at each period end, from the computation of diluted net loss per share attributable to common stockholders for the periods indicated because including them would have had an anti-dilutive effect:

	Year ended December 31,		Nine months ended September 30,	
	2017	2018	2018	2019 (unaudited)
Options to purchase common stock	20,000	143,970	143,970	4,850,721
Unvested restricted stock	276,500	400,039	400,039	378,503
Preferred stock (as converted to common stock)	12,501,503	33,668,075	17,501,503	45,419,229
Warrants to purchase shares of series A preferred stock (as converted to common stock)	32,442	32,442	32,442	32,442
	12,830,445	34,244,526	18,077,954	50,680,895

### Unaudited pro forma net loss per share attributable to common stockholders

The unaudited pro forma basic and diluted net loss per share attributable to common stockholders for the year ended December 31, 2018 and the nine months ended September 30, 2019 have been prepared to give effect to adjustments arising upon the completion of the proposed offering. The unaudited pro forma net loss attributable to common stockholders used in the calculation of unaudited pro forma basic and diluted net loss per share attributable to common stockholders does not include the effects of the warrant liability because the calculation gives effect, upon the proposed offering, to (i) the conversion of shares of preferred stock into shares of common stock and (ii) the warrants to purchase shares of series A preferred stock becoming warrants to purchase shares of common stock as if the proposed offering had occurred on the later of January 1, 2018 or the issuance date of the preferred stock and the warrants to purchase shares of series A preferred stock.

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Unaudited pro forma basic and diluted net loss per share attributable to common stockholders was calculated as follows (in thousands, except share and per share amounts):

	Year ended December 31, 2018	Nine months ended September 30, 2019
Numerator:		
Net loss attributable to common stockholders	\$ (8,931)	\$ (25,383)
Reversal of the change in fair value of the warrant liability due to the warrants to purchase shares of series A preferred stock becoming warrants to purchase shares of common stock upon completion of the proposed initial public offering	15	6,416
Pro forma net loss attributable to common stockholders	<u>\$ (8,916)</u>	<u>\$ (18,967)</u>
Denominator:		
Weighted average common shares outstanding—basic and diluted	6,089,819	6,194,913
Pro forma adjustment to reflect assumed conversion of preferred stock to common stock upon completion of the proposed initial public offering	15,611,545	45,419,229
Pro forma weighted average common shares outstanding—basic and diluted	<u>21,701,364</u>	<u>51,614,142</u>
Net loss per share attributable to common stockholders— basic and diluted	<u>\$ (0.41)</u>	<u>\$ (0.37)</u>

## 12. Commitments and contingencies

### *Lease agreements*

The Company leases approximately 1,000 square feet of laboratory space and 500 square feet of office space at 25 Health Sciences Drive, Stony Brook, NY 11790 and the lease for this location expires on December 31, 2019. The Company classifies the lease as an operating lease and records rent expense on a straight-line basis over the term of the lease. The Company recorded rent expense of \$26 and \$36 during the years ended December 31, 2017 and 2018, respectively. As of December 31, 2018, future minimum lease payments under non-cancelable operating lease commitments, which are all due during the year ended December 31, 2019, totaled \$51.

### *Indemnification agreements*

In the ordinary course of business, the Company may provide indemnification of varying scope and terms to vendors, lessors, business partners and other parties with respect to certain matters including, but not limited to, losses arising out of breach of such agreements or from intellectual property infringement claims made by third parties. In addition, the Company has entered into indemnification agreements with members of its board of directors and executive officers that will require the Company, among other things, to indemnify them against certain liabilities that may arise by reason of their status or service as directors or officers. The maximum potential amount of future payments the Company could be required to make under these indemnification agreements is, in many cases, unlimited. To date, the Company has not incurred any material costs as a result of such indemnifications. The Company is not aware of any indemnification arrangements could have a material effect on its financial position, results of operations or cash flows, and it has not accrued any liabilities related to such obligations in its consolidated financial statements as of December 31, 2017 or 2018.

### ***Legal proceedings***

From time to time, the Company may become involved in legal proceedings arising in the ordinary course of business. As of December 31, 2017 and 2018, the Company was not a party to any material legal matters or claims.

### **13. Benefit plans**

In 2018 the Company established a Simplified Employee Pension (“SEP”) defined-contribution savings plan. This plan covers substantially all employees who meet minimum age and service requirements. The Company provides contributions of 6% of each participant’s salary. Employees are immediately and fully vested in the Company’s contribution. During the year ended December 31, 2018 and the nine months ended September 30, 2019 (unaudited), the Company contributed \$20 and \$13 to the plan, respectively.

### **14. Related party transactions**

The Company is party to a services agreement, which was entered into in March 2017 and amended in November 2017, with Ridgeline, an entity owned by one of its investors, whereby an individual who is a Company director and executive officer and other employees of Ridgeline provide the Company with management, scientific, business development and other operational services. The agreement is effective until either party elects to terminate. Under the services agreement the Company will pay for services based on the costs incurred plus a markup of ten percent (10%) and reimburse for certain pass-through costs. The services agreement was further amended in December 2018. Subsequent to this amendment, in connection with the services provided, the Company pays Ridgeline \$950 per month, which is reconciled on a quarterly basis with the actual expenses incurred by Ridgeline on its behalf. Total amounts due to related party were \$1,920 and \$1,707, as of December 31, 2017 and 2018 and \$1,254 as of September 30, 2019 (unaudited). Total service fees incurred were \$1,390 and \$2,728, for the years ended December 31, 2017 and 2018 and \$8,854 for the nine months ended September 30, 2019 (unaudited).

### **15. Subsequent events**

For its consolidated financial statements as of December 31, 2018 and for the year then ended, the Company evaluated subsequent events through August 22, 2019, the date on which those financial statements were issued.

#### *Lease agreements*

In February 2019, the Company entered into an agreement to lease approximately 2,357 square feet of office space for its principal office, which is located in Cambridge, MA. The lease expires on April 30, 2022, subject to an option to extend the lease for three additional years.

Also in February 2019, the Company entered into a lease agreement to use laboratory and office facilities in New York, NY. The lease expires on February 11, 2020, however, the Company may terminate the lease upon a 30-day notice.

In March 2019, the Company entered into a lease agreement to occupy a portion of a building in Toronto, Ontario for the purposes of conducting laboratory research, business planning and related activities. The lease expires on April 5, 2020.

Future minimum rental payments related to these leases total \$239, \$268, \$231 and \$58 for the years ending 2019, 2020, 2021 and 2022, respectively.

*Series B preferred stock financing*

On July 8, 2019, the Company issued an additional 584,582 shares of its series B preferred stock for gross proceeds of \$2,224. In addition, on August 9, 2019, the Company waived the clinical milestone requirement and exercised the tranche right for the second tranche of its series B preferred stock and issued an additional 11,166,572 shares of its series B preferred stock at a price of \$3.81 for gross proceeds of \$42,500.

*Grant of stock options and restricted stock*

On March 4, 2019, June 12, 2019, August 8, 2019 and August 14, 2019, the Company granted performance-based options for the purchase of 103,199, 1,271,839, 117,200 and 1,745,870 shares of common stock, respectively, at exercise prices of \$1.06, \$1.06, \$2.13 and \$2.13 per share, respectively, to employees and non-employees as compensation for future services to the Company. The options vest over a term of four years. Additionally on March 4, 2019, the Company granted an aggregate of 140,000 shares of restricted common stock, at a purchase price of \$1.06 per share, to non-employees. The restricted common stock vests over a term of two years.

**16. Subsequent events (unaudited)**

For its consolidated financial statements as of September 30, 2019 and for the nine months then ended, the Company evaluated subsequent events through October 30, 2019, the date on which those financial statements were issued, and determined that there are no additional material subsequent events to report.

In connection with the re-issuance of the financial statements, the Company has evaluated subsequent events through December 13, 2019, the date the financial statements were available to be re-issued and identified the following subsequent event:

*Lease Agreements*

In December 2019, the Company renewed the lease agreement at 25 Health Sciences Drive, Stony Brook, NY 11790 and increased the laboratory space from 1,000 to 1,500 square feet. The lease expires on December 31, 2020.

**shares**



***Common stock***

## **Prospectus**

**J.P. Morgan**

**Jefferies**

**Cowen**

**Canaccord Genuity**

Until \_\_\_\_\_, 2020 all dealers that effect transactions in these securities, whether or not participating in this offering, may be required to deliver a prospectus. This is in addition to the dealers' obligation to deliver a prospectus when acting as underwriters and with respect to their unsold allotments or subscriptions.

\_\_\_\_\_, 2020

## Part II

### Information not required in prospectus

#### Item 13. Other expenses of issuance and distribution

The following table sets forth the costs and expenses, other than underwriting discounts and commissions, to be paid by us in connection with the sale of the shares of common stock being registered hereby. All amounts shown are estimates except for the SEC registration fee, the FINRA filing fee and the Nasdaq Global Market initial listing fee.

SEC registration fee	\$ 12,980
FINRA filing fee	15,500
Nasdaq listing fee	*
Printing and engraving expenses	*
Legal fees and expenses	*
Accounting fees and expenses	*
Blue Sky fees and expenses (including legal fees)	*
Transfer agent and registrar fees and expenses	*
Miscellaneous	*
<b>Total</b>	<b>*</b>

\* To be provided by amendment.

#### Item 14. Indemnification of directors and officers

Section 145 of the Delaware General Corporation Law (the DGCL) authorizes a corporation to indemnify its directors and officers against liabilities arising out of actions, suits and proceedings to which they are made or threatened to be made a party by reason of the fact that they have served or are currently serving as a director or officer to a corporation. The indemnity may cover expenses (including attorneys' fees) judgments, fines and amounts paid in settlement actually and reasonably incurred by the director or officer in connection with any such action, suit or proceeding. Section 145 permits corporations to pay expenses (including attorneys' fees) incurred by directors and officers in advance of the final disposition of such action, suit or proceeding. In addition, Section 145 provides that a corporation has the power to purchase and maintain insurance on behalf of its directors and officers against any liability asserted against them and incurred by them in their capacity as a director or officer, or arising out of their status as such, whether or not the corporation would have the power to indemnify the director or officer against such liability under Section 145.

We have adopted provisions in our certificate of incorporation and bylaws to be in effect upon the closing of this offering that limit or eliminate the personal liability of our directors to the fullest extent permitted by the DGCL, as it now exists or may in the future be amended. Consequently, a director will not be personally liable to us or our stockholders for monetary damages or breach of fiduciary duty as a director, except for liability for:

- any breach of the director's duty of loyalty to us or our stockholders;
- any act or omission not in good faith or that involves intentional misconduct or a knowing violation of law;
- any unlawful payments related to dividends or unlawful stock purchases, redemptions or other distributions; or
- any transaction from which the director derived an improper personal benefit.

These limitations of liability do not alter director liability under the federal securities laws and do not affect the availability of equitable remedies such as an injunction or rescission.

In addition, our bylaws provide that:

- we will indemnify our directors, officers and, in the discretion of our board of directors, certain employees to the fullest extent permitted by the DGCL, as it now exists or may in the future be amended; and
- we will advance reasonable expenses, including attorneys' fees, to our directors and, in the discretion of our board of directors, to our officers and certain employees, in connection with legal proceedings relating to their service for or on behalf of us, subject to limited exceptions.

We intend to enter into indemnification agreements with each of our directors and executive officers. These agreements provide that we will indemnify each of our directors, certain of our executive officers and, at times, their affiliates to the fullest extent permitted by Delaware law. We will advance expenses, including attorneys' fees (but excluding judgments, fines and settlement amounts), to each indemnified director or executive officer in connection with any proceeding in which indemnification is available and we will indemnify our directors and officers for any action or proceeding arising out of that person's services as a director or officer brought on behalf of us or in furtherance of our rights. Additionally, certain of our directors or officers may have certain rights to indemnification, advancement of expenses or insurance provided by their affiliates or other third parties, which indemnification relates to and might apply to the same proceedings arising out of such director's or officer's services as a director referenced herein. Nonetheless, we have agreed in the indemnification agreements that our obligations to those same directors or officers are primary and any obligation of such affiliates or other third parties to advance expenses or to provide indemnification for the expenses or liabilities incurred by those directors are secondary.

We also maintain general liability insurance which covers certain liabilities of our directors and officers arising out of claims based on acts or omissions in their capacities as directors or officers, including liabilities under the Securities Act of 1933, as amended (the Securities Act).

The underwriting agreement filed as Exhibit 1.1 to this registration statement provides for indemnification of us and our directors and officers by the underwriters against certain liabilities under the Securities Act and the Securities Exchange Act of 1934.

## **Item 15. Recent sales of unregistered securities**

On March 13, 2017, we effected a 2.45818-for-1 stock split (the "Stock Split") of our issued and outstanding and authorized common stock. All per share amounts and number of shares of common stock in this Item 15 reflect the Stock Split. In the three years preceding the filing of this registration statement, we have issued the following securities that were not registered under the Securities Act:

### ***(a) Founder Capital Stock***

In September 2016 and February 2017 we issued an aggregate of 5,000,000 shares of our common stock to our founders.

No underwriters were involved in the foregoing sales of securities. The sales of securities described above were deemed to be exempt from registration pursuant to Section 4(a)(2) of the Securities Act, including Regulation D and Rule 506 promulgated thereunder, as transactions by an issuer not involving a public offering. All of the purchasers in these transactions represented to us in connection with their purchase that they were acquiring the securities for investment and not distribution, that they could bear the risks of the investment and could



hold the securities for an indefinite period of time. Such purchasers received written disclosures that the securities had not been registered under the Securities Act and that any resale must be made pursuant to a registration or an available exemption from such registration. All of the foregoing securities are deemed restricted securities for the purposes of the Securities Act.

***(b) Issuances of Capital Stock***

In March 2017 we issued and sold an aggregate of 1,000,000 shares of our common stock at a purchase price of \$0.10 per share, for an aggregate purchase price of \$100,000 to Versant Venture Capital VI, L.P.

In March 2017, with subsequent offerings in December 2017, August 2018 and November 2018, investors purchased an aggregate of 20,000,000 shares of our Series A preferred stock at \$1.00 per share. In connection with the issuance of our Series A preferred stock, all of our outstanding convertible promissory notes issued in 2014, 2015 and 2016 were automatically converted into 2,501,503 shares of our Series A preferred stock.

In December 2018, with subsequent offerings in July 2019 and August 2019, investors purchased an aggregate of 22,917,726 shares of Series B preferred stock at \$3.806 per share.

In November 2019, investors purchased an aggregate of 19,420,124 shares of Series C preferred stock at \$4.3769 per share.

No underwriters were involved in the foregoing sales of securities. The sales of securities described above were deemed to be exempt from registration pursuant to Section 4(a)(2) of the Securities Act, including Regulation D and Rule 506 promulgated thereunder, as transactions by an issuer not involving a public offering. All of the purchasers in these transactions represented to us in connection with their purchase that they were acquiring the securities for investment and not distribution, that they could bear the risks of the investment and could hold the securities for an indefinite period of time. Such purchasers received written disclosures that the securities had not been registered under the Securities Act and that any resale must be made pursuant to a registration or an available exemption from such registration. All of the foregoing securities are deemed restricted securities for the purposes of the Securities Act.

***(c) Grants and Exercises of Stock Options and Restricted Stock***

We have granted stock options to purchase an aggregate of 7,173,111 shares of our common stock, with exercise prices ranging from \$0.10 to \$3.60 per share, to employees, directors and consultants pursuant to the 2017 Employee, Director and Consultant Equity Incentive Plan, as amended (the 2017 Plan). Through the date of filing, no shares of common stock have been issued upon the exercise of stock options pursuant to the 2017 Plan. Between December 2017 through the filing, we granted an aggregate of 745,460 shares of restricted stock under the 2017 Plan.

The issuances of the securities described above were deemed to be exempt from registration pursuant to Section 4(a)(2) of the Securities Act or Rule 701 promulgated under the Securities Act as transactions pursuant to compensatory benefit plans. The shares of common stock issued upon the exercise of options are deemed to be restricted securities for purposes of the Securities Act.

***(d) Issuances of Warrants and Non-Plan Stock Options***

In September 2016 we granted a warrant to purchase an aggregate of 32,442 shares of our Series A preferred stock, with an exercise price of \$1.00 per share, to consultants, which grants were not made pursuant to a benefits plan.

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No underwriters were involved in the foregoing sales of securities. The sales of securities described above were deemed to be exempt from registration pursuant to Section 4(a)(2) of the Securities Act, including Regulation D and Rule 506 promulgated thereunder, as transactions by an issuer not involving a public offering. All of the purchasers in these transactions represented to us in connection with their purchase that they were acquiring the securities for investment and not distribution, that they could bear the risks of the investment and could hold the securities for an indefinite period of time. Such purchasers received written disclosures that the securities had not been registered under the Securities Act and that any resale must be made pursuant to a registration or an available exemption from such registration. All of the foregoing securities are deemed restricted securities for the purposes of the Securities Act.

### Item 16. Exhibits and financial statement schedules

(a) Exhibits.

<b>Exhibit number</b>	<b>Exhibit table</b>
1.1*	Form of Underwriting Agreement
3.1	<a href="#">Third Amended and Restated Certificate of Incorporation of the Registrant, as currently in effect</a>
3.2*	Certificate of Amendment of Third Amended and Restated Certificate of Incorporation of the Registrant
3.3	<a href="#">Form of Fourth Amended and Restated Certificate of Incorporation of the Registrant (to be effective upon the closing of this offering)</a>
3.4	<a href="#">By-laws of the Registrant, as currently in effect</a>
3.5	<a href="#">Form of Amended and Restated By-laws (to be effective upon the closing of this offering)</a>
4.1	<a href="#">Amended and Restated Investors' Rights Agreement among the Registrant and certain of its stockholders, dated November 25, 2019</a>
4.2	<a href="#">Form of Specimen Common Stock Certificate</a>
4.3	<a href="#">Warrant to Purchase Stock, dated September 21, 2016, issued by the Registrant to Roche Finance Ltd</a>
5.1*	Opinion of Goodwin Procter LLP
10.1#	<a href="#">2017 Employee, Director and Consultant Equity Incentive Plan, as amended and restated, and forms of award agreements thereunder</a>
10.2##	2020 Stock Option and Incentive Plan and forms of award agreements thereunder
10.3#	<a href="#">Senior Executive Cash Incentive Bonus Plan</a>
10.4##	2020 Employee Stock Purchase Plan
10.5#	<a href="#">Form of Officer Indemnification Agreement</a>
10.6#	<a href="#">Form of Director Indemnification Agreement</a>
10.7#	<a href="#">Employment Agreement between the Registrant and David M. Epstein, Ph.D., to be in effect upon the closing of this offering</a>
10.8#	<a href="#">Employment Agreement between the Registrant and Brent Hatzis-Schoch, to be in effect upon the closing of this offering</a>
10.9#	<a href="#">Employment Agreement between the Registrant and Thomas Leggett, to be in effect upon the closing of this offering</a>

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<b>Exhibit number</b>	<b>Exhibit table</b>
10.10#	<a href="#">Employment Agreement between the Registrant and Christopher D. Roberts, to be in effect upon the closing of this offering</a>
10.11	<a href="#">Lease Agreement, dated as of March 27, 2019, by and between MIT 139 Main Street Leasehold LLC and the Registrant</a>
10.12†	<a href="#">Services Agreement, dated as of March 15, 2017, by and between Ridgeline Therapeutics GmbH and the Registrant, as amended</a>
16.1	<a href="#">Letter of Adeptus Partners, LLC, Independent Public Accountants</a>
21.1	<a href="#">Subsidiaries of the Registrant</a>
23.1	<a href="#">Consent of PricewaterhouseCoopers LLP, Independent Registered Public Accounting Firm</a>
23.2*	Consent of Goodwin Procter LLP (included in Exhibit 5.1)
24.1	<a href="#">Power of Attorney (included on signature page to this registration statement)</a>

\* To be filed by amendment.

# Indicates a management contract or any compensatory plan, contract or arrangement.

† Portions of this exhibit (indicated by asterisks) will be omitted in accordance with the rules of the Securities and Exchange Commission.

(b) Financial Statement Schedules.

None.

## Item 17. Undertakings

The undersigned Registrant hereby undertakes to provide to the underwriters at the closing specified in the Underwriting Agreement certificates in such denominations and registered in such names as required by the underwriters to permit prompt delivery to each purchaser.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

The undersigned Registrant hereby undertakes that:

(1) For purposes of determining any liability under the Securities Act, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the Registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective.

(2) For the purpose of determining any liability under the Securities Act, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

## Signatures

Pursuant to the requirements of the Securities Act of 1933, as amended, Black Diamond Therapeutics, Inc. has duly caused this registration statement on Form S-1 to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Cambridge, State of Massachusetts, on the 3rd day of January, 2020.

**Black Diamond Therapeutics, Inc.**

By: /s/ David M. Epstein

David M. Epstein  
President and Chief Executive Officer

## Signatures and power of attorney

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints David M. Epstein and Brent Hatzis-Schoch, and each of them, either of whom may act without the joinder of the other, as his true and lawful attorneys-in-fact and agents with full power of substitution and re-substitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement, and to sign any registration statement for the same offering covered by the registration statement that is to be effective upon filing pursuant to Rule 462(b) promulgated under the Securities Act, and all post-effective amendments thereto, and to file the same, with all exhibits thereto and all documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them, or his or their substitute or substitutes, may lawfully do or cause to be done or by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, as amended this registration statement has been signed by the following persons in the capacities indicated on the 3rd day of January, 2020.

<b>Signature</b>	<b>Title</b>
<u>/s/ David M. Epstein</u> David M. Epstein	President, Chief Executive Officer and Director (Principal Executive Officer)
<u>/s/ Thomas Leggett</u> Thomas Leggett	Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer)
<u>/s/ Bradley Bolzon</u> Bradley Bolzon	Chairman and Director
<u>/s/ Ali Behbahani</u> Ali Behbahani	Director
<u>/s/ Samarth Kulkarni</u> Samarth Kulkarni	Director
<u>/s/ Alexander Mayweg</u> Alexander Mayweg	Director
<u>/s/ Garry E. Menzel</u> Garry E. Menzel	Director
<u>/s/ Rajeev Shah</u> Rajeev Shah	Director

THIRD AMENDED AND RESTATED  
CERTIFICATE OF INCORPORATION  
OF  
BLACK DIAMOND THERAPEUTICS, INC.

(Pursuant to Sections 242 and 245 of the  
General Corporation Law of the State of Delaware)

Black Diamond Therapeutics, Inc., a corporation organized and existing under and by virtue of the provisions of the General Corporation Law of the State of Delaware (the “**General Corporation Law**”),

**DOES HEREBY CERTIFY:**

1. That the name of this corporation is Black Diamond Therapeutics, Inc., and that this corporation was originally incorporated pursuant to the General Corporation Law on September 20, 2016, under the name ASET Therapeutics, Inc. The Corporation filed a Second Amended and Restated Certificate of Incorporation on December 20, 2018. The corporation filed a Certificate of Amendment on July 8, 2019.

2. That the Board of Directors of the corporation (the “**Board**”) duly adopted resolutions proposing to amend and restate the Certificate of Incorporation of this corporation, declaring said amendment and restatement to be advisable and in the best interests of this corporation and its stockholders, and authorizing the appropriate officers of this corporation to solicit the consent of the stockholders therefor, which resolution setting forth the proposed amendment and restatement is as follows:

**RESOLVED**, that the Certificate of Incorporation of this corporation be amended and restated in its entirety to read as follows:

**FIRST:** The name of this corporation is Black Diamond Therapeutics, Inc. (the “**Corporation**”).

**SECOND:** The address of the registered office of the Corporation in the State of Delaware is 850 New Burton Road, Suite 201, Dover, Delaware 19904, Kent County. The name of its registered agent at such address is Cogency Global Inc.

**THIRD:** The nature of the business or purposes to be conducted or promoted is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law.

**FOURTH:** The total number of shares of all classes of stock which the Corporation shall have authority to issue is (i) 80,000,000 shares of Common Stock, \$0.0001 par value per share (“**Common Stock**”) and (ii) 64,871,795 shares of Preferred Stock, \$0.0001 par value per share (“**Preferred Stock**”).

The following is a statement of the designations and the powers, privileges and rights, and the qualifications, limitations or restrictions thereof in respect of each class of capital stock of the Corporation.

#### A. COMMON STOCK

1. General. The voting, dividend and liquidation rights of the holders of the Common Stock are subject to and qualified by the rights, powers and preferences of the holders of the Preferred Stock set forth herein.

2. Voting. The holders of the Common Stock are entitled to one vote for each share of Common Stock held at all meetings of stockholders (and written actions in lieu of meetings); provided, however, that, except as otherwise required by law, holders of Common Stock, as such, shall not be entitled to vote on any amendment to the Certificate of Incorporation of the Corporation (as may be amended and/or restated from time to time, the “**Certificate of Incorporation**”) that relates solely to the terms of one or more outstanding series of Preferred Stock if the holders of such affected series are entitled, either separately or together with the holders of one or more other such series, to vote thereon pursuant to the Certificate of Incorporation or pursuant to the General Corporation Law. There shall be no cumulative voting. The number of authorized shares of Common Stock may be increased or decreased (but not below the number of shares thereof then outstanding) by (in addition to any vote of the holders of one or more series of Preferred Stock that may be required by the terms of the Certificate of Incorporation) the affirmative vote of the holders of shares of capital stock of the Corporation representing a majority of the votes represented by all outstanding shares of capital stock of the Corporation entitled to vote, irrespective of the provisions of Section 242(b)(2) of the General Corporation Law.

#### B. PREFERRED STOCK

22,533,945 shares of the authorized Preferred Stock of the Corporation are hereby designated Series A Preferred Stock (“**Series A Preferred Stock**”), 22,917,726 shares of the authorized Preferred Stock of the Corporation are hereby designated Series B Preferred Stock (“**Series B Preferred Stock**”) and 19,420,124 shares of the authorized and unissued Preferred Stock of the Corporation are hereby designated Series C Preferred Stock (“**Series C Preferred Stock**”), each with the following rights, preferences, powers, privileges and restrictions, qualifications and limitations. Unless otherwise indicated, references to “sections” or “subsections” in this Part B of this Article Fourth refer to sections and subsections of Part B of this Article Fourth.

##### 1. Dividends.

1.1 Holders of the then outstanding Series B Preferred Stock and Series C Preferred Stock shall be entitled to receive, only when, as and if declared by the Board, out of any funds and assets of the Corporation legally available therefor, noncumulative dividends at the rate per annum, per share of the product of (i) 6% multiplied by (ii) the applicable Original Issue Price (as defined below), prior and in preference to the declaration or payment of any dividends on Series A Preferred Stock and Common Stock, other than Common Stock Dividends in such fiscal year. “**Common Stock Dividends**” means dividends on shares of Common Stock payable in shares of Common Stock.

1.2 Subject to the rights of the holders of Series B Preferred Stock and Series C Preferred Stock, as set forth in Subsection 1.1 above, the holders of then outstanding Series A Preferred Stock shall be entitled to receive, only when, as and if declared by the Board, out of any funds and assets of the Corporation legally available therefor, noncumulative dividends at the rate per annum, per share of the product of (i) 6% multiplied by (ii) the applicable Original Issue Price, prior and in preference to the declaration or payment of any dividends on Common Stock, other than Common Stock Dividends in such fiscal year.

1.3 After payment of the dividends to the holders of Preferred Stock in accordance with Subsection 1.1 and Subsection 1.2, any additional dividends or distributions shall be distributed among all holders of Common Stock and Preferred Stock in proportion to the number of shares of Common Stock that would be held by each such holder if all shares of Preferred Stock were converted to Common Stock at the then effective conversion rate.

1.4 The Corporation shall not declare, pay or set aside any dividends on shares of any other class or series of capital stock of the Corporation (other than dividends on shares of Common Stock payable in shares of Common Stock) unless (in addition to the obtaining of any consents required elsewhere in the Certificate of Incorporation) the holders of the Preferred Stock then outstanding shall first receive, or simultaneously receive, a dividend on each outstanding share of Preferred Stock in an amount at least equal to (i) in the case of a dividend on Common Stock or any class or series that is convertible into Common Stock, that dividend per share of the applicable series of Preferred Stock as would equal the product of (A) the dividend payable on each share of such class or series determined, if applicable, as if all shares of such class or series had been converted into Common Stock and (B) the number of shares of Common Stock issuable upon conversion of a share of the applicable series of Preferred Stock, in each case calculated on the record date for determination of holders entitled to receive such dividend or (ii) in the case of a dividend on any class or series that is not convertible into Common Stock, at a rate per share of Preferred Stock determined by (A) dividing the amount of the dividend payable on each share of such class or series of capital stock by the original issuance price of such class or series of capital stock (subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization with respect to such class or series) and (B) multiplying such fraction by an amount equal to the applicable Original Issue Price (as defined below); provided that, if the Corporation declares, pays or sets aside, on the same date, a dividend on shares of more than one class or series of capital stock of the Corporation, the dividend payable to the holders of Preferred Stock pursuant to this Section 1 shall be calculated based upon the dividend on the class or series of capital stock that would result in the highest dividend for such series of Preferred Stock.

1.5 Original Issue Price. The “**Original Issue Price**” (i) with respect to the Series C Preferred Stock shall be \$4.3769 per share, (ii) with respect to the Series B Preferred Stock shall be \$3.8060 per share and (iii) with respect to the Series A Preferred Stock shall be \$1.00 per share, in each case subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization affecting the applicable series of Preferred Stock.

## 2. Liquidation, Dissolution or Winding Up; Certain Mergers, Consolidations and Asset Sales.

2.1 Preferential Payments to Holders of Preferred Stock. In the event of any voluntary or involuntary liquidation, dissolution or winding up of the Corporation or Deemed Liquidation Event (as defined below), the holders of shares of Series C Preferred Stock, Series B Preferred Stock and Series A Preferred Stock then outstanding, on a pro rata, as converted and *pari passu* basis, shall be entitled to be paid out of the assets of the Corporation available for distribution to its stockholders, the consideration payable to stockholders in such Deemed Liquidation Event or out of the Available Proceeds (as defined below), as applicable, before any payment shall be made to the holders of Common Stock by reason of their ownership thereof, an amount per share equal to the applicable Original Issue Price for such class or series of Preferred Stock, plus any dividends declared but unpaid thereon (in each case, the “**Liquidation Preference**” for such class or series of Preferred Stock). If upon any such liquidation, dissolution or winding up of the Corporation or Deemed Liquidation Event, the assets of the Corporation available for distribution to its stockholders shall be insufficient to pay the holders of shares of Preferred Stock the full amount to which they shall be entitled under this Subsection 2.1, the holders of shares of Preferred Stock shall share ratably, on a *pari passu* basis, in any distribution of the assets available for distribution in proportion to the respective amounts which would otherwise be payable in respect of the shares held by them upon such distribution if all amounts payable on or with respect to such shares were paid in full. Any waiver of the Liquidation Preference shall require the written consent of the Requisite Preferred Holders. The “**Requisite Preferred Holders**” shall mean the holders of at least a majority of the then outstanding shares of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock, given in writing or by vote at a meeting, consenting or voting (as the case may be) together as a single class and on an as-converted to Common Stock basis, such majority shall include at least three of the following four stockholders of the Corporation for so long as any such stockholders and/or such stockholders’ affiliates hold any shares of Series B Preferred Stock or Series C Preferred Stock: New Enterprise Associates 16, L.P, RA Capital Healthcare Fund, L.P., Versant Ventures and Boxer Capital, LLC. “**Versant Ventures**” shall mean Versant Venture Capital VI, L.P, Versant Voyageurs I, L.P., Versant Voyageurs I Parallel, L.P. and Versant Vantage I, L.P.

2.2 Distribution of Remaining Assets. In the event of any voluntary or involuntary liquidation, dissolution or winding up of the Corporation or Deemed Liquidation Event, after the payment in full of all preferential amounts required to be paid to the holders of shares of Preferred Stock, (a) the remaining assets of the Corporation available for distribution to its stockholders, (b) the consideration not payable to the holders of shares of Preferred Stock in such Deemed Liquidation Event pursuant to Section 2.1, or (c) the remaining Available Proceeds, as the case may be, shall be distributed among the holders of the shares of Preferred Stock and Common Stock, pro rata based on the number of shares held by each such holder, treating for this purpose all such shares of Preferred Stock, as if they had been converted to Common Stock pursuant to the terms of the Certificate of Incorporation immediately prior to such liquidation, dissolution or winding up of the Corporation; provided that the distributions made to the holders of shares of Preferred Stock under Subsections 2.1 and 2.2 shall not exceed three (3) times the applicable Liquidation Preference, inclusive of the applicable Liquidation Preference received by such holders in accordance with the first sentence of this Subsection 2.1 (such amount, subject to appropriate adjustment in the event of a stock split, stock dividend, combination, reclassification, or similar event affecting the Preferred Stock, the “**Maximum Participation Amount**”). Notwithstanding anything to the contrary, each holder of Preferred Stock shall be entitled to receive upon such liquidation, dissolution or winding up of the Corporation or Deemed Liquidation



Event for each such share of Preferred Stock the greater of the Maximum Participation Amount and the amount such holder would have received if all shares of Series C Preferred Stock, Series B Preferred Stock or Series A Preferred Stock, as the case may be, had been converted into Common Stock immediately prior to such liquidation, dissolution or winding up of the Corporation or Deemed Liquidation Event. The aggregate amount which a holder of a share of Series C Preferred Stock, Series B Preferred Stock or Series A Preferred Stock, as the case may be, is entitled to receive under Subsections 2.1 and 2.2 is hereinafter referred to as the “**Liquidation Amount.**”

### 2.3 Deemed Liquidation Events.

2.3.1 Definition. Each of the following events shall be considered a “**Deemed Liquidation Event**” unless the Requisite Preferred Holders elect otherwise by written notice sent to the Corporation at least seven (7) days prior to the effective date of any such event (and the Corporation shall provide notice of such event to the holders of Preferred Stock sufficiently in advance of such seven (7) day period):

- (a) a merger or consolidation in which
  - (i) the Corporation is a constituent party or
  - (ii) a subsidiary of the Corporation is a constituent party and the Corporation issues shares of its capital stock pursuant to such merger or consolidation,

except any such merger or consolidation involving the Corporation or a subsidiary in which the shares of capital stock of the Corporation outstanding immediately prior to such merger or consolidation continue to represent, or are converted into or exchanged for shares of capital stock that represent, immediately following such merger or consolidation, at least a majority, by voting power, of the capital stock of (1) the surviving or resulting corporation; or (2) if the surviving or resulting corporation is a wholly owned subsidiary of another corporation immediately following such merger or consolidation, the parent corporation of such surviving or resulting corporation; or

(b) the sale, lease, transfer, exclusive license or other disposition, in a single transaction or series of related transactions, by the Corporation or any subsidiary of the Corporation of all or substantially all the assets of the Corporation and its subsidiaries taken as a whole or the sale or disposition (whether by merger, consolidation or otherwise and whether in a single transaction or a series of related transactions) of one or more subsidiaries of the Corporation if substantially all of the assets of the Corporation and its subsidiaries taken as a whole are held by such subsidiary or subsidiaries, except where such sale, lease, transfer, exclusive license or other disposition is to a wholly owned subsidiary of the Corporation.

### 2.3.2 Effecting a Deemed Liquidation Event.

(a) The Corporation shall not have the power to effect a Deemed Liquidation Event referred to in Subsection 2.3.1(a)(i), unless the agreement or plan of merger or consolidation for such transaction (the “**Merger Agreement**”) provides that the consideration payable to the stockholders of the Corporation shall be allocated among the holders of capital stock of the Corporation in accordance with Subsections 2.1 and 2.2.

(b) In the event of a Deemed Liquidation Event referred to in Subsection 2.3.1(a)(ii) or 2.3.1(b), if the Corporation does not effect a dissolution of the Corporation under the General Corporation Law within ninety (90) days after such Deemed Liquidation Event, then (i) the Corporation shall send a written notice to each holder of Preferred Stock no later than the ninetieth (90th) day after the Deemed Liquidation Event advising such holders of their right (and the requirements to be met to secure such right) pursuant to the terms of the following clause; (ii) to require the redemption of such shares of Preferred Stock, and (iii) if the Requisite Preferred Holders so request in a written instrument delivered to the Corporation not later than one hundred twenty (120) days after such Deemed Liquidation Event, the Corporation shall use the consideration received by the Corporation for such Deemed Liquidation Event (net of any retained liabilities associated with the assets sold or technology licensed, as determined in good faith by the Board), together with any other assets of the Corporation available for distribution to its stockholders, all to the extent permitted by Delaware law governing distributions to stockholders (the “**Available Proceeds**”), on the one hundred fiftieth (150th) day after such Deemed Liquidation Event (the “**Redemption Date**”), to redeem all outstanding shares of Preferred Stock at a price per share equal to the applicable Liquidation Amount (the “**Redemption Price**”). Notwithstanding the foregoing, in the event of a redemption pursuant to the preceding sentence, if the Available Proceeds are not sufficient to redeem all outstanding shares of Preferred Stock, the Corporation shall ratably redeem each holder’s shares of Preferred Stock to the fullest extent of such Available Proceeds, based on the respective amounts which would otherwise be payable in respect of the shares to be redeemed if the Available Proceeds were sufficient to redeem all such shares, and shall redeem the remaining shares as soon as it may lawfully do so under Delaware law governing distributions to stockholders. Prior to the distribution or redemption provided for in this Subsection 2.3.2(b), the Corporation shall not expend or dissipate the consideration received for such Deemed Liquidation Event, except to discharge expenses incurred in connection with such Deemed Liquidation Event or in the ordinary course of business.

(c) Redemption Notice. The Corporation shall send written notice of the redemption (the “**Redemption Notice**”) to each holder of record of Preferred Stock not less than 20 days prior to the Redemption Date. Each Redemption Notice shall state: (A) the number of shares of each class or series of Preferred Stock held by such holder that the Corporation shall redeem on the Redemption Date specified in the Redemption Notice; (B) the Redemption Date and the applicable Redemption Price for such holder’s shares of each such class or series of Preferred Stock; (C) the date upon which the holder’s right to convert shares of such Preferred Stock terminates (as determined in accordance with Section 4.1); and (D) that the holder is to surrender to the Corporation, in the manner and at the place designated in the Redemption Notice, his, her or its certificate or certificates representing the shares of the Preferred Stock to be redeemed.

(d) Surrender of Certificates; Payment. On or before the Redemption Date, each holder of shares of Preferred Stock to be redeemed on the Redemption Date (unless such holder has exercised his, her or its right to convert such shares as provided in Section 4) shall, if applicable, surrender the certificate or certificates representing such shares (or,

if such registered holder alleges that such certificate has been lost, stolen or destroyed, a lost certificate affidavit and agreement reasonably acceptable to the Corporation to indemnify the Corporation against any claim that may be made against the Corporation on account of the alleged loss, theft or destruction of such certificate) to the Corporation, in the manner and at the place designated in the Redemption Notice, and thereupon the applicable Redemption Price for such shares shall be payable to the order of the person whose name appears on such certificate or certificates as the owner thereof.

(e) Rights Subsequent to Redemption. If the Redemption Notice shall have been duly given, and if on the applicable Redemption Date, the applicable Redemption Price payable upon redemption of the shares of Preferred Stock to be redeemed on such Redemption Date is paid or tendered for payment or deposited with an independent payment agent so as to be available therefor in a timely manner, then notwithstanding that the certificates evidencing any of the shares of Preferred Stock so called for redemption shall not have been surrendered, all rights with respect to such shares of Preferred Stock shall forthwith after the Redemption Date terminate, except only the right of the holders to receive the Redemption Price without interest, upon surrender of their certificate or certificates therefor.

2.3.3 Amount Deemed Paid or Distributed. If the amount deemed paid or distributed to the holders of capital stock of the Corporation under this Subsection 2.3.3 upon any such merger, consolidation, sale, transfer, exclusive license, other disposition or redemption is made in property other than in cash, the value of such distribution shall be the fair market value of such property, determined as follows:

(a) For securities not subject to investment letters or other similar restrictions on free marketability,

- (i) if traded on a securities exchange, the value shall be deemed to be the average of the closing prices of the securities on such exchange or market over the thirty (30) day period ending three (3) days prior to the closing of such transaction;
- (ii) if actively traded over-the-counter, the value shall be deemed to be the average of the closing bid prices over the thirty (30) day period ending three (3) days prior to the closing of such transaction; or
- (iii) if there is no active public market, the value shall be the fair market value thereof, as determined in good faith by the Board.

(b) The method of valuation of securities subject to investment letters or other similar restrictions on free marketability (other than restrictions arising solely by virtue of a stockholder's status as an affiliate or former affiliate) shall take into account an appropriate discount (as determined in good faith by the Board) from the market value as determined pursuant to clause (a) above so as to reflect the approximate fair market value thereof.

2.3.4 Allocation of Escrow and Contingent Consideration. In the event of a Deemed Liquidation Event pursuant to Subsection 2.3.1(a)(i), if any portion of the consideration payable to the stockholders of the Corporation is payable only upon satisfaction of contingencies (“**Additional Consideration**”), the Merger Agreement shall provide that (a) the portion of such consideration that is not Additional Consideration (such portion, the “**Initial Consideration**”) shall be allocated among the holders of capital stock of the Corporation in accordance with Subsections 2.1 and 2.2 as if the Initial Consideration were the only consideration payable in connection with such Deemed Liquidation Event; and (b) any Additional Consideration which becomes payable to the stockholders of the Corporation upon satisfaction of such contingencies shall be allocated among the holders of capital stock of the Corporation in accordance with Subsections 2.1 and 2.2 after taking into account the previous payment of the Initial Consideration as part of the same transaction. For the purposes of this Subsection 2.3.4, consideration placed into escrow or retained as a holdback to be available for satisfaction of indemnification or similar obligations in connection with such Deemed Liquidation Event shall be deemed to be Additional Consideration.

### 3. Voting.

3.1 General. On any matter presented to the stockholders of the Corporation for their action or consideration at any meeting of stockholders of the Corporation (or by written consent of stockholders in lieu of meeting), each holder of outstanding shares of Preferred Stock shall be entitled to cast the number of votes equal to the number of whole shares of Common Stock into which the shares of Preferred Stock held by such holder are convertible as of the record date for determining stockholders entitled to vote on such matter. Except as provided by law or by the other provisions of the Certificate of Incorporation, holders of Preferred Stock shall vote together with the holders of Common Stock as a single class. Subject to Section 3.3 below, the number of authorized shares of Common Stock may be increased or decreased (but not below the number of shares thereof then outstanding) by the majority affirmative vote of holders of shares of Common Stock and Preferred Stock, voting together as a single class, and without a separate class vote by the holders of shares of Common Stock.

3.2 Election of Directors. The holders of record of the shares of Series B Preferred Stock, exclusively and as a separate class, shall be entitled to elect two (2) directors of the Corporation (the “**Series B Directors**”); the holders of record of the shares of Series A Preferred Stock, exclusively and as a separate class, shall be entitled to elect two (2) directors of the Corporation (the “**Series A Directors**”) and together with the Series B Directors, the “**Preferred Directors**”) and the holders of record of the shares of Common Stock, exclusively and as a separate class, shall be entitled to elect two (2) directors of the Corporation (the “**Common Directors**”). The holders of record of the shares of Common Stock and of any other class or series of voting stock (including the Preferred Stock), exclusively and voting together as a single class, shall be entitled to elect the balance of the total number of directors of the Corporation. Any director elected as provided in the preceding sentences may be removed without cause by, and only by, the affirmative vote of the holders of the shares of the class or series of capital stock entitled to elect such director or directors, given either at a special meeting of such stockholders

duly called for that purpose or pursuant to a written consent of stockholders. If the holders of shares of Series B Preferred Stock, Series A Preferred Stock or Common Stock, as the case may be, fail to elect a sufficient number of directors to fill all directorships for which they are entitled to elect directors, voting exclusively and as a separate class, pursuant to the first sentence of this Subsection 3.2, then any directorship not so filled shall remain vacant until such time as the holders of the Series B Preferred Stock, Series A Preferred Stock or Common Stock, as the case may be, elect a person to fill such directorship by vote or written consent in lieu of a meeting; and no such directorship may be filled by stockholders of the Corporation other than by the stockholders of the Corporation that are entitled to elect a person to fill such directorship, voting exclusively and as a separate class. At any meeting held for the purpose of electing a director, the presence in person or by proxy of the holders of a majority of the outstanding shares of the class or series entitled to elect such director shall constitute a quorum for the purpose of electing such director. Except as otherwise provided in this Subsection 3.2, a vacancy in any directorship filled by the holders of any class or series shall be filled only by vote or written consent in lieu of a meeting of the holders of such class or series or by any remaining director or directors elected by the holders of such class or series pursuant to this Subsection 3.2.

3.3 Preferred Stock Protective Provisions. At any time when at least 17,000,000 shares of Preferred Stock (subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization with respect to the Preferred Stock) are outstanding, the Corporation shall not, either directly or indirectly by amendment, merger, consolidation or otherwise, do any of the following without (in addition to any other vote required by law or the Certificate of Incorporation) the written consent or affirmative vote of the Requisite Preferred Holders, given in writing or by vote at a meeting, consenting or voting (as the case may be) together as a single class and on an as-converted to Common Stock basis, and any such act or transaction entered into without such consent or vote shall be null and void *ab initio*, and of no force or effect:

3.3.1 liquidate, dissolve or wind-up the business and affairs of the Corporation, effect or consent to any merger, corporate reorganization or consolidation or any other Deemed Liquidation Event, or consent to any of the foregoing;

3.3.2 amend, alter, waive or repeal any provision of the Certificate of Incorporation or Bylaws of the Corporation;

3.3.3 create, or authorize the creation of, any additional class or series of capital stock unless the same ranks junior to the Series B Preferred Stock and Series C Preferred Stock with respect to the distribution of assets on the liquidation, dissolution or winding up of the Corporation, the payment of dividends and rights of redemption, or increase or decrease the authorized number of shares of Common Stock or Preferred Stock or increase or decrease the authorized number of shares of any additional class or series of capital stock unless the same ranks junior to any series or class of Preferred Stock with respect to the distribution of assets on the liquidation, dissolution or winding up of the Corporation, the payment of dividends and rights of redemption;

3.3.4 (i) reclassify, alter or amend any existing security of the Corporation that is *pari passu* with any series or class of Preferred Stock in respect of the distribution of assets on the liquidation, dissolution or winding up of the Corporation, the payment of dividends or rights of redemption, if such reclassification, alteration or amendment would render such other security senior to any series or class of Preferred Stock in respect of any such right, preference, or privilege or (ii) reclassify, alter or amend any existing security of the Corporation that is junior to any series or class of Preferred Stock in respect of the distribution of assets on the liquidation, dissolution or winding up of the Corporation, the payment of dividends or rights of redemption, if such reclassification, alteration or amendment would render such other security senior to or *pari passu* with any series or class of Preferred Stock in respect of any such right, preference or privilege;

3.3.5 purchase or redeem (or permit any subsidiary to purchase or redeem) or pay or declare any dividend or make any distribution on, any shares of capital stock of the Corporation other than (i) redemptions of or dividends or distributions on the Preferred Stock as expressly authorized herein, (ii) dividends or other distributions payable on the Common Stock solely in the form of additional shares of Common Stock, (iii) repurchases of stock from former employees, officers, directors, consultants or other persons who performed services for the Corporation or any subsidiary in connection with the cessation of such employment or service at no greater than the original purchase price thereof upon the exercise of the Corporation's right of first refusal, or (iv) as approved by the Board of Directors;

3.3.6 create, or hold capital stock in, any subsidiary that is not wholly owned (either directly or through one or more other subsidiaries) by the Corporation, or permit any subsidiary to create, or authorize the creation of, or issue or obligate itself to issue, any shares of any class or series of capital stock, or sell, transfer or otherwise dispose of any capital stock of any direct or indirect subsidiary of the Corporation, or permit any direct or indirect subsidiary to sell, lease, transfer, exclusively license or otherwise dispose (in a single transaction or series of related transactions) of all or substantially all of the assets of such subsidiary;

3.3.7 cause or permit any of its subsidiaries to, without approval of the Board, including at least three Preferred Directors, sell, issue, sponsor, create or distribute any digital tokens, cryptocurrency or other blockchain-based assets (collectively, "**Tokens**"), including through a pre-sale, initial coin offering, token distribution event or crowdfunding, or through the issuance of any instrument convertible into or exchangeable for Tokens;

3.3.8 increase or decrease the authorized number of directors constituting the Board;

3.3.9 sell, assign, license, pledge or encumber material technology or intellectual property, other than licenses granted in the ordinary course of business; or

3.3.10 enter into any corporate strategic relationship involving the payment, contribution or assignment by the Corporation or to the Corporation of assets greater than \$1,000,000.

**3.4 Series A Preferred Stock Protective Provisions.** At any time when at least 5,000,000 shares of Series A Preferred Stock (subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization with respect to the Series A Preferred Stock) are outstanding, the Corporation shall not, either directly or indirectly by amendment, merger, consolidation or otherwise, without (in addition to any other vote required by law or the Certificate of Incorporation) the written consent or affirmative vote of the holders of a majority of the then outstanding shares of Series A Preferred Stock, given in writing or by vote at a meeting, consenting or voting (as the case may be) separately as a class, effect or validate any amendment to the Certificate of Incorporation or Bylaws of the Corporation that would (a) increase the authorized number of shares of Series A Preferred Stock or (b) adversely alter or change the voting or other powers, preferences, or other special rights, privileges or restrictions attaching to Series A Preferred Stock, and any such act or transaction entered into without such consent or vote shall be null and void *ab initio*, and of no force or effect; provided, however, that (i) proportional differences in the amounts of respective issue prices, redemption prices or liquidation preferences that arise out of differences in the original issue price vis-a-vis other series of Preferred Stock and (ii) the mere creation of any new class or series of shares equal or superior to such series of Preferred Stock shall not, in itself, be deemed to adversely alter or change the voting or other powers, preferences, or other special rights, privileges or restrictions attaching to such series of Preferred Stock.

**3.5 Series B Preferred Stock Protective Provisions.** At any time when at least 5,000,000 shares of Series B Preferred Stock (subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization with respect to the Series B Preferred Stock) are outstanding, the Corporation shall not, either directly or indirectly by amendment, merger, consolidation or otherwise, without (in addition to any other vote required by law or the Certificate of Incorporation) the written consent or affirmative vote of the holders of a majority of the then outstanding shares of Series B Preferred Stock, given in writing or by vote at a meeting, consenting or voting (as the case may be) separately as a class, effect or validate any amendment to the Certificate of Incorporation or Bylaws of the Corporation that would (a) increase the authorized number of shares of Series B Preferred Stock or (b) adversely alter or change the voting or other powers, preferences, or other special rights, privileges or restrictions attaching to Series B Preferred Stock, and any such act or transaction entered into without such consent or vote shall be null and void *ab initio*, and of no force or effect; provided, however, that (i) proportional differences in the amounts of respective issue prices, redemption prices or liquidation preferences that arise out of differences in the original issue price vis-a-vis other series of Preferred Stock and (ii) the mere creation of any new class or series of shares equal or superior to such series of Preferred Stock shall not, in itself, be deemed to adversely alter or change the voting or other powers, preferences, or other special rights, privileges or restrictions attaching to such series of Preferred Stock.

**3.6 Series C Preferred Stock Protective Provisions.** At any time when at least 4,500,000 shares of Series C Preferred Stock (subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization with respect to the Series C Preferred Stock) are outstanding, the Corporation shall not, either directly or indirectly by amendment, merger, consolidation or otherwise, without (in addition to any other vote required by law or the Certificate of Incorporation) the written consent or affirmative vote of the holders of a majority of the then outstanding shares of Series C Preferred Stock, given in writing or by vote at a meeting, consenting or voting (as the case may be) separately as a class, effect or validate any amendment to the Certificate of Incorporation or Bylaws of the Corporation that would (a) increase

the authorized number of shares of Series C Preferred Stock or (b) adversely alter or change the voting or other powers, preferences, or other special rights, privileges or restrictions attaching to Series C Preferred Stock, and any such act or transaction entered into without such consent or vote shall be null and void *ab initio*, and of no force or effect; provided, however, that (i) proportional differences in the amounts of respective issue prices, redemption prices or liquidation preferences that arise out of differences in the original issue price vis-a-vis other series of Preferred Stock and (ii) the mere creation of any new class or series of shares equal or superior to such series of Preferred Stock shall not, in itself, be deemed to adversely alter or change the voting or other powers, preferences, or other special rights, privileges or restrictions attaching to such series of Preferred Stock.

#### 4. Optional Conversion.

The holders of the Preferred Stock shall have conversion rights as follows (the “**Conversion Rights**”):

##### 4.1 Right to Convert.

4.1.1 Conversion Ratio. Each share of Preferred Stock shall be convertible, at the option of the holder thereof, at any time and from time to time, and without the payment of additional consideration by the holder thereof, into such number of fully paid and non-assessable shares of Common Stock as is determined by dividing the applicable Original Issue Price by the applicable Conversion Price (as defined below) in effect at the time of conversion. The “**Series A Conversion Price**” shall initially be equal to \$1.00. The “**Series B Preferred Conversion Price**” shall initially be equal to \$3.8060. The “**Series C Preferred Conversion Price**” shall initially be equal to \$4.3769. The Series A Conversion Price, the Series B Conversion Price and the Series C Conversion Price are each referred to as a “**Conversion Price**.” Such initial applicable Conversion Price, and the rate at which shares of Preferred Stock may be converted into shares of Common Stock, shall be subject to adjustment as provided below.

4.1.2 Termination of Conversion Rights. In the event of a liquidation, dissolution or winding up of the Corporation or a Deemed Liquidation Event, the Conversion Rights shall terminate at the close of business on the last full day preceding the date fixed for the payment of any such amounts distributable on such event to the holders of Preferred Stock.

4.2 Fractional Shares. No fractional shares of Common Stock shall be issued upon conversion of the Preferred Stock. In lieu of any fractional shares to which the holder would otherwise be entitled, the Corporation shall pay cash equal to such fraction multiplied by the fair market value of a share of Common Stock as determined in good faith by the Board. Whether or not fractional shares would be issuable upon such conversion shall be determined on the basis of the total number of shares of Preferred Stock the holder is at the time converting into Common Stock and the aggregate number of shares of Common Stock issuable upon such conversion.



#### 4.3 Mechanics of Conversion.

4.3.1 Notice of Conversion. In order for a holder of Preferred Stock to voluntarily convert shares of Preferred Stock into shares of Common Stock, such holder shall (a) provide written notice to the Corporation's transfer agent at the office of the transfer agent for the Preferred Stock (or at the principal office of the Corporation if the Corporation serves as its own transfer agent) that such holder elects to convert all or any number of such holder's shares of Preferred Stock and, if applicable, any event on which such conversion is contingent and (b), if such holder's shares are certificated, surrender the certificate or certificates for such shares of Preferred Stock (or, if such registered holder alleges that such certificate has been lost, stolen or destroyed, a lost certificate affidavit and agreement reasonably acceptable to the Corporation to indemnify the Corporation against any claim that may be made against the Corporation on account of the alleged loss, theft or destruction of such certificate), at the office of the transfer agent for the Preferred Stock (or at the principal office of the Corporation if the Corporation serves as its own transfer agent) together with written notice that such holder elects to convert all or any number of the shares of the Preferred Stock represented by such certificate or certificates and, if applicable, any event on which such conversion is contingent (a "**Contingency Event**"). Such notice shall state such holder's name or the names of the nominees in which such holder wishes the shares of Common Stock to be issued. If required by the Corporation, any certificates surrendered for conversion shall be endorsed or accompanied by a written instrument or instruments of transfer, in form satisfactory to the Corporation, duly executed by the registered holder or his, her or its attorney duly authorized in writing. The close of business on the date of receipt by the transfer agent (or by the Corporation if the Corporation serves as its own transfer agent) and notice (or, if later, the date on which all Contingency Events have occurred) of such certificates (or lost certificate affidavit and agreement) shall be the time of conversion (the "**Conversion Time**"), and the shares of Common Stock issuable upon conversion of the specified shares shall be deemed to be outstanding of record as of such time. If the conversion is in connection with an underwritten offering of securities registered pursuant to the Securities Act of 1933, as amended (the "**Securities Act**"), the conversion may, at the option of any holder tendering Preferred Stock for conversion, be conditioned upon the closing with the underwriters of the sale of securities pursuant to such offering, in which event the persons entitled to receive the Common Stock upon conversion of the Preferred Stock shall not be deemed to have converted such Preferred Stock until immediately prior to the closing of such sale of securities. The Corporation shall, as soon as practicable after the Conversion Time (i) issue and deliver to such holder of Preferred Stock, or to his, her or its nominees, a certificate or certificates for the number of full shares of Common Stock issuable upon such conversion in accordance with the provisions hereof and a certificate for the number (if any) of the shares of Preferred Stock represented by the surrendered certificate that were not converted into Common Stock, (ii) pay in cash such amount as provided in Subsection 4.2 in lieu of any fraction of a share of Common Stock otherwise issuable upon such conversion and (iii) pay all declared but unpaid dividends on the shares of Preferred Stock converted.

4.3.2 Reservation of Shares. The Corporation shall at all times when the Preferred Stock shall be outstanding, reserve and keep available out of its authorized but unissued capital stock, for the purpose of effecting the conversion of the Preferred Stock, such number of its duly authorized shares of Common Stock as shall from time to time be sufficient to effect the conversion of all outstanding Preferred Stock; and if at any time the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then

outstanding shares of the Preferred Stock, the Corporation shall take such corporate action as may be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in best efforts to obtain the requisite stockholder approval of any necessary amendment to the Certificate of Incorporation. Before taking any action which would cause an adjustment reducing the applicable Conversion Price below the then par value of the shares of Common Stock issuable upon conversion of the Preferred Stock, the Corporation will take any corporate action which may, in the opinion of its counsel, be necessary in order that the Corporation may validly and legally issue fully paid and non-assessable shares of Common Stock at such adjusted Conversion Price.

4.3.3 Effect of Conversion. All shares of Preferred Stock which shall have been surrendered for conversion as herein provided shall no longer be deemed to be outstanding and all rights with respect to such shares shall immediately cease and terminate at the Conversion Time, except only the right of the holders thereof to receive shares of Common Stock in exchange therefor, to receive payment in lieu of any fraction of a share otherwise issuable upon such conversion as provided in Subsection 4.2 and to receive payment of any dividends declared but unpaid thereon. Any shares of Preferred Stock so converted shall be retired and cancelled and may not be reissued as shares of such series, and the Corporation may thereafter take such appropriate action (without the need for stockholder action) as may be necessary to reduce the authorized number of shares of Preferred Stock accordingly.

4.3.4 No Further Adjustment. Upon any such conversion, no adjustment to the applicable Conversion Price shall be made for any declared but unpaid dividends on the Preferred Stock surrendered for conversion or on the Common Stock delivered upon conversion.

4.3.5 Taxes. The Corporation shall pay any and all issue and other similar taxes that may be payable in respect of any issuance or delivery of shares of Common Stock upon conversion of shares of Preferred Stock pursuant to this Section 4. The Corporation shall not, however, be required to pay any tax which may be payable in respect of any transfer involved in the issuance and delivery of shares of Common Stock in a name other than that in which the shares of Preferred Stock so converted were registered, and no such issuance or delivery shall be made unless and until the person or entity requesting such issuance has paid to the Corporation the amount of any such tax or has established, to the satisfaction of the Corporation, that such tax has been paid.

#### 4.4 Adjustments to Conversion Price for Diluting Issues.

4.4.1 Special Definitions. For purposes of this Article Fourth, the following definitions shall apply:

(a) “**Option**” shall mean rights, options or warrants to subscribe for, purchase or otherwise acquire Common Stock or Convertible Securities.

(b) “**Series C Original Issue Date**” shall mean the date on which the first share of Series C Preferred Stock was issued.

(c) “**Convertible Securities**” shall mean any evidences of indebtedness, shares or other securities directly or indirectly convertible into or exchangeable for Common Stock, but excluding Options.

(d) “**Additional Shares of Common Stock**” shall mean all shares of Common Stock issued (or, pursuant to Subsection 4.4.3 below, deemed to be issued) by the Corporation after the Series C Original Issue Date, other than (1) the following shares of Common Stock and (2) shares of Common Stock deemed issued pursuant to the following Options and Convertible Securities (clauses (1) and (2), collectively, “**Exempted Securities**”):

- (i) shares of Common Stock, Options or Convertible Securities issued upon conversion of Preferred Stock or issued as a dividend or distribution on Preferred Stock;
- (ii) shares of Common Stock, Options or Convertible Securities issued by reason of a dividend, stock split, split-up or other distribution on shares of Common Stock that is covered by Subsection 4.5, 4.6, 4.7 or 4.8 and approved by the Board, including at least three Preferred Directors;
- (iii) shares of Common Stock or Options issued to employees or directors of, or consultants or advisors to, the Corporation or any of its subsidiaries pursuant to a plan, agreement or arrangement approved by the Board, including at least three Preferred Directors;
- (iv) shares of Common Stock or Convertible Securities actually issued upon the exercise of Options authorized as of the Series C Original Issue Date or shares of Common Stock actually issued upon the conversion or exchange of Convertible Securities outstanding as of the Series C Original Issue Date, in each case provided such issuance is pursuant to the terms of such Option or Convertible Security;
- (v) shares of Common Stock, Options or Convertible Securities issued to banks, equipment lessors or other financial institutions, or to real property lessors, pursuant to a debt financing, equipment leasing or real property leasing transaction approved by the Board, including at least three Preferred Directors;

- (vi) shares of Common Stock, Options or Convertible Securities issued pursuant to the acquisition of another corporation by the Corporation by merger, purchase of substantially all of the assets or other business combination or reorganization or to a license, strategic partnership, joint venture or similar transactions, provided that such issuances are approved by the Board, including at least three Preferred Directors;
- (vii) shares of Common Stock issued in connection with a Qualified IPO; or
- (viii) shares of Common Stock, Options or Convertible Securities deemed at the time of issuance to be Exempted Securities by the Requisite Preferred Holders.

4.4.2 No Adjustment of Conversion Price. No adjustment in the Conversion Price of any series of Preferred Stock shall be made as the result of the issuance or deemed issuance of Additional Shares of Common Stock if the Corporation receives written notice from the Requisite Preferred Holders agreeing that no such adjustment shall be made with respect to such series of Preferred Stock as the result of the issuance or deemed issuance of such Additional Shares of Common Stock.

4.4.3 Deemed Issue of Additional Shares of Common Stock.

(a) If the Corporation at any time or from time to time after the Series C Original Issue Date shall issue any Options or Convertible Securities (excluding Options or Convertible Securities which are themselves Exempted Securities) or shall fix a record date for the determination of holders of any class of securities entitled to receive any such Options or Convertible Securities, then the maximum number of shares of Common Stock (as set forth in the instrument relating thereto, assuming the satisfaction of any conditions to exercisability, convertibility or exchangeability (including the passage of time) but without regard to any provision contained therein for a subsequent adjustment of such number including by way of anti-dilution adjustment) issuable upon the exercise of such Options or, in the case of Convertible Securities and Options therefor, the conversion or exchange of such Convertible Securities, shall be deemed to be Additional Shares of Common Stock issued as of the time of such issue or, in case such a record date shall have been fixed, as of the close of business on such record date.

(b) If the terms of any Option or Convertible Security, the issuance of which resulted in an adjustment to the applicable Conversion Price pursuant to the terms of Subsection 4.4.4, are revised as a result of an amendment to such terms or any other adjustment is made pursuant to the provisions of such Option or Convertible Security (but excluding automatic adjustments to such terms pursuant to anti-dilution or similar provisions of such Option or Convertible Security) to provide for either (1) any increase or decrease in the number of shares of Common Stock issuable upon the exercise, conversion and/or exchange of any such Option or Convertible Security or (2) any increase or decrease in the consideration payable to the Corporation upon such exercise, conversion and/or exchange, then, effective upon such increase or decrease becoming effective, the applicable Conversion Price computed upon the original issue of such Option or Convertible Security (or upon the occurrence of a record date with respect thereto) shall be readjusted to such Conversion Price as would have been obtained had such revised terms been in effect upon the original date of issuance of such Option or Convertible Security. Notwithstanding the foregoing, no readjustment pursuant to this clause (b) shall have the effect of increasing the applicable Conversion Price to an amount which exceeds the lower of (i) the applicable Conversion Price in effect immediately prior to the original adjustment made as a result of the issuance of such Option or Convertible Security, or (ii) the applicable Conversion Price that would have resulted from any issuances of Additional Shares of Common Stock (other than deemed issuances of Additional Shares of Common Stock as a result of the issuance of such Option or Convertible Security) between the original adjustment date and such readjustment date.

(c) If the terms of any Option or Convertible Security (excluding Options or Convertible Securities which are themselves Exempted Securities), the issuance of which did not result in an adjustment to the applicable Conversion Price pursuant to the terms of Subsection 4.4.4 (either because the consideration per share (determined pursuant to Subsection 4.4.5) of the Additional Shares of Common Stock subject thereto was equal to or greater than the applicable Conversion Price then in effect, or because such Option or Convertible Security was issued before the Series C Original Issue Date), are revised after the Series C Original Issue Date as a result of an amendment to such terms or any other adjustment pursuant to the provisions of such Option or Convertible Security (but excluding automatic adjustments to such terms pursuant to anti-dilution or similar provisions of such Option or Convertible Security) to provide for either (1) any increase in the number of shares of Common Stock issuable upon the exercise, conversion or exchange of any such Option or Convertible Security or (2) any decrease in the consideration payable to the Corporation upon such exercise, conversion or exchange, then such Option or Convertible Security, as so amended or adjusted, and the Additional Shares of Common Stock subject thereto (determined in the manner provided in Subsection 4.4.3(a)) shall be deemed to have been issued effective upon such increase or decrease becoming effective.

(d) Upon the expiration or termination of any unexercised Option or unconverted or unexchanged Convertible Security (or portion thereof) which resulted (either upon its original issuance or upon a revision of its terms) in an adjustment to the applicable Conversion Price pursuant to the terms of Subsection 4.4.4, the applicable Conversion Price shall be readjusted to such Conversion Price as would have been obtained had such Option or Convertible Security (or portion thereof) never been issued.

(e) If the number of shares of Common Stock issuable upon the exercise, conversion and/or exchange of any Option or Convertible Security, or the consideration payable to the Corporation upon such exercise, conversion and/or exchange, is calculable at the time such Option or Convertible Security is issued or amended but is subject to adjustment based upon subsequent events, any adjustment to the applicable Conversion Price

provided for in this Subsection 4.4.3 shall be effected at the time of such issuance or amendment based on such number of shares or amount of consideration without regard to any provisions for subsequent adjustments (and any subsequent adjustments shall be treated as provided in clauses and (c) of this Subsection 4.4.3). If the number of shares of Common Stock issuable upon the exercise, conversion and/or exchange of any Option or Convertible Security, or the consideration payable to the Corporation upon such exercise, conversion and/or exchange, cannot be calculated at all at the time such Option or Convertible Security is issued or amended, any adjustment to the applicable Conversion Price that would result under the terms of this Subsection 4.4.3 at the time of such issuance or amendment shall instead be effected at the time such number of shares and/or amount of consideration is first calculable (even if subject to subsequent adjustments), assuming for purposes of calculating such adjustment to the applicable Conversion Price that such issuance or amendment took place at the time such calculation can first be made.

4.4.4 Adjustment of Conversion Price Upon Issuance of Additional Shares of Common Stock. In the event the Corporation shall at any time after the Series C Original Issue Date issue Additional Shares of Common Stock (including Additional Shares of Common Stock deemed to be issued pursuant to Subsection 4.4.3), without consideration or for a consideration per share less than the applicable Conversion Price in effect immediately prior to such issue, then such Conversion Price shall be reduced, concurrently with such issue, to a price (calculated to the nearest one-hundredth of a cent) determined in accordance with the following formula:

$$CP_2 = CP_1 * (A + B) \div (A + C).$$

For purposes of the foregoing formula, the following definitions shall apply:

- (a) “CP<sub>2</sub>” shall mean the applicable Conversion Price in effect immediately after such issue of Additional Shares of Common Stock
- (b) “CP<sub>1</sub>” shall mean the applicable Conversion Price in effect immediately prior to such issue of Additional Shares of Common Stock;
- (c) “A” shall mean the number of shares of Common Stock outstanding immediately prior to such issue of Additional Shares of Common Stock (treating for this purpose as outstanding all shares of Common Stock issuable upon exercise of Options outstanding immediately prior to such issue or upon conversion or exchange of Convertible Securities (including the Preferred Stock) outstanding (assuming exercise of any outstanding Options therefor) immediately prior to such issue);
- (d) “B” shall mean the number of shares of Common Stock that would have been issued if such Additional Shares of Common Stock had been issued at a price per share equal to CP<sub>1</sub> (determined by dividing the aggregate consideration received by the Corporation in respect of such issue by CP<sub>1</sub>); and
- (e) “C” shall mean the number of such Additional Shares of Common Stock issued in such transaction.

4.4.5 Determination of Consideration. For purposes of this Subsection 4.4, the consideration received by the Corporation for the issue of any Additional Shares of Common Stock shall be computed as follows:

(a) Cash and Property: Such consideration shall:

- (i) insofar as it consists of cash, be computed at the aggregate amount of cash received by the Corporation, excluding amounts paid or payable for accrued interest;
- (ii) insofar as it consists of property other than cash, be computed at the fair market value thereof at the time of such issue, as determined in good faith by the Board; and
- (iii) in the event Additional Shares of Common Stock are issued together with other shares or securities or other assets of the Corporation for consideration which covers both, be the proportion of such consideration so received, computed as provided in clauses (i) and (ii) above, as determined in good faith by the Board.

(b) Options and Convertible Securities. The consideration per share received by the Corporation for Additional Shares of Common Stock deemed to have been issued pursuant to Subsection 4.4.3, relating to Options and Convertible Securities, shall be determined by dividing:

- (i) The total amount, if any, received or receivable by the Corporation as consideration for the issue of such Options or Convertible Securities, plus the minimum aggregate amount of additional consideration (as set forth in the instruments relating thereto, without regard to any provision contained therein for a subsequent adjustment of such consideration) payable to the Corporation upon the exercise of such Options or the conversion or exchange of such Convertible Securities, or in the case of Options for Convertible Securities, the exercise of such Options for Convertible Securities and the conversion or exchange of such Convertible Securities, by

- (ii) the maximum number of shares of Common Stock (as set forth in the instruments relating thereto, without regard to any provision contained therein for a subsequent adjustment of such number) issuable upon the exercise of such Options or the conversion or exchange of such Convertible Securities, or in the case of Options for Convertible Securities, the exercise of such Options for Convertible Securities and the conversion or exchange of such Convertible Securities.

4.4.6 Multiple Closing Dates. In the event the Corporation shall issue on more than one date Additional Shares of Common Stock that are a part of one transaction or a series of related transactions and that would result in an adjustment to the applicable Conversion Price pursuant to the terms of Subsection 4.4.4, and such issuance dates occur within a period of no more than ninety (90) days from the first such issuance to the final such issuance, then, upon the final such issuance, the applicable Conversion Price shall be readjusted to give effect to all such issuances as if they occurred on the date of the first such issuance (and without giving effect to any additional adjustments as a result of any such subsequent issuances within such period).

4.5 Adjustment for Stock Splits and Combinations. If the Corporation shall at any time or from time to time after the Series C Original Issue Date effect a subdivision of the outstanding Common Stock, the applicable Conversion Price in effect immediately before that subdivision shall be proportionately decreased so that the number of shares of Common Stock issuable on conversion of each share of such series shall be increased in proportion to such increase in the aggregate number of shares of Common Stock outstanding. If the Corporation shall at any time or from time to time after the Series C Original Issue Date combine the outstanding shares of Common Stock, the applicable Conversion Price in effect immediately before the combination shall be proportionately increased so that the number of shares of Common Stock issuable on conversion of each share of such series shall be decreased in proportion to such decrease in the aggregate number of shares of Common Stock outstanding. Any adjustment under this subsection shall become effective at the close of business on the date the subdivision or combination becomes effective.

4.6 Adjustment for Certain Dividends and Distributions. In the event the Corporation at any time or from time to time after the Series C Original Issue Date shall make or issue, or fix a record date for the determination of holders of Common Stock entitled to receive, a dividend or other distribution payable on the Common Stock in additional shares of Common Stock, then and in each such event the applicable Conversion Price in effect immediately before such event shall be decreased as of the time of such issuance or, in the event such a record date shall have been fixed, as of the close of business on such record date, by multiplying the applicable Conversion Price then in effect by a fraction:



(1) the numerator of which shall be the total number of shares of Common Stock issued and outstanding immediately prior to the time of such issuance or the close of business on such record date, and

(2) the denominator of which shall be the total number of shares of Common Stock issued and outstanding immediately prior to the time of such issuance or the close of business on such record date plus the number of shares of Common Stock issuable in payment of such dividend or distribution.

Notwithstanding the foregoing (a) if such record date shall have been fixed and such dividend is not fully paid or if such distribution is not fully made on the date fixed therefor, the applicable Conversion Price shall be recomputed accordingly as of the close of business on such record date and thereafter the applicable Conversion Price shall be adjusted pursuant to this subsection as of the time of actual payment of such dividends or distributions; and (b) that no such adjustment shall be made if the holders of the applicable series of Preferred Stock simultaneously receive a dividend or other distribution of shares of Common Stock in a number equal to the number of shares of Common Stock as they would have received if all outstanding shares of the applicable series of Preferred Stock had been converted into Common Stock on the date of such event.

4.7 Adjustments for Other Dividends and Distributions. In the event the Corporation at any time or from time to time after the Series C Original Issue Date shall make or issue, or fix a record date for the determination of holders of Common Stock entitled to receive, a dividend or other distribution payable in securities of the Corporation (other than a distribution of shares of Common Stock in respect of outstanding shares of Common Stock) or in other property and the provisions of Section 1 do not apply to such dividend or distribution, then and in each such event the holders of Preferred Stock shall receive, simultaneously with the distribution to the holders of Common Stock, a dividend or other distribution of such securities or other property in an amount equal to the amount of such securities or other property as they would have received if all outstanding shares of Preferred Stock had been converted into Common Stock on the date of such event.

4.8 Adjustment for Merger or Reorganization, etc. Subject to the provisions of Subsection 2.3, if there shall occur any reorganization, recapitalization, reclassification, consolidation or merger involving the Corporation in which the Common Stock (but not the Preferred Stock) is converted into or exchanged for securities, cash or other property (other than a transaction covered by Subsections 4.4, 4.6 or 4.7), then, following any such reorganization, recapitalization, reclassification, consolidation or merger, each share of Preferred Stock shall thereafter be convertible in lieu of the Common Stock into which it was convertible prior to such event into the kind and amount of securities, cash or other property which a holder of the number of shares of Common Stock of the Corporation issuable upon conversion of one share of Preferred Stock immediately prior to such reorganization, recapitalization, reclassification, consolidation or merger would have been entitled to receive pursuant to such transaction; and, in such case, appropriate adjustment (as determined in good faith by the Board) shall be made in the application of the provisions in this Section 4 with respect to the rights and interests thereafter of the holders of the Preferred Stock, to the end that the provisions set forth in this Section 4 (including provisions with respect to changes in and other adjustments of the applicable Conversion Price) shall thereafter be applicable, as nearly as reasonably may be, in

relation to any securities or other property thereafter deliverable upon the conversion of the Preferred Stock. For the avoidance of doubt, nothing in this Subsection 4.8 shall be construed as preventing the holders of Preferred Stock from seeking any appraisal rights to which they are otherwise entitled under the General Corporation Law in connection with a merger triggering an adjustment hereunder, nor shall this Subsection 4.8 be deemed conclusive evidence of the fair value of the shares of Preferred Stock in any such appraisal proceeding.

4.9 Certificate as to Adjustments. Upon the occurrence of each adjustment or readjustment of the applicable Conversion Price pursuant to this Section 4, the Corporation at its expense shall, as promptly as reasonably practicable but in any event not later than ten (10) days thereafter, compute such adjustment or readjustment in accordance with the terms hereof and furnish to each holder of each applicable series of Preferred Stock a certificate setting forth such adjustment or readjustment (including the kind and amount of securities, cash or other property into which such Preferred Stock is convertible) and showing in detail the facts upon which such adjustment or readjustment is based. The Corporation shall, as promptly as reasonably practicable after the written request at any time of any holder of Preferred Stock (but in any event not later than ten (10) days thereafter), furnish or cause to be furnished to such holder a certificate setting forth (i) the applicable Conversion Price then in effect, and (ii) the number of shares of Common Stock and the amount, if any, of other securities, cash or property which then would be received upon the conversion of each applicable series of Preferred Stock.

4.10 Notice of Record Date. In the event:

(a) the Corporation shall take a record of the holders of its Common Stock (or other capital stock or securities at the time issuable upon conversion of the Preferred Stock) for the purpose of entitling or enabling them to receive any dividend or other distribution, or to receive any right to subscribe for or purchase any shares of capital stock of any class or any other securities, or to receive any other security;

(b) of any capital reorganization of the Corporation, any reclassification of the Common Stock of the Corporation, or any Deemed Liquidation Event; or

(c) of the voluntary or involuntary dissolution, liquidation or winding-up of the Corporation,

then, and in each such case, the Corporation will send or cause to be sent to the holders of the Preferred Stock a notice specifying, as the case may be, (i) the record date for such dividend, distribution or subscription right, and the amount and character of such dividend, distribution or subscription right, or (ii) the effective date on which such reorganization, reclassification, consolidation, merger, transfer, dissolution, liquidation or winding-up is proposed to take place, and the time, if any is to be fixed, as of which the holders of record of Common Stock (or such other capital stock or securities at the time issuable upon the conversion of the Preferred Stock) shall be entitled to exchange their shares of Common Stock (or such other capital stock or securities) for securities or other property deliverable upon such reorganization, reclassification, consolidation, merger, transfer, dissolution, liquidation or winding-up, and the amount per share and character of such exchange applicable to the Preferred Stock and the Common Stock. Such notice shall be sent as promptly as reasonably practicable but in any event at least ten (10) days prior to the record date or effective date for the event specified in such notice.

## 5. Mandatory Conversion.

5.1 Trigger Events. Upon either (a) the closing of the sale of shares of Common Stock to the public at a price per share of at least \$4.50 (subject to appropriate adjustment in the event of any stock dividend, stock split, combination or other similar recapitalization with respect to the Common Stock), in a firm-commitment underwritten public offering pursuant to an effective registration statement under the Securities Act, resulting in at least \$75 million of gross proceeds (before deducting any underwriting discount, commissions or expenses) to the Corporation or (b) the date and time, or the occurrence of an event, specified by vote or written consent of the Requisite Preferred Holders (the time of such closing or the date and time specified or the time of the event specified in such vote or written consent is referred to herein as the “**Mandatory Conversion Time**”), then (i) all outstanding shares of Preferred Stock shall automatically be converted into shares of Common Stock, at the then effective conversion rate as calculated pursuant to Subsection 4.1.1 and (ii) such shares may not be reissued by the Corporation. A “**Qualified IPO**” shall mean the Corporation’s initial public offering whereby all of the shares of Preferred Stock are converted pursuant to the prior sentence.

5.2 Procedural Requirements. All holders of record of shares of Preferred Stock shall be sent written notice of the Mandatory Conversion Time and the place designated for mandatory conversion of all such shares of Preferred Stock pursuant to this Section 5. Such notice need not be sent in advance of the occurrence of the Mandatory Conversion Time. Upon receipt of such notice, each holder of shares of Preferred Stock in certificated form shall surrender his, her or its certificate or certificates for all such shares (or, if such holder alleges that such certificate has been lost, stolen or destroyed, a lost certificate affidavit and agreement reasonably acceptable to the Corporation to indemnify the Corporation against any claim that may be made against the Corporation on account of the alleged loss, theft or destruction of such certificate) to the Corporation at the place designated in such notice. If so required by the Corporation, any certificates surrendered for conversion shall be endorsed or accompanied by written instrument or instruments of transfer, in form satisfactory to the Corporation, duly executed by the registered holder or by his, her or its attorney duly authorized in writing. All rights with respect to the Preferred Stock converted pursuant to Subsection 5.1, including the rights, if any, to receive notices and vote (other than as a holder of Common Stock), will terminate at the Mandatory Conversion Time (notwithstanding the failure of the holder or holders thereof to surrender any certificates at or prior to such time), except only the rights of the holders thereof, upon surrender of any certificate or certificates of such holders (or lost certificate affidavit and agreement) therefor, to receive the items provided for in the next sentence of this Subsection 5.2. As soon as practicable after the Mandatory Conversion Time and, if applicable, the surrender of any certificate or certificates (or lost certificate affidavit and agreement) for Preferred Stock, the Corporation shall (a) issue and deliver to such holder, or to his, her or its nominees, a certificate or certificates for the number of full shares of Common Stock issuable on such conversion in accordance with the provisions hereof and (b) pay cash as provided in Subsection 4.2 in lieu of any fraction of a share of Common Stock otherwise issuable upon such conversion and the payment of any declared but unpaid dividends on the shares of Preferred Stock converted. Such converted Preferred Stock shall be retired and cancelled and may not be reissued as shares of such series, and the Corporation may thereafter take such appropriate action (without the need for stockholder action) as may be necessary to reduce the authorized number of shares of Preferred Stock accordingly.

6. Redeemed or Otherwise Acquired Shares. Any shares of Preferred Stock that are redeemed or otherwise acquired by the Corporation or any of its subsidiaries shall be automatically and immediately cancelled and retired and shall not be reissued, sold or transferred. Neither the Corporation nor any of its subsidiaries may exercise any voting or other rights granted to the holders of the Preferred Stock that are redeemed following such redemption.

7. Waiver. Any of the rights, powers, preferences and other terms of the Preferred Stock set forth herein may be waived on behalf of all holders of Preferred Stock by the Requisite Preferred Holders; provided, however, that to the extent such rights, powers, preferences and other terms are expressly for the benefit of a specific series of Preferred Stock, then such waiver will also require the affirmative consent or vote of the holders of a majority of the applicable series of Preferred Stock.

8. Notices. Any notice required or permitted by the provisions of this Article Fourth to be given to a holder of shares of Preferred Stock shall be mailed, postage prepaid, to the post office address last shown on the records of the Corporation, or given by electronic communication in compliance with the provisions of the General Corporation Law, and shall be deemed sent upon such mailing or electronic transmission,

**FIFTH:** Subject to any additional vote required by the Certificate of Incorporation or Bylaws of the Corporation, in furtherance and not in limitation of the powers conferred by statute, the Board is expressly authorized to make, repeal, alter, amend and rescind any or all of the Bylaws of the Corporation.

**SIXTH:** Subject to any additional vote required by the Certificate of Incorporation, the number of directors of the Corporation shall be determined in the manner set forth in the Bylaws of the Corporation.

**SEVENTH:** Elections of directors need not be by written ballot unless the Bylaws of the Corporation shall so provide.

**EIGHTH:** Meetings of stockholders may be held within or without the State of Delaware, as the Bylaws of the Corporation may provide. The books of the Corporation may be kept outside the State of Delaware at such place or places as may be designated from time to time by the Board or in the Bylaws of the Corporation.

**NINTH:** To the fullest extent permitted by law, a director of the Corporation shall not be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director. If the General Corporation Law or any other law of the State of Delaware is amended after approval by the stockholders of this Article Ninth to authorize corporate action further eliminating or limiting the personal liability of directors, then the liability of a director of the Corporation shall be eliminated or limited to the fullest extent permitted by the General Corporation Law as so amended.

Any repeal or modification of the foregoing provisions of this Article Ninth by the stockholders of the Corporation shall not adversely affect any right or protection of a director of the Corporation existing at the time of, or increase the liability of any director of the Corporation with respect to any acts or omissions of such director occurring prior to, such repeal or modification.

**TENTH:** To the fullest extent permitted by applicable law, the Corporation is authorized to provide indemnification of (and advancement of expenses to) directors, officers and agents of the Corporation (and any other persons to which General Corporation Law permits the Corporation to provide indemnification) through Bylaw provisions, agreements with such agents or other persons, vote of stockholders or disinterested directors or otherwise, in excess of the indemnification and advancement otherwise permitted by Section 145 of the General Corporation Law, subject only to limits created under the General Corporation Law (statutory or non-statutory), with respect to actions for breach of duty to the Corporation, its stockholders and others.

Any amendment, repeal or modification of the foregoing provisions of this Article Tenth shall not adversely affect any right or protection of any director, officer or other agent of the Corporation existing at the time of, or increase the liability of any director of the Corporation with respect to any acts or omissions of such director, officer or agent occurring prior to, such amendment, repeal or modification.

**ELEVENTH:** The Corporation renounces, to the fullest extent permitted by law, any interest or expectancy of the Corporation in, or in being offered an opportunity to participate in, any Excluded Opportunity. An “**Excluded Opportunity**” is any matter, transaction or interest that is presented to, or acquired, created or developed by, or which otherwise comes into the possession of (i) any director of the Corporation who is not an employee of the Corporation or any of its subsidiaries, or (ii) any holder of Preferred Stock or any partner, member, director, stockholder, employee or agent of any such holder, other than someone who is an employee of the Corporation or any of its subsidiaries (collectively, “**Covered Persons**”), unless such matter, transaction or interest is presented to, or acquired, created or developed by, or otherwise comes into the possession of, a Covered Person expressly and solely in such Covered Person’s capacity as a director of the Corporation while such Covered Person is performing services in such capacity. Any repeal or modification of this Article Eleventh will only be prospective and will not affect the rights under this Article Eleventh in effect at the time of the occurrence of any actions or omissions to act giving rise to liability. Notwithstanding anything to the contrary contained elsewhere in this Certificate of Incorporation, the affirmative vote of the Requisite Preferred Holders will be required to amend or repeal, or to adopt any provisions inconsistent with this Article Eleventh.

**TWELFTH:** Unless the Corporation consents in writing to the selection of an alternative forum, the Court of Chancery in the State of Delaware shall be the sole and exclusive forum for any stockholder (including a beneficial owner) to bring (i) any derivative action or proceeding brought on behalf of the Corporation, (ii) any action asserting a claim of breach of fiduciary duty owed by any director, officer or other employee of the Corporation to the Corporation or the Corporation’s stockholders, (iii) any action asserting a claim against the Corporation, its directors, officers or employees arising pursuant to any provision of the Delaware General Corporation Law or the Corporation’s certificate of incorporation or bylaws or (iv) any action asserting a claim against the Corporation, its directors, officers or employees governed by

the internal affairs doctrine, except for, as to each of (i) through (iv) above, any claim as to which the Court of Chancery' determines that there is an indispensable party not subject to the jurisdiction of the Court of Chancery (and the indispensable party does not consent to the personal jurisdiction of the Court of Chancery within ten days following such determination), which is vested in the exclusive jurisdiction of a court or forum other than the Court of Chancery, or for which the Court of Chancery does not have subject matter jurisdiction. If any provision or provisions of this Article Twelfth shall be held to be invalid, illegal or unenforceable as applied to any person or entity or circumstance for any reason whatsoever, then, to the fullest extent permitted by law, the validity, legality and enforceability of such provisions in any other circumstance and of the remaining provisions of this Article Twelfth (including, without limitation, each portion of any sentence of this Article Twelfth containing any such provision held to be invalid, illegal or unenforceable that is not itself held to be invalid, illegal or unenforceable) and the application of such provision to other persons or entities and circumstances shall not in any way be affected or impaired thereby.

**THIRTEENTH:** For purposes of Section 500 of the California Corporations Code (to the extent applicable), in connection with any repurchase of shares of Common Stock permitted under this Certificate of Incorporation from employees, officers, directors or consultants of the Corporation in connection with a termination of employment or services pursuant to agreements or arrangements approved by the Board (in addition to any other consent required under this Certificate of Incorporation), such repurchase may be made without regard to any "preferential dividends arrears amount" or "preferential rights amount" (as those terms are defined in Section 500 of the California Corporations Code). Accordingly, for purposes of making any calculation under California Corporations Code Section 500 in connection with such repurchase, the amount of any "preferential dividends arrears amount" or "preferential rights amount" (as those terms are defined therein) shall be deemed to be zero (0).

\* \* \*

3. That the foregoing amendment and restatement was approved by the holders of the requisite number of shares of this corporation in accordance with Section 228 of the General Corporation Law.

4. That this Third Amended and Restated Certificate of Incorporation, which restates and integrates and further amends the provisions of this corporation's Amended and Restated Certificate of Incorporation, as amended, has been duly adopted in accordance with Sections 242 and 245 of the General Corporation Law.

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**IN WITNESS WHEREOF**, this Third Amended and Restated Certificate of Incorporation has been executed by a duly authorized officer of this corporation on this 22<sup>nd</sup> day of November, 2019.

By: /s/ David M. Epstein

Name: David M. Epstein

Title: President & Chief Executive Officer

*[Signature Page to Third Amended and Restated Certificate of Incorporation.]*

**FOURTH AMENDED AND RESTATED  
CERTIFICATE OF INCORPORATION  
OF  
BLACK DIAMOND THERAPEUTICS, INC.**

Black Diamond Therapeutics, Inc., a corporation organized and existing under the laws of the State of Delaware (the "Corporation"), hereby certifies as follows:

1. The name of the Corporation is Black Diamond Therapeutics, Inc. The date of the filing of its original Certificate of Incorporation with the Secretary of State of the State of Delaware was September 20, 2016 (the "Original Certificate"). The name under which the Corporation filed the Original Certificate was ASET Therapeutics, Inc.
2. This Fourth Amended and Restated Certificate of Incorporation (the "Certificate") amends, restates and integrates the provisions of the Third Amended and Restated Certificate of Incorporation that was filed with the Secretary of State of the State of Delaware on November 22, 2019 (the "Amended and Restated Certificate"), and was duly adopted in accordance with the provisions of Sections 228, 242 and 245 of the General Corporation Law of the State of Delaware (the "DGCL").
3. The text of the Amended and Restated Certificate is hereby amended and restated in its entirety to provide as herein set forth in full.

ARTICLE I

The name of the Corporation is Black Diamond Therapeutics, Inc.

ARTICLE II

The address of the Corporation's registered office in the State of Delaware is c/o Cogency Global Inc., 850 New Burton Road, Suite 201, Dover, Delaware 19904. The name of its registered agent at such address is Cogency Global Inc.

ARTICLE III

The purpose of the Corporation is to engage in any lawful act or activity for which corporations may be organized under the DGCL.

ARTICLE IV

CAPITAL STOCK

The total number of shares of capital stock which the Corporation shall have authority to issue is five hundred and ten million (510,000,000), of which (i) five hundred million (500,000,000) shares shall be a class designated as common stock, par value \$0.0001 per share (the "Common Stock"), and (ii) ten million (10,000,000) shares shall be a class designated as undesignated preferred stock, par value \$0.0001 per share (the "Undesignated Preferred Stock").



Except as otherwise provided in any certificate of designations of any series of Undesignated Preferred Stock, the number of authorized shares of the class of Common Stock or Undesignated Preferred Stock may from time to time be increased or decreased (but not below the number of shares of such class outstanding) by the affirmative vote of the holders of a majority in voting power of the outstanding shares of capital stock of the Corporation irrespective of the provisions of Section 242(b)(2) of the DGCL.

The powers, preferences and rights of, and the qualifications, limitations and restrictions upon, each class or series of stock shall be determined in accordance with, or as set forth below in, this Article IV.

#### A. COMMON STOCK

Subject to all the rights, powers and preferences of the Undesignated Preferred Stock and except as provided by law or in this Certificate (or in any certificate of designations of any series of Undesignated Preferred Stock):

(a) the holders of the Common Stock shall have the exclusive right to vote for the election of directors of the Corporation (the "Directors") and on all other matters requiring stockholder action, each outstanding share entitling the holder thereof to one vote on each matter properly submitted to the stockholders of the Corporation for their vote; provided, however, that, except as otherwise required by law, holders of Common Stock, as such, shall not be entitled to vote on any amendment to this Certificate (or on any amendment to a certificate of designations of any series of Undesignated Preferred Stock) that alters or changes the powers, preferences, rights or other terms of one or more outstanding series of Undesignated Preferred Stock if the holders of such affected series of Undesignated Preferred Stock are entitled to vote, either separately or together with the holders of one or more other such series, on such amendment pursuant to this Certificate (or pursuant to a certificate of designations of any series of Undesignated Preferred Stock) or pursuant to the DGCL;

(b) dividends may be declared and paid or set apart for payment upon the Common Stock out of any assets or funds of the Corporation legally available for the payment of dividends, but only when and as declared by the Board of Directors or any authorized committee thereof; and

(c) upon the voluntary or involuntary liquidation, dissolution or winding up of the Corporation, the net assets of the Corporation shall be distributed pro rata to the holders of the Common Stock.

## B. UNDESIGNATED PREFERRED STOCK

The Board of Directors or any authorized committee thereof is expressly authorized, to the fullest extent permitted by law, to provide by resolution or resolutions for, out of the unissued shares of Undesignated Preferred Stock, the issuance of the shares of Undesignated Preferred Stock in one or more series of such stock, and by filing a certificate of designations pursuant to applicable law of the State of Delaware, to establish or change from time to time the number of shares of each such series, and to fix the designations, powers, including voting powers, full or limited, or no voting powers, preferences and the relative, participating, optional or other special rights of the shares of each series and any qualifications, limitations and restrictions thereof.

### ARTICLE V

#### STOCKHOLDER ACTION

1. Action without Meeting. Any action required or permitted to be taken by the stockholders of the Corporation at any annual or special meeting of stockholders of the Corporation must be effected at a duly called annual or special meeting of stockholders and may not be taken or effected by a written consent of stockholders in lieu thereof.

2. Special Meetings. Except as otherwise required by statute and subject to the rights, if any, of the holders of any series of Undesignated Preferred Stock, special meetings of the stockholders of the Corporation may be called only by the Board of Directors acting pursuant to a resolution approved by the affirmative vote of a majority of the Directors then in office, and special meetings of stockholders may not be called by any other person or persons. Only those matters set forth in the notice of the special meeting may be considered or acted upon at a special meeting of stockholders of the Corporation.

### ARTICLE VI

#### DIRECTORS

1. General. The business and affairs of the Corporation shall be managed by or under the direction of the Board of Directors except as otherwise provided herein or required by law.

2. Election of Directors. Election of Directors need not be by written ballot unless the By-laws of the Corporation (the "By-laws") shall so provide.

3. Number of Directors; Term of Office. The number of Directors of the Corporation shall be fixed solely and exclusively by resolution duly adopted from time to time by the Board of Directors. The Directors, other than those who may be elected by the holders of any series of Undesignated Preferred Stock, shall be classified, with respect to the term for which they severally hold office, into three classes. The initial Class I Directors of the Corporation shall be Alexander Mayweg and Rajeev Shah; the initial Class II Directors of the Corporation shall be Ali Behbahani, Garry Menzel and Samarth Kulkarni; and the initial Class III Directors of the Corporation shall be David Epstein and Bradley Bolzon. The mailing address of each person who is to serve initially as a director is c/o Black Diamond Therapeutics, Inc., 139 Main

Street, Suite 301, Cambridge, Massachusetts 02142. The initial Class I Directors shall serve for a term expiring at the annual meeting of stockholders to be held in 2020, the initial Class II Directors shall serve for a term expiring at the annual meeting of stockholders to be held in 2021, and the initial Class III Directors shall serve for a term expiring at the annual meeting of stockholders to be held in 2022. At each annual meeting of stockholders, Directors elected to succeed those Directors whose terms expire shall be elected for a term of office to expire at the third succeeding annual meeting of stockholders after their election. Notwithstanding the foregoing, the Directors elected to each class shall hold office until their successors are duly elected and qualified or until their earlier resignation, death or removal.

Notwithstanding the foregoing, whenever, pursuant to the provisions of Article IV of this Certificate, the holders of any one or more series of Undesignated Preferred Stock shall have the right, voting separately as a series or together with holders of other such series, to elect Directors at an annual or special meeting of stockholders, the election, term of office, filling of vacancies and other features of such directorships shall be governed by the terms of this Certificate and any certificate of designations applicable to such series.

4. Vacancies. Subject to the rights, if any, of the holders of any series of Undesignated Preferred Stock to elect Directors and to fill vacancies in the Board of Directors relating thereto, any and all vacancies in the Board of Directors, however occurring, including, without limitation, by reason of an increase in the size of the Board of Directors, or the death, resignation, disqualification or removal of a Director, shall be filled solely and exclusively by the affirmative vote of a majority of the remaining Directors then in office, even if less than a quorum of the Board of Directors, and not by the stockholders. Any Director appointed in accordance with the preceding sentence shall hold office for the remainder of the full term of the class of Directors in which the new directorship was created or the vacancy occurred and until such Director's successor shall have been duly elected and qualified or until his or her earlier resignation, death or removal. Subject to the rights, if any, of the holders of any series of Undesignated Preferred Stock to elect Directors, when the number of Directors is increased or decreased, the Board of Directors shall, subject to Article VI.3 hereof, determine the class or classes to which the increased or decreased number of Directors shall be apportioned; provided, however, that no decrease in the number of Directors shall shorten the term of any incumbent Director. In the event of a vacancy in the Board of Directors, the remaining Directors, except as otherwise provided by law, shall exercise the powers of the full Board of Directors until the vacancy is filled.

5. Removal. Subject to the rights, if any, of any series of Undesignated Preferred Stock to elect Directors and to remove any Director whom the holders of any such series have the right to elect, any Director (including persons elected by Directors to fill vacancies in the Board of Directors) may be removed from office (i) only with cause and (ii) only by the affirmative vote of the holders of not less than two thirds (2/3) of the outstanding shares of capital stock then entitled to vote at an election of Directors. At least forty-five (45) days prior to any annual or special meeting of stockholders at which it is proposed that any Director be removed from office, written notice of such proposed removal and the alleged grounds thereof shall be sent to the Director whose removal will be considered at the meeting.

ARTICLE VII

LIMITATION OF LIABILITY

A Director of the Corporation shall not be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a Director, except for liability (a) for any breach of the Director's duty of loyalty to the Corporation or its stockholders, (b) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (c) under Section 174 of the DGCL or (d) for any transaction from which the Director derived an improper personal benefit. If the DGCL is amended after the effective date of this Certificate to authorize corporate action further eliminating or limiting the personal liability of Directors, then the liability of a Director of the Corporation shall be eliminated or limited to the fullest extent permitted by the DGCL, as so amended.

Any amendment, repeal or modification of this Article VII by either of (i) the stockholders of the Corporation or (ii) an amendment to the DGCL, shall not adversely affect any right or protection existing at the time of such amendment, repeal or modification with respect to any acts or omissions occurring before such amendment, repeal or modification of a person serving as a Director at the time of such amendment, repeal or modification.

ARTICLE VIII

AMENDMENT OF BY-LAWS

1. Amendment by Directors. Except as otherwise provided by law, the By-laws of the Corporation may be amended or repealed by the Board of Directors by the affirmative vote of a majority of the Directors then in office.

2. Amendment by Stockholders. The By-laws of the Corporation may be amended or repealed at any annual meeting of stockholders, or special meeting of stockholders called for such purpose, by the affirmative vote of not less than two thirds (2/3) of the outstanding shares of capital stock entitled to vote on such amendment or repeal, voting together as a single class; provided, however, that if the Board of Directors recommends that stockholders approve such amendment or repeal at such meeting of stockholders, such amendment or repeal shall only require the affirmative vote of the majority of the outstanding shares of capital stock entitled to vote on such amendment or repeal, voting together as a single class.

ARTICLE IX

AMENDMENT OF CERTIFICATE OF INCORPORATION

The Corporation reserves the right to amend or repeal this Certificate in the manner now or hereafter prescribed by statute and this Certificate, and all rights conferred upon stockholders herein are granted subject to this reservation. Whenever any vote of the holders of capital stock of the Corporation is required to amend or repeal any provision of this Certificate, and in addition to any other vote of holders of capital stock that is required by this Certificate or by law, such amendment or repeal shall require the affirmative vote of the majority of the outstanding shares of capital stock entitled to vote on such amendment or repeal, and the affirmative vote of the majority of the outstanding shares of each class entitled to vote thereon as a class, at a duly constituted meeting of stockholders called expressly for such purpose; provided, however, that the affirmative vote of not less than two thirds (2/3) of the outstanding shares of capital stock entitled to vote on such amendment or repeal, and the affirmative vote of not less than two thirds (2/3) of the outstanding shares of each class entitled to vote thereon as a class, shall be required to amend or repeal any provision of Article V, Article VI, Article VII, Article VIII or Article IX of this Certificate.

*[End of Text]*

THIS FOURTH AMENDED AND RESTATED CERTIFICATE OF INCORPORATION is executed as of this \_\_ day of \_\_\_\_\_, 2020.

BLACK DIAMOND THERAPEUTICS, INC.

By: \_\_\_\_\_

Name: David M. Epstein

Title: President and Chief Executive Officer

## BYLAWS

## OF

ASET THERAPEUTICS, INC.  
(THE “CORPORATION”)

## ARTICLE I

Stockholders

SECTION 1. Annual Meetings. The annual meeting of the stockholders of the Corporation for the purpose of electing directors and for the transaction of such other business as may be brought before the meeting shall be held, in each year on such day, at such time and such place within or without the State of Delaware as shall be fixed by the Board of Directors and stated in the notice of the meeting.

SECTION 2. Special Meetings. Special meetings of the stockholders may be called at any time by the Board of Directors, by the Chairman of the Board, by the President or by any number of stockholders owning an aggregate of not less than fifty percent (50%) of the outstanding shares of capital stock entitled to vote. Special meetings shall be held on such day, at such time and such place either within or without the State of Delaware specified in the notice thereof.

SECTION 3. Notice of Meetings. Except as otherwise expressly required by law or the Certificate of Incorporation of the Corporation, written notice to stockholders stating the place and time of the meeting, and in the case of a special meeting, the purpose or purposes of such meeting, shall be given either by delivering a notice personally or mailing a notice to each stockholder of record entitled to vote thereat at such stockholder’s address as it appears on the records of the Corporation not less than ten (10) nor more than sixty (60) days prior to the meeting. No business other than that stated in the notice shall be transacted at any special meeting. Notice of any meeting of stockholders shall not be required to be given to any stockholder who shall attend such meeting in person or be represented by proxy; and if any stockholder shall, in person or by attorney thereunto duly authorized, in writing or by electronic mail or facsimile, waive notice of any meeting, whether before or after such meeting be held, the notice thereof need not be given to such stockholder. Notice of any adjourned meeting of stockholders need not be given except as provided in Section 5 of this Article I.

SECTION 4. Quorum. At any meeting of the stockholders, the holders of a majority of all of the shares of the stock entitled to vote at the meeting, present in person or by proxy, shall constitute a quorum for all purposes, unless or except to the extent that the presence of a larger number may be required by law. Where a separate vote by a class or classes is required, a majority of the shares of such class or classes present in person or represented by proxy shall constitute a quorum entitled to take action with respect to that vote on that matter.

SECTION 5. Adjournment. At any meeting of stockholders, whether or not there shall be a quorum present, the holders of a majority of shares voting at the meeting, whether present in person at the meeting or represented by proxy at the meeting, may adjourn the meeting to another place, date, or

time. Except as otherwise provided by law, notice of such adjourned meeting need not be given otherwise than by announcement of the time and place of such adjourned meeting at the meeting at which the adjournment is taken. At any adjourned meeting at which a quorum shall be present, any business may be transacted which might have been transacted at the original meeting.

SECTION 6. Organization. The Chairman of the Board, or in his absence or nonelection, the President, or in the absence of both of the foregoing officers, a Vice President, shall call meetings of the stockholders to order, and shall act as Chairman of such meetings. In the absence of the Chairman of the Board, the President, or a Vice President, the holders of a majority in number of the shares of the capital stock of the Corporation present in person or represented by proxy and entitled to vote at such meeting shall elect a chairman, who may be the Secretary of the Corporation. The Secretary of the Corporation shall act as secretary of all meetings of the stockholders, but in the absence of the Secretary, the Chairman may appoint any person to act as secretary of the meeting.

SECTION 7. Voting. Each stockholder of record, as determined in accordance with Section 4 of Article V hereof, shall, except as otherwise provided by law or by the Certificate of Incorporation, at every meeting of the stockholders be entitled to one vote in person or by proxy for each share of capital stock entitled to vote held by such stockholder, but no proxy shall be voted on after three years from its date, unless said proxy provides for a longer period. Unless otherwise provided by law or the Certificate of Incorporation, no vote upon any matter before the meeting, including the election of directors, need be by ballot; provided, however, that upon the demand of any stockholder, the vote for directors and the vote upon any matter before the meeting, shall be by ballot. Except as otherwise provided by law, by the Certificate of Incorporation, by these Bylaws, or in the Stockholders' Agreement, if any, among the Corporation and the stockholders party thereto (as may be amended from time to time, the "**Stockholders' Agreement**"), all elections for directors shall be decided by plurality vote and all other matters shall be decided by a majority of the votes cast thereon.

SECTION 8. Stockholders List. A complete list of the stockholders entitled to vote at any meeting of the stockholders, with the address of each, and the number of shares held by each, shall be open to the examination of any stockholder, for any purpose germane to the meeting, during ordinary business hours, for a period of at least ten (10) days prior to the meeting, either at a place within the city where the meeting is to be held, which place shall be specified in the notice of the meeting, or, if not so specified, at the place where the meeting is to be held. The list shall also be produced and kept at the time and place of the meeting during the whole time thereof, and may be inspected by any stockholder who is present.

SECTION 9. Addresses of Stockholders. Each stockholder shall designate to the Secretary of the Corporation an address to which notices of meetings and all other corporate notices may be served upon or mailed to such stockholder, and if any stockholder shall fail to designate such address, corporate notices may be served upon such stockholder by mail or electronic mail directed to such stockholder at such stockholder's last known post office or electronic mail address.

SECTION 10. Consent of Stockholders in Lieu of Meeting. Except as otherwise provided by law, by the Certificate of Incorporation, by these Bylaws, or in the Stockholders' Agreement, any action required to be taken, or which may be taken, at any meeting of stockholders may be taken without



a meeting, without prior notice and without a vote, if a consent in writing, setting forth the action so taken, shall be signed by the holders of shares of outstanding stock having not less than the minimum number of votes that would be necessary to authorize or take such action at a meeting at which all shares of stock entitled to vote thereon were present and voted; *provided*, that prompt notice of the taking of corporate action without a meeting by less than unanimous written consent shall be given to those stockholders who have not consented in writing.

## ARTICLE II

### Board of Directors

SECTION 1. General Powers. The property, affairs and business of the Corporation shall be managed by or under the direction of the Board of Directors. The Board of Directors may exercise all the powers of the Corporation and do all lawful acts and things which are not reserved to the stockholders by law or by the Certificate of Incorporation.

SECTION 2. Number, Election, Tenure and Qualification. Except as otherwise specified in the Certificate of Incorporation of the Corporation, the number of directors which shall constitute the whole board shall be determined by resolution of the Board of Directors or by the stockholders at the annual meeting or at any special meeting of stockholders; *provided, however*, that the total number of directors which shall constitute the whole board shall under no circumstances exceed nine (9). Except as provided in Section 11 of this Article II, the directors shall be elected by the stockholders at the annual meeting or at any special meeting of the stockholders. Each director elected shall hold office until his or her successor is elected and qualified, unless sooner displaced. Directors need not be stockholders.

SECTION 3. Quorum and Manner of Action. Except as otherwise provided by statute, by these Bylaws, or in the Stockholders' Agreement, a majority of the number of the Board of Directors shall be required to constitute a quorum for the transaction of business at any meeting, and the act of a majority of the directors present at any meeting at which a quorum is present shall be the act of the Board of Directors. In the absence of a quorum, a majority of the directors present may adjourn any meeting from time to time until a quorum be had. Notice of any adjourned meeting need not be given if the time and place thereof are announced at the meeting at which adjournment is taken. The directors shall act only as a board and individual directors shall have no power as such.

SECTION 4. Place of Meeting, etc. The Board of Directors may hold its meetings, have one or more offices, and keep the books and records of the Corporation, at such place or places within or without the State of Delaware, as the Board of Directors may from time to time determine or as shall be specified or fixed in the respective notices or waivers of notice hereof.

SECTION 5. Regular Meetings. The Board of Directors shall convene formally no less often than on a quarterly basis. Directors shall be permitted to attend any meeting of the Board of Directors either in person or by teleconference or video conference.

SECTION 6. Special Meetings; Notice and Waiver of Notice. Special meetings of the Board of Directors may be called by any director. The Secretary or an Assistant Secretary shall give notice of the time and place of each special meeting by mailing a written notice of the same to each director at his last known post office address or usual place of business at least three business days before the meeting or by causing the same to be delivered personally or to be transmitted by facsimile, telephone, electronic mail or orally at least three business days before the meeting to each director. Neither the business to be transacted at, nor the purpose of any special meeting of the Board of Directors need be specified in any notice or written waiver of notice unless so required by law, the Certificate of Incorporation or these Bylaws. Notice of any meeting of the Board of Directors need not be given to any director if he shall sign a written waiver thereof either before or after the time stated therein, or if he shall be present at the meeting and participate in the business transacted thereat, except if a director attends for the purpose of objecting, at the beginning of the meeting, to the transaction of any business because the meeting is not lawfully called or convened. Any meeting of the Board of Directors shall be a legal meeting without any notice thereof having been given if all of the members shall be present thereat. Unless limited by law, by the Certificate of Incorporation, by these Bylaws, or by the terms of the notice thereof, any and all business may be transacted at any special meeting.

SECTION 7. Action by Consent. Any action required or permitted to be taken at any meeting of the Board of Directors or of any committee thereof may be taken without a meeting, if a written consent thereto is signed by all members of the Board of Directors or of such committee, as the case may be, and such written consent is filed with the minutes or proceedings of the Board of Directors or committee thereof.

SECTION 8. Organization. At each meeting of the Board of Directors, the Chairman of the Board, or, in his absence or nonelection, the President, or, in the absence of both of the foregoing officers, a director chosen by a majority of the directors shall act as chairman. The secretary, or in his absence, an Assistant Secretary, or in the absence of both the Secretary and Assistant Secretaries, any person appointed by the Chairman shall act as secretary of the meeting.

SECTION 9. Resignations. Any director of the Corporation may resign at any time by giving written notice to the Board of Directors or to the President or to the Secretary of the Corporation. The resignation of any director shall take effect immediately unless a date is specified therein for it to take effect, in which event it shall be effective upon such date, and the acceptance of such resignation shall not be necessary to make it effective, irrespective of whether the resignation is tendered subject to such acceptance.

SECTION 10. Removal of Directors. Subject to the rights of any class or series of capital stock of the Corporation to elect directors under specified circumstances set forth in the Certificate of Incorporation or the Stockholders' Agreement, any director may be removed from office, with or without cause, at any time, by the affirmative vote of a majority in interest of the holders of record of the stock having voting power at a special meeting of the stockholders called for the purpose, and the vacancy in the Board of Directors caused by any such removal may, subject to the provisions of the Certificate of Incorporation and Stockholders' Agreement, be filled by the stockholders at such meeting or filled by the Board of Directors in the manner provided in Section 11 of this Article II.

SECTION 11. Vacancies. Subject to the Certificate of Incorporation, any vacancy in the Board of Directors caused by death, resignation, removal, disqualification, an increase in the number of

Directors, or any other cause may be filled by the affirmative vote of a majority of the remaining Directors, even though less than a quorum, by a sole remaining director or by the stockholders of the Corporation at the next annual meeting of stockholders or any special meeting called for the purpose. Except as otherwise provided by the Certificate of Incorporation, each director so elected shall hold office for the remainder of the full term of the class of Directors in which the vacancy occurred or to which the new directorship was apportioned pursuant to Section 2 of this Article II and until his successor, if any, shall have been duly elected and shall have qualified, or until his death or until he shall have resigned or shall have been removed in the manner herein provided. No decrease in the number of Directors constituting the Board of Directors shall shorten the term of any incumbent director. In case all the directors shall die or resign or be removed or be disqualified, any stockholder having voting powers may call a special meeting of the stockholders, upon notice given as herein provided for meetings of the stockholders, at which Directors may be elected for the unexpired term.

SECTION 12. Compensation of Directors. Directors, as such, shall receive such sum for their services and expenses as may be directed by resolution of the Board of Directors; provided, that nothing herein contained shall be construed to preclude any director from serving the Corporation in any other capacity and receiving compensation therefor. Members of special or standing committees may be allowed like compensation for their services and expenses.

SECTION 13. Committees. By resolution or resolutions passed by a majority of the whole Board of Directors at any meeting of the Board of Directors, the directors may designate one or more committees, including without limitation executive, audit and compensation committees. Each committee shall consist of two or more Directors. To the extent provided in said resolution or resolutions, unless otherwise provided by law, such committee or committees shall have and may exercise all of the powers of the Board of Directors in the management of the business and affairs of the Corporation, including without limitation the power and authority to authorize the seal of the Corporation to be affixed to all papers which may require it, except that no such committee shall have any power or authority with respect to (1) amending the Certificate of Incorporation of the Corporation or these Bylaws, (ii) approving or recommending to the stockholders of the Corporation any agreement or plan of merger or consolidation, any sale, lease or exchange of all or substantially all of the property and assets of the Corporation or the dissolution or liquidation of the Corporation (or the abandonment or revocation thereof), or (iii) the declaration of dividends and the authorization of the issuance of shares of capital stock of the Corporation. The Board of Directors may designate one or more Directors as alternate members of a committee who may replace an absent or disqualified member at any meeting. In the absence or disqualification of a member of a committee, the member or members thereof present at any meeting and not disqualified from voting, whether or not he or they constitute a quorum, may unanimously appoint another member of the Board of Directors to act at the meeting in the place of any such absent or disqualified member. A committee may make such rules for the conduct of its business and may appoint such committees and assistants as it shall from time to time deem necessary for the transaction of business of such committee. Regular meetings of a committee shall be held at such times as such committee shall from time to time by resolution determine.

SECTION 14. Participation in Meetings. Members of the Board of Directors or of any committee may participate in any meeting of the Board of Directors or committee, as the case may be, by means of conference telephone or similar communication equipment by means of which all persons participating in the meeting can hear each other, and such participation shall constitute presence in person at such meeting.

## ARTICLE III

### Officers

SECTION 1. Executive Officers. The officers of the Corporation shall be a President, a Treasurer, and a Secretary. In addition, the Board of Directors may elect a Chairman of the Board and such other officers as may be appointed in accordance with the provisions of Section 3 of this Article III. Any number of offices may be held by the same person. Whenever any officer of the Corporation ceases to be an employee of the Corporation and of all corporations which control or are under common control with the Corporation, such officer shall thereupon also cease to be an officer of the Corporation without any further action on his part or on the part of the Board of Directors or the Chairman.

SECTION 2. Election, Term of Office and Qualification. So far as is practicable, the officers shall be elected annually by the Board of Directors at their first meeting after each annual meeting of stockholders of the Corporation. Each officer, except such officers as may be appointed in accordance with the provisions of Section 3 of this Article III, shall hold office until his successor shall have been duly elected and shall have qualified in his stead, or until his death or until he shall have resigned or shall have become disqualified or shall have been removed in the manner hereinafter provided. The Chairman of the Board shall be chosen from among the directors.

SECTION 3. Subordinate Officers. The Board of Directors or the President may from time to time appoint such other officers, including one or more Vice Presidents, one or more Assistant Treasurers and one or more Assistant Secretaries, and such agents and employees of the Corporation as may be deemed necessary or desirable. Such officers, agents and employees shall hold office for such period and upon such terms and conditions, have such authority and perform such duties as provided in these Bylaws or as the Board of Directors or the President may from time to time prescribe. The Board of Directors or the President may from time to time authorize any officer to appoint and remove agents and employees and to prescribe the powers and duties thereof.

SECTION 4. Removal. Any officer may be removed, either with or without cause, by the Board of Directors or, except in the case of any officer elected by the Board of Directors, by any committee or superior officer upon whom the power of removal may be conferred by the Board of Directors or by these Bylaws.

SECTION 5. Resignations. Any officer may resign at any time by giving written notice to the Board of Directors or to the President or to the Secretary. Any such resignation shall take effect immediately unless a date certain is specified therein for it to take effect, in which event it shall be effective upon such date, and the acceptance of such resignation shall not be necessary to make it effective, irrespective of whether the resignation is tendered subject to such acceptance.

SECTION 6. Vacancies. A vacancy in any office because of death, resignation, removal, disqualification or any other cause shall be filled for the unexpired portion of the term in the manner prescribed in the Bylaws for the regular election or appointment to such office.

SECTION 7. The Chairman of the Board. The Chairman of the Board, if one be elected, shall preside, if present, at all meetings of the stockholders and at all meetings of the Board of Directors and he shall perform such other duties and have such other powers as may from time to time be designated and assigned to him by the Board of Directors.

SECTION 8. The President. The President shall have general direction of the affairs of the Corporation and general supervision over its several officers, subject, however, to the control of the Board of Directors. He shall at each annual meeting of stockholders and from time to time report to the stockholders and to the Board of Directors all matters within his knowledge which the interest of the Corporation may require to be brought to their notice; may sign with the Treasurer or an Assistant Treasurer or the Secretary or an Assistant Secretary any or all certificates of stock of the Corporation; in the absence of the Chairman of the Board, shall preside at all meetings of the stockholders and at all meetings of the Board of Directors; shall have the power to sign and execute in the name of the Corporation all contracts, or other instruments authorized by the Board of Directors, and in general shall perform all duties incident to the office of President and such other duties as from time to time may be assigned to him by the Board of Directors or as are prescribed by these Bylaws.

SECTION 9. The Vice Presidents. Each Vice President shall have such powers and shall perform such duties as may from time to time be assigned to him by the Board of Directors or by the President; and shall have the power to sign and execute in the name of the Corporation all contracts or other instruments authorized by the Board of Directors, except where the Board of Directors or the Bylaws shall expressly delegate or permit some other officer to do so. A Vice President may also sign with the Treasurer or an Assistant Treasurer or the Secretary or an Assistant Secretary, certificates of stock of the Corporation.

SECTION 10. The Secretary. The Secretary shall keep or cause to be kept the minutes of the meetings of the stockholders, of the Board of Directors and of any committee when so required; shall see that all notices are duly given in accordance with the provisions of these Bylaws and as required by law; shall be custodian of the corporate records and of the seal of the Corporation and see that the seal is affixed to all documents on which it is required, the execution of which on behalf of the Corporation under its seal is duly authorized in accordance with the provisions of the Bylaws; shall keep or cause to be kept a register of the post office address of each stockholder; may sign with the President or Vice President certificates of stock of the Corporation; and, in general, the Secretary shall perform all duties incident to the office of Secretary and such other duties as may from time to time be assigned to him by the Board of Directors or by the President.

SECTION 11. Assistant Secretaries. At the request of the Secretary, or in his absence or disability, an Assistant Secretary shall perform the duties of the Secretary and, when so acting, shall have all the powers of, and be subject to all the restrictions upon, the Secretary. An Assistant Secretary shall perform such other duties as from time to time may be assigned to him by the President, the Secretary or the Board of Directors.

SECTION 12. The Treasurer. The Treasurer shall have charge and custody of, and be responsible for, all funds and securities of the Corporation, and deposit all such funds in the name of the Corporation in such banks, trust companies or other depositories as shall be selected in accordance with the provisions of these Bylaws; at all reasonable times exhibit his books of account and records, and cause to be exhibited the books of account and records of any corporation controlled by the Corporation, to any of the directors of the Corporation upon application during business hours at the office of the Corporation, or such other corporation where such books and records are kept; render a statement of the condition of the finances of the Corporation at all regular meetings of the Board of Directors and a full financial report at the annual meeting of stockholders, if called upon to do so; receive and give receipts for moneys due and payable to the Corporation from any source whatsoever; may sign with the President or Vice President certificates of stock of the Corporation; and, in general, perform all the duties incident to the office of Treasurer and such other duties as from time to time may be assigned to him by the Board of Directors or the President.

SECTION 13. Assistant Treasurers. At the request of the Treasurer, or in his absence or disability, an Assistant Treasurer shall perform the duties of the Treasurer, and, when so acting, shall have all the powers of, and be subject to all the restrictions upon, the Treasurer. An Assistant Treasurer shall perform such duties as from time to time may be assigned to him by the President, the Treasurer or the Board of Directors.

SECTION 14. Salaries. The salaries of the officers shall be fixed from time to time by the Board of Directors. No officer shall be prevented from receiving such salary by reason of the fact that he is also a director of the Corporation.

#### ARTICLE IV

##### Contracts, Checks, Drafts, Bank Accounts, Etc.

SECTION 1. Contracts, etc.; How Executed. The Board of Directors, except as otherwise provided in these Bylaws, may authorize any officer or agent of the Corporation to enter into any contract or execute and deliver any instrument in the name of and on behalf of the Corporation, and such authority may be general or confined to specific instances; and, unless so authorized by the Board of Directors or by such Committee or by these Bylaws, no agent or employee, other than an officer of the Corporation acting within the scope of his authority, shall have any power or authority to bind the Corporation by any contract or engagement or to pledge its credit or to render it liable for any purpose or to any amount.

SECTION 2. Checks Drafts, etc. All checks, drafts or other orders for the payment of money and all notes or other evidences of indebtedness issued in the name of the Corporation shall be signed by such officer or officers, employee or employees of the Corporation as shall from time to time be determined by resolution of the Board of Directors.

SECTION 3. Deposits. All funds of the Corporation shall be deposited from time to time to the credit of the Corporation in such banks, trust companies or other depositories as the Board of Directors may from time to time designate, or as may be designated by any officer or officers of the Corporation to whom such power may be delegated by the Board of Directors, and for the purpose of such deposit, the President, or a Vice President, or the Treasurer or an Assistant Treasurer, or the Secretary or an Assistant Secretary may endorse, assign and deliver checks, drafts and other orders for the payment of money which are payable to the order of the Corporation.

SECTION 4. General and Special Bank Accounts. The Board of Directors may from time to time authorize the opening and keeping with such banks, trust companies or other depositories as it may designate, general and special bank accounts, and may make such special rules and regulations with respect thereto, not inconsistent with the provisions of these Bylaws, as it may deem expedient.

SECTION 5. Proxies. Except as otherwise provided in these Bylaws or in the Certificate of Incorporation of the Corporation, and unless otherwise provided by resolution of the Board of Directors, the President may from time to time appoint an attorney or attorneys, or agent or agents, of the Corporation, in the name of and on behalf of the Corporation, to cast the votes which the Corporation may be entitled to cast as a stockholder or otherwise of any other corporation any of whose stock or other securities may be held by the Corporation at meetings of the holders of the stock or other securities of such other corporation, or to consent in writing to any action by such other corporation, and may instruct the person or persons so appointed as to the manner of casting such votes or giving such consent, and may execute or cause to be executed in the name of and on behalf of the Corporation and under its corporate seal, or otherwise, all such written proxies or other instruments as he may deem necessary or proper in the premises.

## ARTICLE V

### Stock and Transfer of Stock

SECTION 1. Certificates of Stock. Certificates for shares of the capital stock of the Corporation shall be in such form, not inconsistent with law, as shall be approved by the Board of Directors. They shall be numbered in order of their issue, and shall be signed by the President or a Vice President and by the Treasurer or an Assistant Treasurer or the Secretary or an Assistant Secretary of the Corporation, and the seal of the Corporation shall be affixed thereto. The signatures of any of such officers and the seal of the Corporation upon such certificate may be facsimiles. In case any officer, transfer agent or registrar who has signed or whose facsimile signature has been placed upon a certificate shall have ceased to be such officer, transfer agent or registrar before such certificate is issued, it may nevertheless be issued and delivered by the Corporation with the same effect as if he were such officer, transfer agent or registrar.

SECTION 2. Transfers of Stock. Transfers of shares of the capital stock of the Corporation shall be made only on the books of the Corporation by the holder thereof, or by his attorney thereunto authorized by a power of attorney duly executed and filed with the Secretary of the Corporation or with a transfer agent of the Corporation, if any, and on surrender of the certificate or certificates for such shares properly endorsed. A person in whose name shares of stock stand on the books of the Corporation shall be deemed the owner thereof, and the Corporation shall not be bound to recognize any equitable or other claim to, or interest in, such shares on the part of any other person, whether or not it shall have express or other notice thereof, except as otherwise provided by the laws of the State of Delaware.

SECTION 3. Lost, Destroyed and Mutilated Certificates. The holder of any stock issued by the Corporation shall immediately notify the Corporation of any loss, destruction or mutilation of the certificate therefor, or failure to receive a certificate of stock issued by the Corporation, and the Board of Directors or the Secretary of the Corporation may, in its or his discretion, cause to be issued to such holder of stock a new certificate or certificates of stock upon compliance with such rules, regulations and/or procedures as may have been prescribed by the Board of Directors with respect to the issuance of new certificates in lieu of such other certificate or certificates of stock.

SECTION 4. Fixing Date for Determination of Stockholders of Record. In order that the Corporation may determine the stockholders entitled to notice of or to vote at any meeting of stockholders or any adjournment thereof, or to express consent to corporate action in writing without a meeting, or entitled to receive payment of any dividend or other distribution or allotment of rights, or entitled to exercise any rights in respect of any change, conversion or exchange of stock or for the purpose of any other lawful action, the Board of Directors may fix, in advance, a record date which shall not be more than sixty (60) nor less than ten (10) days before the date of such meeting, nor more than sixty (60) days prior to any other action, and such stockholders and only such stockholders as shall be entitled to such notice of, and to vote at, such meeting and (except as provided in Section 4 of Article I hereof) any adjournment thereof, or to express consent to any such corporate action, or to receive payment of such dividend, or to receive allotment of rights, or to exercise such rights, as the case may be, notwithstanding any transfer of any stock on the books of the Corporation after any such record date fixed as aforesaid.

## ARTICLE VI

### Seal

The Board of Directors shall provide a suitable seal containing the name of the Corporation, which seal shall be in the charge of the Secretary and which may be used by causing it or a facsimile thereof to be impressed or affixed or in any other manner reproduced. If and when so directed by the Board of Directors, a duplicate of the seal may be kept and be used by any officer of the Corporation designated by the Board.

## ARTICLE VII

### Miscellaneous Provisions

SECTION 1. Fiscal Year. The fiscal year of the Corporation shall end on such date in each year as shall be determined by resolution of the Board of Directors of the Corporation.

SECTION 2. Waivers of Notice. Whenever any notice is required to be given by law, or under the provisions of the Certificate of Incorporation or of these Bylaws, a waiver thereof in writing, signed by the person or persons entitled to said notice, whether before or after the time stated therein, shall be deemed equivalent thereto.

SECTION 3. Qualifying in Foreign Jurisdictions. The Board of Directors shall have the power at any time and from time to time to take or cause to be taken any and all measures which they may deem necessary for qualification to do business as a foreign corporation in any one or more foreign jurisdictions and for withdrawal therefrom.



SECTION 4. Indemnification. The Corporation shall, to the full extent permitted by the General Corporation Law of Delaware and the Certificate of Incorporation, in each case as amended from time to time, indemnify all persons whom it has the power to indemnify pursuant thereto. Without limiting the generality of the foregoing:

(a) The Corporation shall indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the Corporation) by reason of the fact that he is or was a director, officer, employee or agent of the Corporation, or is or was serving at the request of the Corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by him in connection with such action, suit or proceeding if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the Corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe his conduct was unlawful. The termination of any action, suit or proceeding by judgment, order, settlement, conviction or upon a plea of *nolo contendere* or its equivalent, shall not, of itself, create a presumption that the person did not act in good faith and in a manner which he reasonably believed to be in or not opposed to the best interests of the Corporation and, with respect to any criminal action or proceeding, had reasonable cause to believe that his conduct was unlawful.

(b) The Corporation shall indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the Corporation to procure a judgment in its favor by reason of the fact that he is or was a director, officer, employee or agent of the Corporation, or is or was serving at the request of the Corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against expenses (including attorneys' fees) actually and reasonably incurred by him in connection with the defense or settlement of such action or suit if he acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the Corporation and except that no indemnification shall be made in respect of any claim, issue or matter as to which such person shall have been adjudged to be liable for negligence or misconduct in the performance of his duty to the Corporation unless and only to the extent that the Delaware Court of Chancery or the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which the Delaware Court of Chancery or such other court shall deem proper.

(c) To the extent that a director, officer, employee or agent of the Corporation has been successful on the merits or otherwise in defense of any action, suit or proceeding referred to in paragraphs (a) and (b), or in defense of any claim, issue or matter therein, he shall be indemnified against expenses (including attorneys' fees) actually and reasonably incurred by him in connection therewith.

(d) Any indemnification under paragraphs (a) and (b) (unless ordered by a court) shall be made by the Corporation only as authorized in the specific case upon a determination that indemnification of the director, officer, employee or agent is proper in the circumstances because he has met the applicable standard of conduct set forth in paragraphs (a) and (b). Such

determination shall be made (1) by the Board of Directors by a majority vote of a quorum consisting of directors who were not parties to such action, suit or proceeding, or (2) if such a quorum is not obtainable, or, even if obtainable a quorum of disinterested directors so directs, by independent legal counsel in a written opinion, or (3) by the stockholders.

(e) Expenses (including attorneys' fees) incurred in defending any civil, criminal, administrative or investigative action, suit or proceeding may be paid by the Corporation in advance of the final disposition of such action, suit or proceeding as authorized by the Board of Directors in the specific case upon receipt of an undertaking by or on the behalf of the director, officer, employee or agent to repay such amount unless it shall ultimately be determined that he is entitled to be indemnified by the Corporation as authorized in this Section.

(f) The indemnification provided by this Section shall not have been deemed exclusive of any other rights to which those seeking indemnification may be entitled under any by-law, agreement, vote of stockholders or disinterested directors or otherwise, both as to action in his official capacity and as to action in another capacity while holding such office, and shall continue as to a person who has ceased to be a director, officer, employee or agent and shall inure to the benefit of the heirs, executors and administrators of such a person.

(g) The Corporation shall have power to purchase and maintain insurance on behalf of any person who is or was a director, officer, employee or agent of the Corporation, or is or was serving at the request of the Corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against any liability asserted against him and incurred by him in any such capacity, or arising out of his status as such, whether or not the Corporation would have the power to indemnify him against such liability under the provisions of this Section.

(h) For the purposes of this Section, references to "the Corporation" include all constituent corporations absorbed in a consolidation or merger as well as the resulting or surviving corporation so that any person who is or was a director, officer, employee or agent of such a constituent corporation or is or was serving at the request of such constituent corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise shall stand in the same position under the provisions of this Section with respect to the resulting or surviving corporation as he would if he had served the resulting or surviving corporation in the same capacity.

## **ARTICLE VIII**

### **Amendments**

Subject to the restrictions contained in the Certificate of Incorporation and any Certificate of Designation filed pursuant to Section B. of Article Fourth of the Certificate of Incorporation, all Bylaws of the Corporation shall be subject to amendment, alteration or repeal, and new Bylaws not inconsistent with any provision of the Certificate of Incorporation of the Corporation or any provision of law may be made by the affirmative vote of the majority of the Board of Directors.

**AMENDED AND RESTATED**  
**BY-LAWS**  
**OF**  
**BLACK DIAMOND THERAPEUTICS, INC.**

(the "Corporation")

ARTICLE I

Stockholders

SECTION 1. Annual Meeting. The annual meeting of stockholders (any such meeting being referred to in these By-laws as an "Annual Meeting") shall be held at the hour, date and place within or without the United States which is fixed by the Board of Directors, which time, date and place may subsequently be changed at any time by vote of the Board of Directors. If no Annual Meeting has been held for a period of thirteen (13) months after the Corporation's last Annual Meeting, a special meeting in lieu thereof may be held, and such special meeting shall have, for the purposes of these By-laws or otherwise, all the force and effect of an Annual Meeting. Any and all references hereafter in these By-laws to an Annual Meeting or Annual Meetings also shall be deemed to refer to any special meeting(s) in lieu thereof.

SECTION 2. Notice of Stockholder Business and Nominations.

(a) Annual Meetings of Stockholders.

(1) Nominations of persons for election to the Board of Directors of the Corporation and the proposal of other business to be considered by the stockholders may be brought before an Annual Meeting (i) by or at the direction of the Board of Directors or (ii) by any stockholder of the Corporation who was a stockholder of record at the time of giving of notice provided for in this By-law, who is entitled to vote at the meeting, who is present (in person or by proxy) at the meeting and who complies with the notice procedures set forth in this By-law as to such nomination or business. For the avoidance of doubt, the foregoing clause (ii) shall be the exclusive means for a stockholder to bring nominations or business properly before an Annual Meeting (other than matters properly brought under Rule 14a-8 (or any successor rule) under the Securities Exchange Act of 1934, as amended (the "Exchange Act")), and such stockholder must comply with the notice and other procedures set forth in Article I, Section 2(a)(2) and (3) of this By-law to bring such nominations or business properly before an Annual Meeting. In addition to the other requirements set forth in this By-law, for any proposal of business to be considered at an Annual Meeting, it must be a proper subject for action by stockholders of the Corporation under Delaware law.

(2) For nominations or other business to be properly brought before an Annual Meeting by a stockholder pursuant to clause (ii) of Article I, Section 2(a)(1) of this By-law, the stockholder must (i) have given Timely Notice (as defined below) thereof in writing to the Secretary of the Corporation, (ii) have provided any updates or supplements to such notice at the times and in the forms required by this By-law and (iii) together with the beneficial owner(s), if any, on whose behalf the nomination or business proposal is made, have acted in accordance with the representations set forth in the Solicitation Statement (as defined below) required by this By-law. To be timely, a stockholder's written notice shall be received by the Secretary at the principal executive offices of the Corporation not later than the close of business on the ninetieth (90th) day nor earlier than the close of business on the one hundred twentieth (120th) day prior to the one-year anniversary of the preceding year's Annual Meeting; provided, however, that in the event the Annual Meeting is first convened more than thirty (30) days before or more than sixty (60) days after such anniversary date, or if no Annual Meeting were held in the preceding year, notice by the stockholder to be timely must be received by the Secretary of the Corporation not later than the close of business on the later of the ninetieth (90th) day prior to the scheduled date of such Annual Meeting or the tenth (10th) day following the day on which public announcement of the date of such meeting is first made (such notice within such time periods shall be referred to as "Timely Notice"). Notwithstanding anything to the contrary provided herein, for the first Annual Meeting following the initial public offering of common stock of the Corporation, a stockholder's notice shall be timely if received by the Secretary at the principal executive offices of the Corporation not later than the close of business on the later of the ninetieth (90th) day prior to the scheduled date of such Annual Meeting or the tenth (10th) day following the day on which public announcement of the date of such Annual Meeting is first made or sent by the Corporation. Such stockholder's Timely Notice shall set forth:

(A) as to each person whom the stockholder proposes to nominate for election or reelection as a director, (i) the name, age, business address and residence address of the nominee, (ii) the principal occupation or employment of the nominee, (iii) the class and number of shares of the corporation that are held of record or are beneficially owned by the nominee and any derivative positions held or beneficially held by the nominee, (iv) whether and the extent to which any hedging or other transaction or series of transactions has been entered into by or on behalf of the nominee with respect to any securities of the corporation, and a description of any other agreement, arrangement or understanding (including any short position or any borrowing or lending of shares), the effect or intent of which is to mitigate loss to, or to manage the risk or benefit of share price changes for, or to increase or decrease the voting power of the nominee, (v) a description of all arrangements or understandings between or among the stockholder and each nominee and any other person or persons (naming such person or persons) pursuant to which the nominations are to be made by the stockholder or concerning the nominee's potential service on the Board of Directors, (vi) a written statement executed by the nominee acknowledging that as a director of the

corporation, the nominee will owe fiduciary duties under Delaware law with respect to the corporation and its stockholders, and (vii) all information relating to such person that is required to be disclosed in solicitations of proxies for election of directors in an election contest, or is otherwise required, in each case pursuant to Regulation 14A under the Exchange Act (including such person's written consent to being named in the proxy statement as a nominee and to serving as a director if elected);

(B) as to any other business that the stockholder proposes to bring before the meeting, a brief description of the business desired to be brought before the meeting, the text, if any, of any resolutions or By-law amendment proposed for adoption, the reasons for conducting such business at the meeting, and any material interest in such business of each Proposing Person (as defined below);

(C) (i) the name and address of the stockholder giving the notice, as they appear on the Corporation's books, and the names and addresses of the other Proposing Persons (if any) and (ii) as to each Proposing Person, the following information: (a) the class or series and number of all shares of capital stock of the Corporation which are, directly or indirectly, owned beneficially or of record by such Proposing Person or any of its affiliates or associates (as such terms are defined in Rule 12b-2 promulgated under the Exchange Act), including any shares of any class or series of capital stock of the Corporation as to which such Proposing Person or any of its affiliates or associates has a right to acquire beneficial ownership at any time in the future, (b) all Synthetic Equity Interests (as defined below) in which such Proposing Person or any of its affiliates or associates, directly or indirectly, holds an interest including a description of the material terms of each such Synthetic Equity Interest, including without limitation, identification of the counterparty to each such Synthetic Equity Interest and disclosure, for each such Synthetic Equity Interest, as to (x) whether or not such Synthetic Equity Interest conveys any voting rights, directly or indirectly, in such shares to such Proposing Person, (y) whether or not such Synthetic Equity Interest is required to be, or is capable of being, settled through delivery of such shares and (z) whether or not such Proposing Person and/or, to the extent known, the counterparty to such Synthetic Equity Interest has entered into other transactions that hedge or mitigate the economic effect of such Synthetic Equity Interest, (c) any proxy (other than a revocable proxy given in response to a public proxy solicitation made pursuant to, and in accordance with, the Exchange Act), agreement, arrangement, understanding or relationship pursuant to which such Proposing Person has or shares a right to, directly or indirectly, vote any shares of any class or series of capital stock of the Corporation, (d) any rights to dividends or other distributions on the shares of any class or series of capital stock of the Corporation, directly or indirectly, owned beneficially by such Proposing Person that are separated or separable from the underlying shares of the Corporation, and (e) any performance-related fees (other than an asset based fee) that such Proposing Person, directly or indirectly, is entitled to based on any increase or decrease in the value of shares of any class or series of capital stock of the Corporation or any Synthetic Equity Interests (the disclosures to be made

pursuant to the foregoing clauses (a) through (e) are referred to, collectively, as “Material Ownership Interests”) and (iii) a description of the material terms of all agreements, arrangements or understandings (whether or not in writing) entered into by any Proposing Person or any of its affiliates or associates with any other person for the purpose of acquiring, holding, disposing or voting of any shares of any class or series of capital stock of the Corporation;

(D) (i) a description of all agreements, arrangements or understandings by and among any of the Proposing Persons, or by and among any Proposing Persons and any other person (including with any proposed nominee(s)), pertaining to the nomination(s) or other business proposed to be brought before the meeting of stockholders (which description shall identify the name of each other person who is party to such an agreement, arrangement or understanding), and (ii) identification of the names and addresses of other stockholders (including beneficial owners) known by any of the Proposing Persons to support such nominations or other business proposal(s), and to the extent known the class and number of all shares of the Corporation’s capital stock owned beneficially or of record by such other stockholder(s) or other beneficial owner(s); and

(E) a statement whether or not the stockholder giving the notice and/or the other Proposing Person(s), if any, will deliver a proxy statement and form of proxy to holders of, in the case of a business proposal, at least the percentage of voting power of all of the shares of capital stock of the Corporation required under applicable law to approve the proposal or, in the case of a nomination or nominations, at least the percentage of voting power of all of the shares of capital stock of the Corporation reasonably believed by such Proposing Person to be sufficient to elect the nominee or nominees proposed to be nominated by such stockholder (such statement, the “Solicitation Statement”).

For purposes of this Article I of these By-laws, the term “Proposing Person” shall mean the following persons: (i) the stockholder of record providing the notice of nominations or business proposed to be brought before a stockholders’ meeting, and (ii) the beneficial owner(s), if different, on whose behalf the nominations or business proposed to be brought before a stockholders’ meeting is made. For purposes of this Section 2 of Article I of these By-laws, the term “Synthetic Equity Interest” shall mean any transaction, agreement or arrangement (or series of transactions, agreements or arrangements), including, without limitation, any derivative, swap, hedge, repurchase or so-called “stock borrowing” agreement or arrangement, the purpose or effect of which is to, directly or indirectly: (a) give a person or entity economic benefit and/or risk similar to ownership of shares of any class or series of capital stock of the Corporation, in whole or in part, including due to the fact that such transaction, agreement or arrangement provides, directly or indirectly, the opportunity to profit or avoid a loss from any increase or decrease in the value of any shares of any class or series of capital stock of the Corporation, (b) mitigate loss to, reduce the economic risk of or manage the risk of share price changes for, any person or entity with respect to any shares of any class or series of capital stock of the Corporation, (c) otherwise provide in any manner the opportunity to profit or avoid a loss from any decrease in the value of any shares of any class or series of capital stock of the Corporation, or (d) increase or decrease the voting power of any person or entity with respect to any shares of any class or series of capital stock of the Corporation.

(3) A stockholder providing Timely Notice of nominations or business proposed to be brought before an Annual Meeting shall further update and supplement such notice, if necessary, so that the information (including, without limitation, the Material Ownership Interests information) provided or required to be provided in such notice pursuant to this By-law shall be true and correct as of the record date for the meeting and as of the date that is ten (10) business days prior to such Annual Meeting, and such update and supplement shall be received by the Secretary at the principal executive offices of the Corporation not later than the close of business on the fifth (5th) business day after the record date for the Annual Meeting (in the case of the update and supplement required to be made as of the record date), and not later than the close of business on the eighth (8th) business day prior to the date of the Annual Meeting (in the case of the update and supplement required to be made as of ten (10) business days prior to the meeting).

(4) Notwithstanding anything in the second sentence of Article I, Section 2(a)(2) of this By-law to the contrary, in the event that the number of directors to be elected to the Board of Directors of the Corporation is increased and there is no public announcement naming all of the nominees for director or specifying the size of the increased Board of Directors made by the Corporation at least ten (10) days before the last day a stockholder may deliver a notice of nomination in accordance with the second sentence of Article I, Section 2(a)(2), a stockholder's notice required by this By-law shall also be considered timely, but only with respect to nominees for any new positions created by such increase, if it shall be received by the Secretary of the Corporation not later than the close of business on the tenth (10th) day following the day on which such public announcement is first made by the Corporation.

(b) General.

(1) Only such persons who are nominated in accordance with the provisions of this By-law shall be eligible for election and to serve as directors and only such business shall be conducted at an Annual Meeting as shall have been brought before the meeting in accordance with the provisions of this By-law or in accordance with Rule 14a-8 under the Exchange Act. The Board of Directors or a designated committee thereof shall have the power to determine whether a nomination or any business proposed to be brought before the meeting was made in accordance with the provisions of this By-law. If neither the Board of Directors nor such designated committee makes a determination as to whether any stockholder proposal or nomination was made in accordance with the provisions of this By-law, the presiding officer of the Annual Meeting shall have the power and duty to determine whether the stockholder proposal or nomination was made in accordance with the provisions of this By-law. If the Board of Directors or a designated committee thereof or the presiding officer, as applicable, determines that any stockholder proposal or nomination was not made in accordance with the provisions of this By-law, such proposal or nomination shall be disregarded and shall not be presented for action at the Annual Meeting.

(2) Except as otherwise required by law, nothing in this Article I, Section 2 shall obligate the Corporation or the Board of Directors to include in any proxy statement or other stockholder communication distributed on behalf of the Corporation or the Board of Directors information with respect to any nominee for director or any other matter of business submitted by a stockholder.

(3) Notwithstanding the foregoing provisions of this Article I, Section 2, if the nominating or proposing stockholder (or a qualified representative of the stockholder) does not appear at the Annual Meeting to present a nomination or any business, such nomination or business shall be disregarded, notwithstanding that proxies in respect of such vote may have been received by the Corporation. For purposes of this Article I, Section 2, to be considered a qualified representative of the proposing stockholder, a person must be authorized by a written instrument executed by such stockholder or an electronic transmission delivered by such stockholder to act for such stockholder as proxy at the meeting of stockholders and such person must produce such written instrument or electronic transmission, or a reliable reproduction of the written instrument or electronic transmission, to the presiding officer at the meeting of stockholders.

(4) For purposes of this By-law, "public announcement" shall mean disclosure in a press release reported by the Dow Jones News Service, Associated Press or comparable national news service or in a document publicly filed by the Corporation with the Securities and Exchange Commission pursuant to Section 13, 14 or 15(d) of the Exchange Act.

(5) Notwithstanding the foregoing provisions of this By-law, a stockholder shall also comply with all applicable requirements of the Exchange Act and the rules and regulations thereunder with respect to the matters set forth in this By-law. Nothing in this By-law shall be deemed to affect any rights of (i) stockholders to have proposals included in the Corporation's proxy statement pursuant to Rule 14a-8 (or any successor rule), as applicable, under the Exchange Act and, to the extent required by such rule, have such proposals considered and voted on at an Annual Meeting or (ii) the holders of any series of Undesignated Preferred Stock to elect directors under specified circumstances.

SECTION 3. Special Meetings. Except as otherwise required by statute and subject to the rights, if any, of the holders of any series of Undesignated Preferred Stock, special meetings of the stockholders of the Corporation may be called only by the Board of Directors acting pursuant to a resolution approved by the affirmative vote of a majority of the Directors then in office. The Board of Directors may postpone or reschedule any previously scheduled special meeting of stockholders. Only those matters set forth in the notice of the special meeting may be considered or acted upon at a special meeting of stockholders of the Corporation. Nominations of persons for election to the Board of Directors of the Corporation and stockholder proposals of other business shall not be brought before a special meeting of stockholders to be considered by the stockholders unless such special meeting is held in lieu of an annual meeting of stockholders in accordance with Article I, Section 1 of these By-laws, in which case such special meeting in lieu thereof shall be deemed an Annual Meeting for purposes of these By-laws and the provisions of Article I, Section 2 of these By-laws shall govern such special meeting.



SECTION 4. Notice of Meetings; Adjournments.

(a) A notice of each Annual Meeting stating the hour, date and place, if any, of such Annual Meeting and the means of remote communication, if any, by which stockholders and proxyholders may be deemed to be present in person and vote at such meeting, shall be given not less than ten (10) days nor more than sixty (60) days before the Annual Meeting, to each stockholder entitled to vote thereat by delivering such notice to such stockholder or by mailing it, postage prepaid, addressed to such stockholder at the address of such stockholder as it appears on the Corporation's stock transfer books. Without limiting the manner by which notice may otherwise be given to stockholders, any notice to stockholders may be given by electronic transmission in the manner provided in Section 232 of the Delaware General Corporation Law ("DGCL").

(b) Unless otherwise required by the DGCL, notice of all special meetings of stockholders shall be given in the same manner as provided for Annual Meetings, except that the notice of all special meetings shall state the purpose or purposes for which the meeting has been called.

(c) Notice of an Annual Meeting or special meeting of stockholders need not be given to a stockholder if a waiver of notice is executed, or waiver of notice by electronic transmission is provided, before or after such meeting by such stockholder or if such stockholder attends such meeting, unless such attendance is for the express purpose of objecting at the beginning of the meeting to the transaction of any business because the meeting was not lawfully called or convened.

(d) The Board of Directors may postpone and reschedule any previously scheduled Annual Meeting or special meeting of stockholders and any record date with respect thereto, regardless of whether any notice or public disclosure with respect to any such meeting has been sent or made pursuant to Section 2 of this Article I of these By-laws or otherwise. In no event shall the public announcement of an adjournment, postponement or rescheduling of any previously scheduled meeting of stockholders commence a new time period for the giving of a stockholder's notice under this Article I of these By-laws.

(e) When any meeting is convened, the presiding officer may adjourn the meeting if (i) no quorum is present for the transaction of business, (ii) the Board of Directors determines that adjournment is necessary or appropriate to enable the stockholders to consider fully information which the Board of Directors determines has not been made sufficiently or timely available to stockholders, or (iii) the Board of Directors determines that adjournment is otherwise in the best interests of the Corporation. When any Annual Meeting or special meeting of stockholders is adjourned to another hour, date or place, notice need not be given of the adjourned meeting other than an announcement at the meeting at which the adjournment is taken of the hour, date and place, if any, to which the meeting is adjourned and the means of remote communications, if any, by which stockholders and proxyholders may be deemed to be present in person and vote at such adjourned meeting; provided, however, that if the adjournment is for

more than thirty (30) days from the meeting date, or if after the adjournment a new record date is fixed for the adjourned meeting, notice of the adjourned meeting and the means of remote communications, if any, by which stockholders and proxyholders may be deemed to be present in person and vote at such adjourned meeting shall be given to each stockholder of record entitled to vote thereat and each stockholder who, by law or under the Certificate of Incorporation of the Corporation (as the same may hereafter be amended and/or restated, the "Certificate") or these By-laws, is entitled to such notice.

SECTION 5. Quorum. A majority of the outstanding shares entitled to vote, present in person or represented by proxy, shall constitute a quorum at any meeting of stockholders. If less than a quorum is present at a meeting, the holders of voting stock representing a majority of the voting power present at the meeting or the presiding officer may adjourn the meeting from time to time, and the meeting may be held as adjourned without further notice, except as provided in Section 4 of this Article I. At such adjourned meeting at which a quorum is present, any business may be transacted which might have been transacted at the original meeting. The stockholders present at a duly constituted meeting may continue to transact business until adjournment, notwithstanding the withdrawal of enough stockholders to leave less than a quorum.

SECTION 6. Voting and Proxies. Stockholders shall have one vote for each share of stock entitled to vote owned by them of record according to the stock ledger of the Corporation as of the record date, unless otherwise provided by law or by the Certificate. Stockholders may vote either (i) in person, (ii) by written proxy or (iii) by a transmission permitted by Section 212(c) of the DGCL. Any copy, facsimile telecommunication or other reliable reproduction of the writing or transmission permitted by Section 212(c) of the DGCL may be substituted for or used in lieu of the original writing or transmission for any and all purposes for which the original writing or transmission could be used, provided that such copy, facsimile telecommunication or other reproduction shall be a complete reproduction of the entire original writing or transmission. Proxies shall be filed in accordance with the procedures established for the meeting of stockholders. Except as otherwise limited therein or as otherwise provided by law, proxies authorizing a person to vote at a specific meeting shall entitle the persons authorized thereby to vote at any adjournment of such meeting, but they shall not be valid after final adjournment of such meeting. A proxy with respect to stock held in the name of two or more persons shall be valid if executed by or on behalf of any one of them unless at or prior to the exercise of the proxy the Corporation receives a specific written notice to the contrary from any one of them.

SECTION 7. Action at Meeting. When a quorum is present at any meeting of stockholders, any matter before any such meeting (other than an election of a director or directors) shall be decided by a majority of the votes properly cast for and against such matter, except where a larger vote is required by law, by the Certificate or by these By-laws. Any election of directors by stockholders shall be determined by a plurality of the votes properly cast on the election of directors.

SECTION 8. Stockholder Lists. The Secretary or an Assistant Secretary (or the Corporation's transfer agent or other person authorized by these By-laws or by law) shall prepare and make, at least ten (10) days before every Annual Meeting or special meeting of stockholders, a complete list of the stockholders entitled to vote at the meeting, arranged in alphabetical order, and showing the address of each stockholder and the number of shares registered in the name of each stockholder. Such list shall be open to the examination of any stockholder, for a period of at least ten (10) days prior to the meeting as provided in the manner, and subject to the terms, set forth in Section 219 of the DGCL (or any successor provision). The list shall also be open to the examination of any stockholder during the whole time of the meeting as provided by law.

SECTION 9. Presiding Officer. The Board of Directors shall designate a representative to preside over all Annual Meetings or special meetings of stockholders, provided that if the Board of Directors does not so designate such a presiding officer, then the Chairman of the Board, if one is elected, shall preside over such meetings. If the Board of Directors does not so designate such a presiding officer and there is no Chairman of the Board or the Chairman of the Board is unable to so preside or is absent, then the Chief Executive Officer, if one is elected, shall preside over such meetings, provided further that if there is no Chief Executive Officer or the Chief Executive Officer is unable to so preside or is absent, then the President shall preside over such meetings. The presiding officer at any Annual Meeting or special meeting of stockholders shall have the power, among other things, to adjourn such meeting at any time and from time to time, subject to Sections 4 and 5 of this Article I. The order of business and all other matters of procedure at any meeting of the stockholders shall be determined by the presiding officer.

SECTION 10. Inspectors of Elections. The Corporation shall, in advance of any meeting of stockholders, appoint one or more inspectors to act at the meeting and make a written report thereof. The Corporation may designate one or more persons as alternate inspectors to replace any inspector who fails to act. If no inspector or alternate is able to act at a meeting of stockholders, the presiding officer shall appoint one or more inspectors to act at the meeting. Any inspector may, but need not, be an officer, employee or agent of the Corporation. Each inspector, before entering upon the discharge of his or her duties, shall take and sign an oath faithfully to execute the duties of inspector with strict impartiality and according to the best of his or her ability. The inspectors shall perform such duties as are required by the DGCL, including the counting of all votes and ballots. The inspectors may appoint or retain other persons or entities to assist the inspectors in the performance of the duties of the inspectors. The presiding officer may review all determinations made by the inspectors, and in so doing the presiding officer shall be entitled to exercise his or her sole judgment and discretion and he or she shall not be bound by any determinations made by the inspectors. All determinations by the inspectors and, if applicable, the presiding officer, shall be subject to further review by any court of competent jurisdiction.

## ARTICLE II

### Directors

SECTION 1. Powers. The business and affairs of the Corporation shall be managed by or under the direction of the Board of Directors except as otherwise provided by the Certificate or required by law.

SECTION 2. Number and Terms. The number of directors of the Corporation shall be fixed solely and exclusively by resolution duly adopted from time to time by the Board of Directors. The directors shall hold office in the manner provided in the Certificate.

SECTION 3. Qualification. No director need be a stockholder of the Corporation.

SECTION 4. Vacancies. Vacancies in the Board of Directors shall be filled in the manner provided in the Certificate.

SECTION 5. Removal. Directors may be removed from office only in the manner provided in the Certificate.

SECTION 6. Resignation. A director may resign at any time by electronic transmission or by giving written notice to the Chairman of the Board, if one is elected, the President or the Secretary. A resignation shall be effective upon receipt, unless the resignation otherwise provides.

SECTION 7. Regular Meetings. The regular annual meeting of the Board of Directors shall be held, without notice other than this Section 7, on the same date and at the same place as the Annual Meeting following the close of such meeting of stockholders. Other regular meetings of the Board of Directors may be held at such hour, date and place as the Board of Directors may by resolution from time to time determine and publicize by means of reasonable notice given to any director who is not present at the meeting at which such resolution is adopted.

SECTION 8. Special Meetings. Special meetings of the Board of Directors may be called, orally or in writing, by or at the request of a majority of the directors, the Chairman of the Board, if one is elected, or the President. The person calling any such special meeting of the Board of Directors may fix the hour, date and place thereof.

SECTION 9. Notice of Meetings. Notice of the hour, date and place of all special meetings of the Board of Directors shall be given to each director by the Secretary or an Assistant Secretary, or in case of the death, absence, incapacity or refusal of such persons, by the Chairman of the Board, if one is elected, or the President or such other officer designated by the Chairman of the Board, if one is elected, or the President. Notice of any special meeting of the Board of Directors shall be given to each director in person, by telephone, or by facsimile, electronic mail or other form of electronic communication, sent to his or her business or home

address, at least twenty-four (24) hours in advance of the meeting, or by written notice mailed to his or her business or home address, at least forty-eight (48) hours in advance of the meeting. Such notice shall be deemed to be delivered when hand-delivered to such address, read to such director by telephone, deposited in the mail so addressed, with postage thereon prepaid if mailed, dispatched or transmitted if sent by facsimile transmission or by electronic mail or other form of electronic communications. A written waiver of notice signed or electronically transmitted before or after a meeting by a director and filed with the records of the meeting shall be deemed to be equivalent to notice of the meeting. The attendance of a director at a meeting shall constitute a waiver of notice of such meeting, except where a director attends a meeting for the express purpose of objecting at the beginning of the meeting to the transaction of any business because such meeting is not lawfully called or convened. Except as otherwise required by law, by the Certificate or by these By-laws, neither the business to be transacted at, nor the purpose of, any meeting of the Board of Directors need be specified in the notice or waiver of notice of such meeting.

SECTION 10. Quorum. At any meeting of the Board of Directors, a majority of the total number of directors shall constitute a quorum for the transaction of business, but if less than a quorum is present at a meeting, a majority of the directors present may adjourn the meeting from time to time, and the meeting may be held as adjourned without further notice. Any business which might have been transacted at the meeting as originally noticed may be transacted at such adjourned meeting at which a quorum is present. For purposes of this section, the total number of directors includes any unfilled vacancies on the Board of Directors.

SECTION 11. Action at Meeting. At any meeting of the Board of Directors at which a quorum is present, the vote of a majority of the directors present shall constitute action by the Board of Directors, unless otherwise required by law, by the Certificate or by these By-laws.

SECTION 12. Action by Consent. Any action required or permitted to be taken at any meeting of the Board of Directors may be taken without a meeting if all members of the Board of Directors consent thereto in writing or by electronic transmission and the writing or writings or electronic transmission or transmissions are filed with the records of the meetings of the Board of Directors. Such filing shall be in paper form if the minutes are maintained in paper form and shall be in electronic form if the minutes are maintained in electronic form. Such consent shall be treated as a resolution of the Board of Directors for all purposes.

SECTION 13. Manner of Participation. Directors may participate in meetings of the Board of Directors by means of conference telephone or other communications equipment by means of which all directors participating in the meeting can hear each other, and participation in a meeting in accordance herewith shall constitute presence in person at such meeting for purposes of these By-laws.

SECTION 14. Presiding Director. The Board of Directors shall designate a representative to preside over all meetings of the Board of Directors, provided that if the Board of Directors does not so designate such a presiding director or such designated presiding director is unable to so preside or is absent, then the Chairman of the Board, if one is elected, shall preside over all meetings of the Board of Directors. If both the designated presiding director, if one is so designated, and the Chairman of the Board, if one is elected, are unable to preside or are absent, the Board of Directors shall designate an alternate representative to preside over a meeting of the Board of Directors.

SECTION 15. Committees. The Board of Directors, by vote of a majority of the directors then in office, may elect one or more committees, including, without limitation, a Compensation, Nomination and Corporate Governance Committee and an Audit Committee, and may delegate thereto some or all of its powers except those which by law, by the Certificate or by these By-laws may not be delegated. Except as the Board of Directors may otherwise determine, any such committee may make rules for the conduct of its business, but unless otherwise provided by the Board of Directors or in such rules, its business shall be conducted so far as possible in the same manner as is provided by these By-laws for the Board of Directors. All members of such committees shall hold such offices at the pleasure of the Board of Directors. The Board of Directors may abolish any such committee at any time. Any committee to which the Board of Directors delegates any of its powers or duties shall keep records of its meetings and shall report its action to the Board of Directors.

SECTION 16. Compensation of Directors. Directors shall receive such compensation for their services as shall be determined by a majority of the Board of Directors, or a designated committee thereof, provided that directors who are serving the Corporation as employees and who receive compensation for their services as such, shall not receive any salary or other compensation for their services as directors of the Corporation.

### ARTICLE III

#### Officers

SECTION 1. Enumeration. The officers of the Corporation shall consist of a President, a Treasurer, a Secretary and such other officers, including, without limitation, a Chairman of the Board of Directors, a Chief Executive Officer and one or more Vice Presidents (including Executive Vice Presidents or Senior Vice Presidents), Assistant Vice Presidents, Assistant Treasurers and Assistant Secretaries, as the Board of Directors may determine.

SECTION 2. Election. At the regular annual meeting of the Board of Directors following the Annual Meeting, the Board of Directors shall elect the President, the Treasurer and the Secretary. Other officers may be elected by the Board of Directors at such regular annual meeting of the Board of Directors or at any other regular or special meeting.

SECTION 3. Qualification. No officer need be a stockholder or a director. Any person may occupy more than one office of the Corporation at any time.

SECTION 4. Tenure. Except as otherwise provided by the Certificate or by these By-laws, each of the officers of the Corporation shall hold office until the regular annual meeting of the Board of Directors following the next Annual Meeting and until his or her successor is elected and qualified or until his or her earlier resignation or removal.

SECTION 5. Resignation. Any officer may resign by delivering his or her written or electronically transmitted resignation to the Corporation addressed to the President or the Secretary, and such resignation shall be effective upon receipt, unless the resignation otherwise provides.

SECTION 6. Removal. Except as otherwise provided by law or by resolution of the Board of Directors, the Board of Directors may remove any officer with or without cause by the affirmative vote of a majority of the directors then in office.

SECTION 7. Absence or Disability. In the event of the absence or disability of any officer, the Board of Directors may designate another officer to act temporarily in place of such absent or disabled officer.

SECTION 8. Vacancies. Any vacancy in any office may be filled for the unexpired portion of the term by the Board of Directors.

SECTION 9. President. The President shall, subject to the direction of the Board of Directors, have such powers and shall perform such duties as the Board of Directors may from time to time designate.

SECTION 10. Chairman of the Board. The Chairman of the Board, if one is elected, shall have such powers and shall perform such duties as the Board of Directors may from time to time designate.

SECTION 11. Chief Executive Officer. The Chief Executive Officer, if one is elected, shall have such powers and shall perform such duties as the Board of Directors may from time to time designate.

SECTION 12. Vice Presidents and Assistant Vice Presidents. Any Vice President (including any Executive Vice President or Senior Vice President) and any Assistant Vice President shall have such powers and shall perform such duties as the Board of Directors or the Chief Executive Officer may from time to time designate.

SECTION 13. Treasurer and Assistant Treasurers. The Treasurer shall, subject to the direction of the Board of Directors and except as the Board of Directors or the Chief Executive Officer may otherwise provide, have general charge of the financial affairs of the Corporation and shall cause to be kept accurate books of account. The Treasurer shall have custody of all funds, securities, and valuable documents of the Corporation. He or she shall have such other duties and powers as may be designated from time to time by the Board of Directors or the Chief Executive Officer. Any Assistant Treasurer shall have such powers and perform such duties as the Board of Directors or the Chief Executive Officer may from time to time designate.

SECTION 14. Secretary and Assistant Secretaries. The Secretary shall record all the proceedings of the meetings of the stockholders and the Board of Directors (including committees of the Board of Directors) in books kept for that purpose. In his or her absence from any such meeting, a temporary secretary chosen at the meeting shall record the proceedings thereof. The Secretary shall have charge of the stock ledger (which may, however, be kept by any transfer or other agent of the Corporation). The Secretary shall have custody of the seal of the Corporation, and the Secretary, or an Assistant Secretary shall have authority to affix it to any instrument requiring it, and, when so affixed, the seal may be attested by his or her signature or that of an Assistant Secretary. The Secretary shall have such other duties and powers as may be designated from time to time by the Board of Directors or the Chief Executive Officer. In the absence of the Secretary, any Assistant Secretary may perform his or her duties and responsibilities. Any Assistant Secretary shall have such powers and perform such duties as the Board of Directors or the Chief Executive Officer may from time to time designate.

SECTION 15. Other Powers and Duties. Subject to these By-laws and to such limitations as the Board of Directors may from time to time prescribe, the officers of the Corporation shall each have such powers and duties as generally pertain to their respective offices, as well as such powers and duties as from time to time may be conferred by the Board of Directors or the Chief Executive Officer.

#### ARTICLE IV

##### Capital Stock

SECTION 1. Certificates of Stock. Each stockholder shall be entitled to a certificate of the capital stock of the Corporation in such form as may from time to time be prescribed by the Board of Directors. Such certificate shall be signed by any two authorized officers of the Corporation. The Corporation seal and the signatures by the Corporation's officers, the transfer agent or the registrar may be facsimiles. In case any officer, transfer agent or registrar who has signed or whose facsimile signature has been placed on such certificate shall have ceased to be such officer, transfer agent or registrar before such certificate is issued, it may be issued by the Corporation with the same effect as if he or she were such officer, transfer agent or registrar at the time of its issue. Every certificate for shares of stock which are subject to any restriction on transfer and every certificate issued when the Corporation is authorized to issue more than one class or series of stock shall contain such legend with respect thereto as is required by law. Notwithstanding anything to the contrary provided in these By-laws, the Board of Directors of the Corporation may provide by resolution or resolutions that some or all of any or all classes or series of its stock shall be uncertificated shares (except that the foregoing shall not apply to shares represented by a certificate until such certificate is surrendered to the Corporation), and by the approval and adoption of these By-laws the Board of Directors has determined that all classes or series of the Corporation's stock may be uncertificated, whether upon original issuance, re-issuance, or subsequent transfer.



SECTION 2. Transfers. Subject to any restrictions on transfer and unless otherwise provided by the Board of Directors, shares of stock that are represented by a certificate may be transferred on the books of the Corporation by the surrender to the Corporation or its transfer agent of the certificate theretofore properly endorsed or accompanied by a written assignment or power of attorney properly executed, with transfer stamps (if necessary) affixed, and with such proof of the authenticity of signature as the Corporation or its transfer agent may reasonably require. Shares of stock that are not represented by a certificate may be transferred on the books of the Corporation by submitting to the Corporation or its transfer agent such evidence of transfer and following such other procedures as the Corporation or its transfer agent may require.

SECTION 3. Record Holders. Except as may otherwise be required by law, by the Certificate or by these By-laws, the Corporation shall be entitled to treat the record holder of stock as shown on its books as the owner of such stock for all purposes, including the payment of dividends and the right to vote with respect thereto, regardless of any transfer, pledge or other disposition of such stock, until the shares have been transferred on the books of the Corporation in accordance with the requirements of these By-laws.

SECTION 4. Record Date. In order that the Corporation may determine the stockholders entitled to notice of or to vote at any meeting of stockholders or any adjournment thereof or entitled to receive payment of any dividend or other distribution or allotment of any rights, or entitled to exercise any rights in respect of any change, conversion or exchange of stock or for the purpose of any other lawful action, the Board of Directors may fix a record date, which record date shall not precede the date upon which the resolution fixing the record date is adopted by the Board of Directors, and which record date: (a) in the case of determination of stockholders entitled to vote at any meeting of stockholders, shall, unless otherwise required by law, not be more than sixty (60) nor less than ten (10) days before the date of such meeting and (b) in the case of any other action, shall not be more than sixty (60) days prior to such other action. If no record date is fixed: (i) the record date for determining stockholders entitled to notice of or to vote at a meeting of stockholders shall be at the close of business on the day next preceding the day on which notice is given, or, if notice is waived, at the close of business on the day next preceding the day on which the meeting is held; and (ii) the record date for determining stockholders for any other purpose shall be at the close of business on the day on which the Board of Directors adopts the resolution relating thereto.

SECTION 5. Replacement of Certificates. In case of the alleged loss, destruction or mutilation of a certificate of stock of the Corporation, a duplicate certificate may be issued in place thereof, upon such terms as the Board of Directors may prescribe.

## ARTICLE V

### Indemnification

SECTION 1. Definitions. For purposes of this Article:

(a) "Corporate Status" describes the status of a person who is serving or has served (i) as a Director of the Corporation, (ii) as an Officer of the Corporation, (iii) as a Non-Officer Employee of the Corporation, or (iv) as a director, partner, trustee, officer, employee or agent of

any other corporation, partnership, limited liability company, joint venture, trust, employee benefit plan, foundation, association, organization or other legal entity which such person is or was serving at the request of the Corporation. For purposes of this Section 1(a), a Director, Officer or Non-Officer Employee of the Corporation who is serving or has served as a director, partner, trustee, officer, employee or agent of a Subsidiary shall be deemed to be serving at the request of the Corporation. Notwithstanding the foregoing, "Corporate Status" shall not include the status of a person who is serving or has served as a director, officer, employee or agent of a constituent corporation absorbed in a merger or consolidation transaction with the Corporation with respect to such person's activities prior to said transaction, unless specifically authorized by the Board of Directors or the stockholders of the Corporation;

(b) "Director" means any person who serves or has served the Corporation as a director on the Board of Directors of the Corporation;

(c) "Disinterested Director" means, with respect to each Proceeding in respect of which indemnification is sought hereunder, a Director of the Corporation who is not and was not a party to such Proceeding;

(d) "Expenses" means all attorneys' fees, retainers, court costs, transcript costs, fees of expert witnesses, private investigators and professional advisors (including, without limitation, accountants and investment bankers), travel expenses, duplicating costs, printing and binding costs, costs of preparation of demonstrative evidence and other courtroom presentation aids and devices, costs incurred in connection with document review, organization, imaging and computerization, telephone charges, postage, delivery service fees, and all other disbursements, costs or expenses of the type customarily incurred in connection with prosecuting, defending, preparing to prosecute or defend, investigating, being or preparing to be a witness in, settling or otherwise participating in, a Proceeding;

(e) "Liabilities" means judgments, damages, liabilities, losses, penalties, excise taxes, fines and amounts paid in settlement;

(f) "Non-Officer Employee" means any person who serves or has served as an employee or agent of the Corporation, but who is not or was not a Director or Officer;

(g) "Officer" means any person who serves or has served the Corporation as an officer of the Corporation appointed by the Board of Directors of the Corporation;

(h) "Proceeding" means any threatened, pending or completed action, suit, arbitration, alternate dispute resolution mechanism, inquiry, investigation, administrative hearing or other proceeding, whether civil, criminal, administrative, arbitral or investigative; and

(i) "Subsidiary" shall mean any corporation, partnership, limited liability company, joint venture, trust or other entity of which the Corporation owns (either directly or through or together with another Subsidiary of the Corporation) either (i) a general partner, managing member or other similar interest or (ii) (A) fifty percent (50%) or more of the voting power of the voting capital equity interests of such corporation, partnership, limited liability company, joint venture or other entity, or (B) fifty percent (50%) or more of the outstanding voting capital stock or other voting equity interests of such corporation, partnership, limited liability company, joint venture or other entity.

SECTION 2. Indemnification of Directors and Officers.

(a) Subject to the operation of Section 4 of this Article V of these By-laws, each Director and Officer shall be indemnified and held harmless by the Corporation to the fullest extent authorized by the DGCL, as the same exists or may hereafter be amended (but, in the case of any such amendment, only to the extent that such amendment permits the Corporation to provide broader indemnification rights than such law permitted the Corporation to provide prior to such amendment), and to the extent authorized in this Section 2.

(1) Actions, Suits and Proceedings Other than By or In the Right of the Corporation. Each Director and Officer shall be indemnified and held harmless by the Corporation against any and all Expenses and Liabilities that are incurred or paid by such Director or Officer or on such Director's or Officer's behalf in connection with any Proceeding or any claim, issue or matter therein (other than an action by or in the right of the Corporation), which such Director or Officer is, or is threatened to be made, a party to or participant in by reason of such Director's or Officer's Corporate Status, if such Director or Officer acted in good faith and in a manner such Director or Officer reasonably believed to be in or not opposed to the best interests of the Corporation and, with respect to any criminal proceeding, had no reasonable cause to believe his or her conduct was unlawful.

(2) Actions, Suits and Proceedings By or In the Right of the Corporation. Each Director and Officer shall be indemnified and held harmless by the Corporation against any and all Expenses that are incurred by such Director or Officer or on such Director's or Officer's behalf in connection with any Proceeding or any claim, issue or matter therein by or in the right of the Corporation, which such Director or Officer is, or is threatened to be made, a party to or participant in by reason of such Director's or Officer's Corporate Status, if such Director or Officer acted in good faith and in a manner such Director or Officer reasonably believed to be in or not opposed to the best interests of the Corporation; provided, however, that no indemnification shall be made under this Section 2(a)(2) in respect of any claim, issue or matter as to which such Director or Officer shall have been finally adjudged by a court of competent jurisdiction to be liable to the Corporation, unless, and only to the extent that, the Court of Chancery or another court in which such Proceeding was brought shall determine upon application that, despite adjudication of liability, but in view of all the circumstances of the case, such Director or Officer is fairly and reasonably entitled to indemnification for such Expenses that such court deems proper.

(3) Survival of Rights. The rights of indemnification provided by this Section 2 shall continue as to a Director or Officer after he or she has ceased to be a Director or Officer and shall inure to the benefit of his or her heirs, executors, administrators and personal representatives.

(4) Actions by Directors or Officers. Notwithstanding the foregoing, the Corporation shall indemnify any Director or Officer seeking indemnification in connection with a Proceeding initiated by such Director or Officer only if such Proceeding (including any parts of such Proceeding not initiated by such Director or Officer) was authorized in advance by the Board of Directors of the Corporation, unless such Proceeding was brought to enforce such Officer's or Director's rights to indemnification or, in the case of Directors, advancement of Expenses under these By-laws in accordance with the provisions set forth herein.

SECTION 3. Indemnification of Non-Officer Employees. Subject to the operation of Section 4 of this Article V of these By-laws, each Non-Officer Employee may, in the discretion of the Board of Directors of the Corporation, be indemnified by the Corporation to the fullest extent authorized by the DGCL, as the same exists or may hereafter be amended, against any or all Expenses and Liabilities that are incurred by such Non-Officer Employee or on such Non-Officer Employee's behalf in connection with any threatened, pending or completed Proceeding, or any claim, issue or matter therein, which such Non-Officer Employee is, or is threatened to be made, a party to or participant in by reason of such Non-Officer Employee's Corporate Status, if such Non-Officer Employee acted in good faith and in a manner such Non-Officer Employee reasonably believed to be in or not opposed to the best interests of the Corporation and, with respect to any criminal proceeding, had no reasonable cause to believe his or her conduct was unlawful. The rights of indemnification provided by this Section 3 shall exist as to a Non-Officer Employee after he or she has ceased to be a Non-Officer Employee and shall inure to the benefit of his or her heirs, personal representatives, executors and administrators. Notwithstanding the foregoing, the Corporation may indemnify any Non-Officer Employee seeking indemnification in connection with a Proceeding initiated by such Non-Officer Employee only if such Proceeding was authorized in advance by the Board of Directors of the Corporation.

SECTION 4. Determination. Unless ordered by a court, no indemnification shall be provided pursuant to this Article V to a Director, to an Officer or to a Non-Officer Employee unless a determination shall have been made that such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best interests of the Corporation and, with respect to any criminal Proceeding, such person had no reasonable cause to believe his or her conduct was unlawful. Such determination shall be made by (a) a majority vote of the Disinterested Directors, even though less than a quorum of the Board of Directors, (b) a committee comprised of Disinterested Directors, such committee having been designated by a majority vote of the Disinterested Directors (even though less than a quorum), (c) if there are no such Disinterested Directors, or if a majority of Disinterested Directors so directs, by independent legal counsel in a written opinion, or (d) by the stockholders of the Corporation.

SECTION 5. Advancement of Expenses to Directors Prior to Final Disposition.

(a) The Corporation shall advance all Expenses incurred by or on behalf of any Director in connection with any Proceeding in which such Director is involved by reason of such Director's Corporate Status within thirty (30) days after the receipt by the Corporation of a written statement from such Director requesting such advance or advances from time to time,

whether prior to or after final disposition of such Proceeding. Such statement or statements shall reasonably evidence the Expenses incurred by such Director and shall be preceded or accompanied by an undertaking by or on behalf of such Director to repay any Expenses so advanced if it shall ultimately be determined that such Director is not entitled to be indemnified against such Expenses. Notwithstanding the foregoing, the Corporation shall advance all Expenses incurred by or on behalf of any Director seeking advancement of expenses hereunder in connection with a Proceeding initiated by such Director only if such Proceeding (including any parts of such Proceeding not initiated by such Director) was (i) authorized by the Board of Directors of the Corporation, or (ii) brought to enforce such Director's rights to indemnification or advancement of Expenses under these By-laws.

(b) If a claim for advancement of Expenses hereunder by a Director is not paid in full by the Corporation within thirty (30) days after receipt by the Corporation of documentation of Expenses and the required undertaking, such Director may at any time thereafter bring suit against the Corporation to recover the unpaid amount of the claim and if successful in whole or in part, such Director shall also be entitled to be paid the expenses of prosecuting such claim. The failure of the Corporation (including its Board of Directors or any committee thereof, independent legal counsel, or stockholders) to make a determination concerning the permissibility of such advancement of Expenses under this Article V shall not be a defense to an action brought by a Director for recovery of the unpaid amount of an advancement claim and shall not create a presumption that such advancement is not permissible. The burden of proving that a Director is not entitled to an advancement of expenses shall be on the Corporation.

(c) In any suit brought by the Corporation to recover an advancement of expenses pursuant to the terms of an undertaking, the Corporation shall be entitled to recover such expenses upon a final adjudication that the Director has not met any applicable standard for indemnification set forth in the DGCL.

#### SECTION 6. Advancement of Expenses to Officers and Non-Officer Employees Prior to Final Disposition.

(a) The Corporation may, at the discretion of the Board of Directors of the Corporation, advance any or all Expenses incurred by or on behalf of any Officer or any Non-Officer Employee in connection with any Proceeding in which such person is involved by reason of his or her Corporate Status as an Officer or Non-Officer Employee upon the receipt by the Corporation of a statement or statements from such Officer or Non-Officer Employee requesting such advance or advances from time to time, whether prior to or after final disposition of such Proceeding. Such statement or statements shall reasonably evidence the Expenses incurred by such Officer or Non-Officer Employee and shall be preceded or accompanied by an undertaking by or on behalf of such person to repay any Expenses so advanced if it shall ultimately be determined that such Officer or Non-Officer Employee is not entitled to be indemnified against such Expenses.

(b) In any suit brought by the Corporation to recover an advancement of expenses pursuant to the terms of an undertaking, the Corporation shall be entitled to recover such expenses upon a final adjudication that the Officer or Non-Officer Employee has not met any applicable standard for indemnification set forth in the DGCL.

SECTION 7. Contractual Nature of Rights.

(a) The provisions of this Article V shall be deemed to be a contract between the Corporation and each Director and Officer entitled to the benefits hereof at any time while this Article V is in effect, in consideration of such person's past or current and any future performance of services for the Corporation. Neither amendment, repeal or modification of any provision of this Article V nor the adoption of any provision of the Certificate of Incorporation inconsistent with this Article V shall eliminate or reduce any right conferred by this Article V in respect of any act or omission occurring, or any cause of action or claim that accrues or arises or any state of facts existing, at the time of or before such amendment, repeal, modification or adoption of an inconsistent provision (even in the case of a proceeding based on such a state of facts that is commenced after such time), and all rights to indemnification and advancement of Expenses granted herein or arising out of any act or omission shall vest at the time of the act or omission in question, regardless of when or if any proceeding with respect to such act or omission is commenced. The rights to indemnification and to advancement of expenses provided by, or granted pursuant to, this Article V shall continue notwithstanding that the person has ceased to be a director or officer of the Corporation and shall inure to the benefit of the estate, heirs, executors, administrators, legatees and distributees of such person.

(b) If a claim for indemnification hereunder by a Director or Officer is not paid in full by the Corporation within sixty (60) days after receipt by the Corporation of a written claim for indemnification, such Director or Officer may at any time thereafter bring suit against the Corporation to recover the unpaid amount of the claim, and if successful in whole or in part, such Director or Officer shall also be entitled to be paid the expenses of prosecuting such claim. The failure of the Corporation (including its Board of Directors or any committee thereof, independent legal counsel, or stockholders) to make a determination concerning the permissibility of such indemnification under this Article V shall not be a defense to an action brought by a Director or Officer for recovery of the unpaid amount of an indemnification claim and shall not create a presumption that such indemnification is not permissible. The burden of proving that a Director or Officer is not entitled to indemnification shall be on the Corporation.

(c) In any suit brought by a Director or Officer to enforce a right to indemnification hereunder, it shall be a defense that such Director or Officer has not met any applicable standard for indemnification set forth in the DGCL.

SECTION 8. Non-Exclusivity of Rights. The rights to indemnification and to advancement of Expenses set forth in this Article V shall not be exclusive of any other right which any Director, Officer, or Non-Officer Employee may have or hereafter acquire under any statute, provision of the Certificate or these By-laws, agreement, vote of stockholders or Disinterested Directors or otherwise.

SECTION 9. Insurance. The Corporation may maintain insurance, at its expense, to protect itself and any Director, Officer or Non-Officer Employee against any liability of any character asserted against or incurred by the Corporation or any such Director, Officer or Non-Officer Employee, or arising out of any such person's Corporate Status, whether or not the Corporation would have the power to indemnify such person against such liability under the DGCL or the provisions of this Article V.

SECTION 10. Other Indemnification. The Corporation's obligation, if any, to indemnify or provide advancement of Expenses to any person under this Article V as a result of such person serving, at the request of the Corporation, as a director, partner, trustee, officer, employee or agent of another corporation, partnership, joint venture, trust, employee benefit plan or other enterprise shall be reduced by any amount such person may collect as indemnification or advancement of Expenses from such other corporation, partnership, joint venture, trust, employee benefit plan or enterprise (the "Primary Indemnitor"). Any indemnification or advancement of Expenses under this Article V owed by the Corporation as a result of a person serving, at the request of the Corporation, as a director, partner, trustee, officer, employee or agent of another corporation, partnership, joint venture, trust, employee benefit plan or other enterprise shall only be in excess of, and shall be secondary to, the indemnification or advancement of Expenses available from the applicable Primary Indemnitor(s) and any applicable insurance policies.

## ARTICLE VI

### Miscellaneous Provisions

SECTION 1. Fiscal Year. The fiscal year of the Corporation shall be determined by the Board of Directors.

SECTION 2. Seal. The Board of Directors shall have power to adopt and alter the seal of the Corporation.

SECTION 3. Execution of Instruments. All deeds, leases, transfers, contracts, bonds, notes and other obligations to be entered into by the Corporation in the ordinary course of its business without director action may be executed on behalf of the Corporation by the Chairman of the Board, if one is elected, the President or the Treasurer or any other officer, employee or agent of the Corporation as the Board of Directors or the executive committee of the Board may authorize.

SECTION 4. Voting of Securities. Unless the Board of Directors otherwise provides, the Chairman of the Board, if one is elected, the President or the Treasurer may waive notice of and act on behalf of the Corporation (including with regard to voting and actions by written consent), or appoint another person or persons to act as proxy or attorney in fact for the Corporation with or without discretionary power and/or power of substitution, at any meeting of stockholders or shareholders of any other corporation or organization, any of whose securities are held by the Corporation.

SECTION 5. Resident Agent. The Board of Directors may appoint a resident agent upon whom legal process may be served in any action or proceeding against the Corporation.

SECTION 6. Corporate Records. The original or attested copies of the Certificate, By-laws and records of all meetings of the incorporators, stockholders and the Board of Directors and the stock transfer books, which shall contain the names of all stockholders, their record addresses and the amount of stock held by each, may be kept outside the State of Delaware and shall be kept at the principal office of the Corporation, at an office of its counsel, at an office of its transfer agent or at such other place or places as may be designated from time to time by the Board of Directors.

SECTION 7. Certificate. All references in these By-laws to the Certificate shall be deemed to refer to the Fourth Amended and Restated Certificate of Incorporation of the Corporation, as amended and/or restated and in effect from time to time.

SECTION 8. Exclusive Jurisdiction of Delaware Courts or the United States District Court for the District of Massachusetts. Unless the Corporation consents in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware shall be the sole and exclusive forum for state law claims for (i) any derivative action or proceeding brought on behalf of the Corporation, (ii) any action asserting a claim of breach of or based on a fiduciary duty owed by any current or former director, officer or other employee of the Corporation to the Corporation or the Corporation's stockholders, (iii) any action asserting a claim against the Corporation or any current or former director, officer, or other employee or stockholder of the Corporation arising pursuant to any provision of the Delaware General Corporation Law or the Certificate or By-laws, or (iv) any action asserting a claim against the Corporation governed by the internal affairs doctrine; provided, however, that this forum provision will not apply to any causes of action arising under the Securities Act of 1933, as amended, or the Exchange Act. Any person or entity purchasing or otherwise acquiring any interest in shares of capital stock of the Corporation shall be deemed to have notice of and consented to the provisions of this Section 8.

SECTION 9. Amendment of By-laws.

(a) Amendment by Directors. Except as provided otherwise by law, these By-laws may be amended or repealed by the Board of Directors by the affirmative vote of a majority of the directors then in office.

(b) Amendment by Stockholders. Except as otherwise required by these By-laws or by law, these By-laws may be amended or repealed by the affirmative vote of at least two thirds (2/3) of the outstanding shares entitled to vote on such amendment or repeal, voting together as a single class; provided, however, that if the Board of Directors recommends that stockholders approve such amendment or repeal at such meeting of stockholders, such amendment or repeal shall only require the affirmative vote of the majority of the outstanding shares entitled to vote on such amendment or repeal, voting together as a single class. Notwithstanding the foregoing, stockholder approval shall not be required unless mandated by the Certificate, these By-laws, or other applicable law.

SECTION 10. Notices. If mailed, notice to stockholders shall be deemed given when deposited in the mail, postage prepaid, directed to the stockholder at such stockholder's address as it appears on the records of the Corporation. Without limiting the manner by which notice otherwise may be given to stockholders, any notice to stockholders may be given by electronic transmission in the manner provided in Section 232 of the DGCL.



SECTION 11. Waivers. A written waiver of any notice, signed by a stockholder or director, or waiver by electronic transmission by such person, whether given before or after the time of the event for which notice is to be given, shall be deemed equivalent to the notice required to be given to such person. Neither the business to be transacted at, nor the purpose of, any meeting need be specified in such a waiver.

Adopted December 5, 2019, subject to and effective upon the closing of the Corporation's initial public offering on its Registration Statement on Form S-1.

**SECOND AMENDED AND RESTATED****INVESTORS' RIGHTS AGREEMENT**

THIS SECOND AMENDED AND RESTATED INVESTORS' RIGHTS AGREEMENT (this "**Agreement**"), is made as of November 25, 2019, by and among Black Diamond Therapeutics, Inc., a Delaware corporation (the "**Company**"), and each of the investors listed on Schedule A hereto, each of which is referred to in this Agreement as an "**Investor**."

**RECITALS**

**WHEREAS**, certain of the Investors (the "**Existing Investors**") hold shares of the Company's Series A Preferred Stock, Series B Preferred Stock and/or shares of Common Stock (in each case as defined below) and possess registration rights, information rights, rights of first offer, and other rights pursuant to an Amended and Restated Investors' Rights Agreement dated December 21, 2018, between the Company and such Investors (the "**Prior Agreement**");

**WHEREAS**, the Existing Investors are holders of at least a majority of the Registrable Securities of the Company (as defined in the Prior Agreement) and include at least two of NEA, RA Capital and Versant Ventures (in each case as defined below), and desire to amend and restate the Prior Agreement in its entirety and to accept the rights created pursuant to this Agreement in lieu of the rights granted to them under the Prior Agreement;

**WHEREAS**, certain of the Investors are parties to that certain Series C Preferred Stock Purchase Agreement of even date herewith among the Company and certain of the Investors (the "**Purchase Agreement**"), under which certain of the Company's and such Investors' obligations are conditioned upon the execution and delivery of this Agreement; and

**WHEREAS**, in order to induce the Company to enter into the Purchase Agreement and to induce the Investors to invest funds in the Company pursuant to the Purchase Agreement, the Investors and the Company hereby agree that this Agreement shall govern the rights of the Investors to cause the Company to register shares of Common Stock issuable to the Investors, to receive certain information from the Company, and to participate in future equity offerings by the Company, and shall govern certain other matters as set forth in this Agreement.

**NOW, THEREFORE**, the Company and Existing Investors hereby agree that the Prior Agreement shall be amended and restated, and the parties to this Agreement further agree as follows:

1. Definitions. For purposes of this Agreement:

1.1 "**Affiliate**" means, with respect to any specified Person, any other Person who, directly or indirectly, controls, is controlled by, or is under common control with such Person, including without limitation any general partner, managing member, officer, director or trustee of such Person or any venture capital fund, registered investment company, or other investment fund now or hereafter existing that is controlled by one or more general partners or managing members or investment adviser of, or shares the same management company or investment adviser with, such Person.

1.2 “**Board of Directors**” means the board of directors of the Company.

1.3 “**Common Stock**” means shares of the Company’s common stock, par value \$0.0001 per share.

1.4 “**Competitor**” means a Person engaged, directly or indirectly (including through any partnership, limited liability company, corporation, joint venture or similar arrangement (whether now existing or formed hereafter)), in the same business as the Company, but shall not include any financial investment firm or collective investment vehicle that, together with its Affiliates, holds less than twenty percent (20%) of the outstanding equity of any Competitor and does not, nor do any of its Affiliates, have a right to designate any members of the board of directors of any Competitor; provided that Boxer Capital, LLC (“**Boxer**”), Roche Finance Ltd (“**Roche**”) and Wellington Biomedical Innovation Master Investors (Cayman) I L.P. (the “**Wellington Investor**”), or any affiliate of the foregoing, shall not be deemed a Competitor of the Company.

1.5 “**Damages**” means any loss, damage, claim or liability (joint or several) to which a party hereto may become subject under the Securities Act, the Exchange Act, or other federal or state law, insofar as such loss, damage, claim or liability (or any action in respect thereof) arises out of or is based upon: (i) any untrue statement or alleged untrue statement of a material fact contained in any registration statement of the Company, including any preliminary prospectus or final prospectus contained therein or any amendments or supplements thereto; (ii) an omission or alleged omission to state therein a material fact required to be stated therein, or necessary to make the statements therein not misleading; or (iii) any violation or alleged violation by the indemnifying party (or any of its agents or Affiliates) of the Securities Act, the Exchange Act, any state securities law, or any rule or regulation promulgated under the Securities Act, the Exchange Act, or any state securities law.

1.6 “**Derivative Securities**” means any securities or rights convertible into, or exercisable or exchangeable for (in each case, directly or indirectly), Common Stock, including options and warrants.

1.7 “**Exchange Act**” means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

1.8 “**Excluded Registration**” means (i) a registration relating to the sale or grant of securities to employees of the Company or a subsidiary pursuant to a stock option, stock purchase, equity incentive or similar plan; (ii) a registration relating to an SEC Rule 145 transaction; (iii) a registration on any form that does not include substantially the same information as would be required to be included in a registration statement covering the sale of the Registrable Securities; or (iv) a registration in which the only Common Stock being registered is Common Stock issuable upon conversion of debt securities that are also being registered.

1.9 “**Form S-1**” means such form under the Securities Act as in effect on the date hereof or any successor registration form under the Securities Act subsequently adopted by the SEC.

1.10 “**Form S-3**” means such form under the Securities Act as in effect on the date hereof or any registration form under the Securities Act subsequently adopted by the SEC that permits forward incorporation of substantial information by reference to other documents filed by the Company with the SEC.

1.11 “**GAAP**” means generally accepted accounting principles in the United States as such may be modified, or any successor accounting principles.

1.12 “**Holder**” means any holder of Registrable Securities who is a party to this Agreement.

1.13 “**Immediate Family Member**” means a child, stepchild, grandchild, parent, stepparent, grandparent, spouse, sibling, mother-in-law, father-in-law, son-in-law, daughter-in-law, brother-in-law, or sister-in-law, including, adoptive relationships, of a natural person referred to herein.

1.14 “**Initiating Holders**” means, collectively, Holders who properly initiate a registration request under this Agreement.

1.15 “**IPO**” means the Company’s first underwritten public offering of its Common Stock under the Securities Act.

1.16 “**Key Employee**” means any executive-level employee (including, division director and vice president-level positions) as well as any employee who, either alone or in concert with others, develops, invents, programs, or designs any Company Intellectual Property (as defined in the Purchase Agreement).

1.17 “**Major Investor**” means any Investor that, individually or together with such Investor’s Affiliates, holds at least 1,142,361 shares of Registrable Securities then outstanding (as adjusted for any stock split, stock dividend, combination, or other recapitalization or reclassification effected after the date hereof); provided, however, that Blackwell Partners LLC—Series A shall also be deemed to be a Major Investor for so long as Blackwell Partners LLC- Series A continues to hold 336,967 shares of Series B Preferred Stock, and provided that Roche shall also be deemed to be a Major Investor for purposes of Section 3.1 herein.

1.18 “**NEA**” means New Enterprise Associates 16, L.P.

1.19 “**New Securities**” means, collectively, equity securities of the Company, whether or not currently authorized, as well as rights, options, or warrants to purchase such equity securities, or securities of any type whatsoever that are, or may become, convertible or exchangeable into or exercisable for such equity securities.

1.20 “**Person**” means any individual, corporation, partnership, trust, limited liability company, association or other entity.

1.21 “**Preferred Director**” means any director of the Company that the holders of record of the Series A Preferred Stock and Series B Preferred Stock are entitled to elect pursuant to the Restated Certificate.

1.22 “**Preferred Stock**” means, collectively, shares of the Company’s Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock.

1.23 “**RA Capital**” means RA Capital Healthcare Fund, L.P. and RA Capital Nexus Fund, L.P.

1.24 “**Registrable Securities**” means (i) the Common Stock held by Investors; (ii) the Common Stock issuable or issued upon conversion of Preferred Stock; (iii) any Common Stock, or any Common Stock issued or issuable (directly or indirectly) upon conversion and/or exercise of any other securities of the Company, acquired by the Investors after the date hereof; and (iv) any Common Stock issued as (or issuable upon the conversion or exercise of any warrant, right, or other security that is issued as) a dividend or other distribution with respect to, or in exchange for or in replacement of, the shares referenced in clauses (i), (ii) and (iii) above; excluding in all cases, however, any Registrable Securities sold by a Person in a transaction in which the applicable rights under this Agreement are not assigned pursuant to Subsection 6.1, and excluding for purposes of Section 2 any shares for which registration rights have terminated pursuant to Subsection 2.13 of this Agreement.

1.25 “**Registrable Securities then outstanding**” means the number of shares determined by adding the number of shares of outstanding Common Stock that are Registrable Securities and the number of shares of Common Stock issuable (directly or indirectly) pursuant to then exercisable and/or convertible securities that are Registrable Securities.

1.26 “**Restated Certificate**” means the Company’s Third Amended and Restated Certificate of Incorporation, as may be amended from time to time.

1.27 “**Restricted Securities**” means the securities of the Company required to be notated with the legend set forth in Subsection 2.12(b) hereof.

1.28 “**ROFR Agreement**” means that certain Second Amended and Restated Right of First Refusal and Co-Sale Agreement of even date herewith among the Company, the Investors and the other parties named therein.

1.29 “**SEC**” means the Securities and Exchange Commission.

1.30 “**SEC Rule 144**” means Rule 144 promulgated by the SEC under the Securities Act.

1.31 “**SEC Rule 145**” means Rule 145 promulgated by the SEC under the Securities Act.

1.32 “**Securities Act**” means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

1.33 “**Selling Expenses**” means all underwriting discounts, selling commissions, and stock transfer taxes applicable to the sale of Registrable Securities, and fees and disbursements of counsel for any Holder, except for the fees and disbursements of the Selling Holder Counsel borne and paid by the Company as provided in Subsection 2.6.

1.34 “**Series A Director**” means any director of the Company that the holders of record of the Series A Preferred Stock are entitled to elect pursuant to the Restated Certificate.

1.35 “**Series B Director**” means any director of the Company that the holders of record of the Series B Preferred Stock are entitled to elect pursuant to the Restated Certificate.

1.36 “**Series A Preferred Stock**” means shares of the Company’s Series A Preferred Stock, par value \$0.0001 per share.

1.37 “**Series B Preferred Stock**” means shares of the Company’s Series B Preferred Stock, par value \$0.0001 per share.

1.38 “**Series C Preferred Stock**” means shares of the Company’s Series C Preferred Stock, par value \$0.0001 per share.

1.39 “**Versant Ventures**” means Versant Venture Capital VI, L.P., Versant Voyageurs I, L.P., and Versant Voyageurs I Parallel, L.P.

1.40 “**Voting Agreement**” means that certain Second Amended and Restated Voting Agreement of even date herewith among the Company, the Investors and the other parties named therein.

2. Registration Rights. The Company covenants and agrees as follows:

2.1 Demand Registration.

(a) Form S-1 Demand. If at any time after the earlier of (i) three (3) years after the date of this Agreement or (ii) one hundred eighty (180) days after the effective date of the registration statement for the IPO, the Company receives a request from Holders of at least fifty percent (50%) of the Registrable Securities then outstanding that the Company file a Form S-1 registration statement with respect to at least forty percent (40%) of the Registrable Securities then outstanding, then the Company shall (x) within ten (10) days after the date such request is given, give notice thereof (the “**Demand Notice**”) to all Holders other than the Initiating Holders; and (y) as soon as practicable, and in any event within sixty (60) days after the date such request is given by the Initiating Holders, file a Form S-1 registration statement under the Securities Act covering all Registrable Securities that the Initiating Holders requested to be registered and any additional Registrable Securities requested to be included in such registration by any other Holders, as specified by notice given by each such Holder to the Company within twenty (20) days of the date the Demand Notice is given, and in each case, subject to the limitations of Subsections 2.1(c) and 2.3.

(b) Form S-3 Demand. If at any time when it is eligible to use a Form S-3 registration statement, the Company receives a request from Holders of at least fifty percent (50%) of the Registrable Securities then outstanding that the Company file a Form S-3 registration statement with respect to outstanding Registrable Securities of such Holders having an anticipated aggregate offering price, net of Selling Expenses, of at least \$5 million, then the Company shall (i) within ten (10) days after the date such request is given, give a Demand Notice to all Holders other than the Initiating Holders; and (ii) as soon as practicable, and in any event within sixty (60)

days after the date such request is given by the Initiating Holders, file a Form S-3 registration statement under the Securities Act covering all Registrable Securities requested to be included in such registration by any other Holders, as specified by notice given by each such Holder to the Company within twenty (20) days of the date the Demand Notice is given, and in each case, subject to the limitations of Subsections 2.1(c) and 2.3.

(c) Notwithstanding the foregoing obligations, if the Company furnishes to Holders requesting a registration pursuant to this Subsection 2.1 a certificate signed by the Company's chief executive officer stating that in the good faith judgment of the Company's Board of Directors it would be materially detrimental to the Company and its stockholders for such registration statement to either become effective or remain effective for as long as such registration statement otherwise would be required to remain effective, because such action would (i) materially interfere with a significant acquisition, corporate reorganization, or other similar transaction involving the Company; (ii) require premature disclosure of material information that the Company has a bona fide business purpose for preserving as confidential; or (iii) render the Company unable to comply with requirements under the Securities Act or Exchange Act, then the Company shall have the right to defer taking action with respect to such filing, and any time periods with respect to filing or effectiveness thereof shall be tolled correspondingly, for a period of not more than one hundred twenty (120) days after the request of the Initiating Holders is given; provided, however, that the Company may not invoke this right more than once in any twelve (12) month period.

(d) The Company shall not be obligated to effect, or to take any action to effect, any registration pursuant to Subsection 2.1(a) (i) during the period that is sixty (60) days before the Company's good faith estimate of the date of filing of, and ending on a date that is one hundred eighty (180) days after the effective date of, a Company-initiated registration, provided that the Company is actively employing in good faith commercially reasonable efforts to cause such registration statement to become effective; (ii) after the Company has effected two registrations pursuant to Subsection 2.1(a); or (iii) if the Initiating Holders propose to dispose of shares of Registrable Securities that may be immediately registered on Form S-3 pursuant to a request made pursuant to Subsection 2.1(b). The Company shall not be obligated to effect, or to take any action to effect, any registration pursuant to Subsection 2.1(b) (A) during the period that is thirty (30) days before the Company's good faith estimate of the date of filing of, and ending on a date that is ninety (90) days after the effective date of, a Company-initiated registration, provided that the Company is actively employing in good faith commercially reasonable efforts to cause such registration statement to become effective; or (B) if the Company has effected two registrations pursuant to Subsection 2.1(b) within the twelve (12) month period immediately preceding the date of such request. A registration shall not be counted as "effected" for purposes of this Subsection 2.1(d) until such time as the applicable registration statement has been declared effective by the SEC, unless the Initiating Holders withdraw their request for such registration, elect not to pay the registration expenses therefor, and forfeit their right to one demand registration statement pursuant to Subsection 2.6, in which case such withdrawn registration statement shall be counted as "effected" for purposes of this Subsection 2.1(d); provided, that if such withdrawal is during a period the Company has deferred taking action pursuant to Subsection 2.1(c), then the Initiating Holders may withdraw their request for registration and such registration will not be counted as "effected" for purposes of this Subsection 2.1(d).

2.2 Company Registration. If the Company proposes to register (including, for this purpose, a registration effected by the Company for stockholders other than the Holders) any of its Common Stock under the Securities Act in connection with the public offering of such securities solely for cash (other than in an Excluded Registration), the Company shall, at such time, promptly give each Holder notice of such registration. Upon the request of each Holder given within twenty (20) days after such notice is given by the Company, the Company shall, subject to the provisions of Subsection 2.3, cause to be registered all of the Registrable Securities that each such Holder has requested to be included in such registration. The Company shall have the right to terminate or withdraw any registration initiated by it under this Subsection 2.2 before the effective date of such registration, whether or not any Holder has elected to include Registrable Securities in such registration. The expenses (other than Selling Expenses) of such withdrawn registration shall be borne by the Company in accordance with Subsection 2.6.

### 2.3 Underwriting Requirements.

(a) If, pursuant to Subsection 2.1, the Initiating Holders intend to distribute the Registrable Securities covered by their request by means of an underwriting, they shall so advise the Company as a part of their request made pursuant to Subsection 2.1, and the Company shall include such information in the Demand Notice. The underwriter(s) will be selected by the Company and shall be reasonably acceptable to a majority in interest of the Initiating Holders. In such event, the right of any Holder to include such Holder's Registrable Securities in such registration shall be conditioned upon such Holder's participation in such underwriting and the inclusion of such Holder's Registrable Securities in the underwriting to the extent provided herein. All Holders proposing to distribute their securities through such underwriting shall (together with the Company as provided in Subsection 2.4(c)) enter into an underwriting agreement in customary form with the underwriter(s) selected for such underwriting; provided, however, that no Holder (or any of their assignees) shall be required to make any representations, warranties or indemnities except as they relate to such Holder's ownership of shares and authority to enter into the underwriting agreement and to such Holder's intended method of distribution, and the liability of such Holder shall be several and not joint, and limited to an amount equal to the net proceeds from the offering received by such Holder. Notwithstanding any other provision of this Subsection 2.3, if the managing underwriter(s) advise(s) the Initiating Holders in writing that marketing factors require a limitation on the number of shares to be underwritten, then the Initiating Holders shall so advise all Holders of Registrable Securities that otherwise would be underwritten pursuant hereto, and the number of Registrable Securities that may be included in the underwriting shall be allocated among such Holders of Registrable Securities, including the Initiating Holders, in proportion (as nearly as practicable) to the number of Registrable Securities owned by each Holder or in such other proportion as shall mutually be agreed to by all such selling Holders; provided, however, that the number of Registrable Securities held by the Holders to be included in such underwriting shall not be reduced unless all other securities are first entirely excluded from the underwriting. To facilitate the allocation of shares in accordance with the above provisions, the Company or the underwriters may round the number of shares allocated to any Holder to the nearest one hundred (100) shares.



(b) In connection with any offering involving an underwriting of shares of the Company's capital stock pursuant to Subsection 2.2, the Company shall not be required to include any of the Holders' Registrable Securities in such underwriting unless the Holders accept the terms of the underwriting as agreed upon between the Company and its underwriters, and then only in such quantity as the underwriters in their sole discretion determine will not jeopardize the success of the offering by the Company. If the total number of securities, including Registrable Securities, requested by stockholders to be included in such offering exceeds the number of securities to be sold (other than by the Company) that the underwriters in their reasonable discretion determine is compatible with the success of the offering, then the Company shall be required to include in the offering only that number of such securities, including Registrable Securities, which the underwriters and the Company in their sole discretion determine will not jeopardize the success of the offering. If the underwriters determine that less than all of the Registrable Securities requested to be registered can be included in such offering, then the Registrable Securities that are included in such offering shall be allocated among the selling Holders in proportion (as nearly as practicable to) the number of Registrable Securities owned by each selling Holder or in such other proportions as shall mutually be agreed to by all such selling Holders. To facilitate the allocation of shares in accordance with the above provisions, the Company or the underwriters may round the number of shares allocated to any Holder to the nearest one hundred (100) shares. Notwithstanding the foregoing, in no event shall (i) the number of Registrable Securities included in the offering be reduced unless all other securities (other than securities to be sold by the Company) are first entirely excluded from the offering, or (ii) the number of Registrable Securities included in the offering be reduced below thirty percent (30%) of the total number of securities included in such offering, unless such offering is the IPO, in which case the selling Holders may be excluded further if the underwriters make the determination described above and no other stockholder's securities are included in such offering. For purposes of the provision in this Subsection 2.3(b) concerning apportionment, for any selling Holder that is a partnership, limited liability company, or corporation, the partners, members, retired partners, retired members, stockholders, and Affiliates of such Holder, or the estates and Immediate Family Members of any such partners, retired partners, members, and retired members and any trusts for the benefit of any of the foregoing Persons, shall be deemed to be a single "selling Holder," and any pro rata reduction with respect to such "selling Holder" shall be based upon the aggregate number of Registrable Securities owned by all Persons included in such "selling Holder," as defined in this sentence.

2.4 Obligations of the Company. Whenever required under this Section 2 to effect the registration of any Registrable Securities, the Company shall, as expeditiously as reasonably possible:

(a) prepare and file with the SEC a registration statement with respect to such Registrable Securities and use its commercially reasonable efforts to cause such registration statement to become effective and, upon the request of the Holders of a majority of the Registrable Securities registered thereunder, keep such registration statement effective for a period of up to one hundred twenty (120) days or, if earlier, until the distribution contemplated in the registration statement has been completed; provided, however, that (i) such one hundred twenty (120) day period shall be extended for a period of time equal to the period the Holder refrains, at the request of an underwriter of Common Stock (or other securities) of the Company, from selling any securities included in such registration, and (ii) in the case of any registration of Registrable Securities on Form S-3 that are intended to be offered on a continuous or delayed basis, subject to compliance with applicable SEC rules, such one hundred twenty (120) day period shall be extended for up to one hundred eighty (180) days, if necessary, to keep the registration statement effective until all such Registrable Securities are sold;

(b) prepare and file with the SEC such amendments and supplements to such registration statement, and the prospectus used in connection with such registration statement, as may be necessary to comply with the Securities Act in order to enable the disposition of all securities covered by such registration statement;

(c) furnish to the selling Holders such numbers of copies of a prospectus, including a preliminary prospectus, as required by the Securities Act, and such other documents as the Holders may reasonably request in order to facilitate their disposition of their Registrable Securities;

(d) use its commercially reasonable efforts to register and qualify the securities covered by such registration statement under such other securities or blue-sky laws of such jurisdictions as shall be reasonably requested by the selling Holders; provided that the Company shall not be required to qualify to do business or to file a general consent to service of process in any such states or jurisdictions, unless the Company is already subject to service in such jurisdiction and except as may be required by the Securities Act;

(e) in the event of any underwritten public offering, enter into and perform its obligations under an underwriting agreement, in usual and customary form, with the underwriter(s) of such offering;

(f) use its commercially reasonable efforts to cause all such Registrable Securities covered by such registration statement to be listed on a national securities exchange or trading system and each securities exchange and trading system (if any) on which similar securities issued by the Company are then listed;

(g) provide a transfer agent and registrar for all Registrable Securities registered pursuant to this Agreement and provide a CUSIP number for all such Registrable Securities, in each case not later than the effective date of such registration;

(h) promptly make available for inspection by the selling Holders, any managing underwriter(s) participating in any disposition pursuant to such registration statement, and any attorney or accountant or other agent retained by any such underwriter or selected by the selling Holders, all financial and other records, pertinent corporate documents, and properties of the Company, and cause the Company's officers, directors, employees, and independent accountants to supply all information reasonably requested by any such seller, underwriter, attorney, accountant, or agent, in each case, as necessary or advisable to verify the accuracy of the information in such registration statement and to conduct appropriate due diligence in connection therewith;

(i) notify each selling Holder, promptly after the Company receives notice thereof, of the time when such registration statement has been declared effective or a supplement to any prospectus forming a part of such registration statement has been filed; and

(j) after such registration statement becomes effective, notify each selling Holder of any request by the SEC that the Company amend or supplement such registration statement or prospectus.

In addition, the Company shall ensure that, at all times after any registration statement covering a public offering of securities of the Company under the Securities Act shall have become effective, its insider trading policy shall provide that the Company's directors may implement a trading program under Rule 10b5-1 of the Exchange Act.

2.5 Furnish Information. It shall be a condition precedent to the obligations of the Company to take any action pursuant to this Section 2 with respect to the Registrable Securities of any selling Holder that such Holder shall furnish to the Company such information regarding itself, the Registrable Securities held by it, and the intended method of disposition of such securities as is reasonably required to effect the registration of such Holder's Registrable Securities.

2.6 Expenses of Registration. All expenses (other than Selling Expenses) incurred in connection with registrations, filings, or qualifications pursuant to Section 2, including all registration, filing, and qualification fees; printers' and accounting fees; fees and disbursements of counsel for the Company, not to exceed \$30,000; and the reasonable fees and disbursements, of one counsel for the selling Holders ("**Selling Holder Counsel**"), shall be borne and paid by the Company; provided, however, that the Company shall not be required to pay for any expenses of any registration proceeding begun pursuant to Subsection 2.1 if the registration request is subsequently withdrawn at the request of the Holders of a majority of the Registrable Securities to be registered (in which case all selling Holders shall bear such expenses pro rata based upon the number of Registrable Securities that were to be included in the withdrawn registration), unless the Holders of a majority of the Registrable Securities agree to forfeit their right to one registration pursuant to Subsections 2.1(a) or 2.1(b), as the case may be; provided further that if, at the time of such withdrawal, the Holders shall have learned of a material adverse change in the condition, business, or prospects of the Company from that known to the Holders at the time of their request and have withdrawn the request with reasonable promptness after learning of such information then the Holders shall not be required to pay any of such expenses and shall not forfeit their right to one registration pursuant to Subsections 2.1(a) or 2.1(b). All Selling Expenses relating to Registrable Securities registered pursuant to this Section 2 shall be borne and paid by the Holders pro rata on the basis of the number of Registrable Securities registered on their behalf.

2.7 Delay of Registration. No Holder shall have any right to obtain or seek an injunction restraining or otherwise delaying any registration pursuant to this Agreement as the result of any controversy that might arise with respect to the interpretation or implementation of this Section 2.

2.8 Indemnification. If any Registrable Securities are included in a registration statement under this Section 2:

(a) To the extent permitted by law, the Company will indemnify and hold harmless each selling Holder, and the partners, members, officers, directors, and stockholders of each such Holder; legal counsel and accountants for each such Holder; any underwriter (as defined in the Securities Act) for each such Holder; and each Person, if any, who controls such Holder or underwriter within the meaning of the Securities Act or the Exchange Act, against any Damages, and the Company will pay to each such Holder, underwriter, controlling Person, or other aforementioned Person any legal or other expenses reasonably incurred thereby in connection with investigating or defending any claim or proceeding from which Damages may result, as such expenses are incurred; provided, however, that the indemnity agreement contained in this Subsection 2.8(a) shall not apply to amounts paid in settlement of any such claim or proceeding if such settlement is effected without the consent of the Company, which consent shall not be unreasonably withheld, nor shall the Company be liable for any Damages to the extent that they arise out of or are based upon actions or omissions made in reliance upon and in conformity with written information, regarding itself and the Registrable Securities held by it, furnished by or on behalf of any such Holder, underwriter, controlling Person, or other aforementioned Person expressly for use in connection with such registration except to the extent such information was corrected in a subsequent writing delivered to the Company within a reasonable time prior to or concurrently with the sale of Registrable Securities to the Person asserting the claim.

(b) To the extent permitted by law, each selling Holder, severally and not jointly, will indemnify and hold harmless the Company, and each of its directors, each of its officers who has signed the registration statement, each Person (if any), who controls the Company within the meaning of the Securities Act, legal counsel and accountants for the Company, any underwriter (as defined in the Securities Act), any other Holder selling securities in such registration statement, and any controlling Person of any such underwriter or other Holder, against any Damages, in each case only to the extent that such Damages arise out of or are based upon actions or omissions made in reliance upon and in conformity with written information, regarding itself and the Registrable Securities held by it, furnished by or on behalf of such selling Holder expressly for use in connection with such registration which was not corrected in a subsequent writing prior to or concurrently with the sale of Registrable Securities to the Person asserting the claim; and each such selling Holder will pay to the Company and each other aforementioned Person any legal or other expenses reasonably incurred thereby in connection with investigating or defending any claim or proceeding from which Damages may result, as such expenses are incurred; provided, however, that the indemnity agreement contained in this Subsection 2.8(b) shall not apply to amounts paid in settlement of any such claim or proceeding if such settlement is effected without the consent of the Holder, which consent shall not be unreasonably withheld; and provided further that in no event shall the aggregate amounts payable by any Holder by way of indemnity or contribution under Subsections 2.8(b) and 2.8(d) exceed the proceeds from the offering received by such Holder (net of any Selling Expenses paid by such Holder), except in the case of fraud or willful misconduct by such Holder.

(c) Promptly after receipt by an indemnified party under this Subsection 2.8 of notice of the commencement of any action (including any governmental action) for which a party may be entitled to indemnification hereunder, such indemnified party will, if a claim in respect thereof is to be made against any indemnifying party under this Subsection 2.8, give the indemnifying party notice of the commencement thereof. The indemnifying party shall have the right to participate in such action and, to the extent the indemnifying party so desires, participate jointly with any other indemnifying party to which notice has been given, and to assume the defense thereof with counsel mutually satisfactory to the parties; provided, however, that an indemnified party (together with all other indemnified parties that may be represented without

conflict by one counsel) shall have the right to retain one separate counsel, with the fees and expenses to be paid by the indemnifying party, if representation of such indemnified party by the counsel retained by the indemnifying party would be inappropriate due to actual or potential differing interests between such indemnified party and any other party represented by such counsel in such action. The failure to give notice to the indemnifying party within a reasonable time of the commencement of any such action shall relieve such indemnifying party of any liability to the indemnified party under this Subsection 2.8, to the extent that such failure materially prejudices the indemnifying party's ability to defend such action. The failure to give notice to the indemnifying party will not relieve it of any liability that it may have to any indemnified party otherwise than under this Subsection 2.8.

(d) To provide for just and equitable contribution to joint liability under the Securities Act in any case in which either: (i) any party otherwise entitled to indemnification hereunder makes a claim for indemnification pursuant to this Subsection 2.8 but it is judicially determined (by the entry of a final judgment or decree by a court of competent jurisdiction and the expiration of time to appeal or the denial of the last right of appeal) that such indemnification may not be enforced in such case, notwithstanding the fact that this Subsection 2.8 provides for indemnification in such case, or (ii) contribution under the Securities Act may be required on the part of any party hereto for which indemnification is provided under this Subsection 2.8, then, and in each such case, such parties will contribute to the aggregate losses, claims, damages, liabilities, or expenses to which they may be subject (after contribution from others) in such proportion as is appropriate to reflect the relative fault of each of the indemnifying party and the indemnified party in connection with the statements, omissions, or other actions that resulted in such loss, claim, damage, liability, or expense, as well as to reflect any other relevant equitable considerations. The relative fault of the indemnifying party and of the indemnified party shall be determined by reference to, among other things, whether the untrue or allegedly untrue statement of a material fact, or the omission or alleged omission of a material fact, relates to information supplied by the indemnifying party or by the indemnified party and the parties' relative intent, knowledge, access to information, and opportunity to correct or prevent such statement or omission; provided, however, that, in any such case (x) no Holder will be required to contribute any amount in excess of the public offering price of all such Registrable Securities offered and sold by such Holder pursuant to such registration statement, and (y) no Person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) will be entitled to contribution from any Person who was not guilty of such fraudulent misrepresentation; and provided further that in no event shall a Holder's liability pursuant to this Subsection 2.8(d), when combined with the amounts paid or payable by such Holder pursuant to Subsection 2.8(b), exceed the proceeds from the offering received by such Holder (net of any Selling Expenses paid by such Holder), except in the case of willful misconduct or fraud by such Holder.

(e) Notwithstanding the foregoing, to the extent that the provisions on indemnification and contribution contained in the underwriting agreement entered into in connection with the underwritten public offering are in conflict with the foregoing provisions, the provisions in the underwriting agreement shall control.

(f) Unless otherwise superseded by an underwriting agreement entered into in connection with the underwritten public offering, the obligations of the Company and Holders under this Subsection 2.8 shall survive the completion of any offering of Registrable Securities in a registration under this Section 2, and otherwise shall survive the termination of this Agreement.

2.9 Reports Under Exchange Act. With a view to making available to the Holders the benefits of SEC Rule 144 and any other rule or regulation of the SEC that may at any time permit a Holder to sell securities of the Company to the public without registration or pursuant to a registration on Form S-3, the Company shall:

(a) make and keep available adequate current public information, as those terms are understood and defined in SEC Rule 144, at all times after the effective date of the registration statement filed by the Company for the IPO;

(b) use commercially reasonable efforts to file with the SEC in a timely manner all reports and other documents required of the Company under the Securities Act and the Exchange Act (at any time after the Company has become subject to such reporting requirements); and

(c) furnish to any Holder, so long as the Holder owns any Registrable Securities, forthwith upon request (i) to the extent accurate, a written statement by the Company that it has complied with the reporting requirements of SEC Rule 144 (at any time after ninety (90) days after the effective date of the registration statement filed by the Company for the IPO), the Securities Act, and the Exchange Act (at any time after the Company has become subject to such reporting requirements), or that it qualifies as a registrant whose securities may be resold pursuant to Form S-3 (at any time after the Company so qualifies); (ii) a copy of the most recent annual or quarterly report of the Company and such other reports and documents so filed by the Company; and (iii) such other information as may be reasonably requested in availing any Holder of any rule or regulation of the SEC that permits the selling of any such securities without registration (at any time after the Company has become subject to the reporting requirements under the Exchange Act) or pursuant to Form S-3 (at any time after the Company so qualifies to use such form).

2.10 Limitations on Subsequent Registration Rights. From and after the date of this Agreement, the Company shall not, without the prior written consent of the Holders of a majority of the Registrable Securities then outstanding, enter into any agreement with any holder or prospective holder of any securities of the Company that would (i) provide to such holder or prospective holder the right to include securities in any registration on other than either a pro rata basis with respect to the Registrable Securities or on a subordinate basis after all Holders have had the opportunity to include in the registration and offering all shares of Registrable Securities that they wish to so include; or (ii) allow such holder or prospective holder to initiate a demand for registration of any securities held by such holder or prospective holder; provided that this limitation shall not apply to any additional Investor who becomes a party to this Agreement in accordance with Subsection 6.9.

2.11 "Market Stand-off" Agreement. Each Holder hereby agrees that it will not, without the prior written consent of the managing underwriter, during the period commencing on the date of the final prospectus relating to the IPO, and ending on the date specified by the Company and the managing underwriter (such period not to exceed one hundred eighty (180) days, or such other period as may be requested by the Company or an underwriter to accommodate

regulatory restrictions on (1) the publication or other distribution of research reports, and (2) analyst recommendations and opinions, including, but not limited to, the restrictions contained in FINRA Rule 2241(2)(I) or NYSE Rule 472(f)(4), or any successor provisions or amendments thereto), (i) lend; offer; pledge; sell; contract to sell; sell any option or contract to purchase; purchase any option or contract to sell; grant any option, right, or warrant to purchase; or otherwise transfer or dispose of, directly or indirectly, any shares of Common Stock or any securities convertible into or exercisable or exchangeable (directly or indirectly) for Common Stock (whether such shares or any such securities are then owned by the Holder or are thereafter acquired) or (ii) enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of such securities, whether any such transaction described in clause (i) or (ii) above is to be settled by delivery of Common Stock or other securities, in cash, or otherwise. The foregoing provisions of this Subsection 2.11 shall not apply to (a) the sale of any shares of Common Stock (x) purchased by Holder in connection with the IPO, (y) acquired in any of the Company's public offerings that occur after the IPO or in any of the Company's private placements that occur concurrent with or after the IPO, or (z) acquired in the open market at any time after the IPO; (b) the sale of any shares to an underwriter pursuant to an underwriting agreement; or (c) the transfer of any shares to any trust for the direct or indirect benefit of the Holder or the immediate family of the Holder, provided that the trustee of the trust agrees to be bound in writing by the restrictions set forth herein, and provided further that any such transfer shall not involve a disposition for value, and shall be applicable to the Holders only if all officers and directors are subject to the same restrictions and the Company obtains a similar agreement from all stockholders individually owning more than one percent (1%) of the Company's outstanding Common Stock (after giving effect to conversion into Common Stock of all outstanding Preferred Stock). The underwriters in connection with such registration are intended third-party beneficiaries of this Subsection 2.11 and shall have the right, power and authority to enforce the provisions hereof as though they were a party hereto. Each Holder further agrees to execute such agreements as may be reasonably requested by the underwriters in connection with such registration that are consistent with this Subsection 2.11 or that are necessary to give further effect thereto. Any discretionary waiver or termination of the restrictions of any or all lockup agreements by the Company or the underwriters shall apply pro rata to all Holders subject to such agreements, based on the number of shares subject to such agreements.

#### 2.12 Restrictions on Transfer.

(a) The Preferred Stock and the Registrable Securities shall not be sold, pledged, or otherwise transferred, and the Company shall not recognize and shall issue stop-transfer instructions to its transfer agent with respect to any such sale, pledge, or transfer, except upon the conditions specified in this Agreement, which conditions are intended to ensure compliance with the provisions of the Securities Act. A transferring Holder will cause any proposed purchaser, pledgee, or transferee of the Preferred Stock and the Registrable Securities held by such Holder to agree to take and hold such securities subject to the provisions and upon the conditions specified in this Agreement.

(b) Each certificate, instrument, or book entry representing (i) the Preferred Stock, (ii) the Registrable Securities, and (iii) any other securities issued in respect of the securities referenced in clauses (i) and (ii), upon any stock split, stock dividend, recapitalization, merger, consolidation, or similar event, shall (unless otherwise permitted by the provisions of Subsection 2.12(c)) be notated with a legend substantially in the following form:

THE SECURITIES REPRESENTED HEREBY HAVE BEEN ACQUIRED FOR INVESTMENT AND HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933. SUCH SHARES MAY NOT BE SOLD, PLEDGED, OR TRANSFERRED IN THE ABSENCE OF SUCH REGISTRATION OR A VALID EXEMPTION FROM THE REGISTRATION AND PROSPECTUS DELIVERY REQUIREMENTS OF SAID ACT.

THE SECURITIES REPRESENTED HEREBY MAY BE TRANSFERRED ONLY IN ACCORDANCE WITH THE TERMS OF AN AGREEMENT BETWEEN THE COMPANY AND THE STOCKHOLDER, A COPY OF WHICH IS ON FILE WITH THE SECRETARY OF THE COMPANY.

The Holders consent to the Company making a notation in its records and giving instructions to any transfer agent of the Restricted Securities in order to implement the restrictions on transfer set forth in this Subsection 2.12.

(c) The holder of such Restricted Securities, by acceptance of ownership thereof, agrees to comply in all respects with the provisions of this Section 2. Before any proposed sale, pledge, or transfer of any Restricted Securities, unless there is in effect a registration statement under the Securities Act covering the proposed transaction, the Holder thereof shall give notice to the Company of such Holder's intention to effect such sale, pledge, or transfer, provided that no such notice shall be required in connection if the intended sale, pledge or transfer complies with SEC Rule 144. Each such notice shall describe the manner and circumstances of the proposed sale, pledge, or transfer in sufficient detail and, if reasonably requested by the Company, shall be accompanied at such Holder's expense by either (i) a written opinion of legal counsel who shall, and whose legal opinion shall, be reasonably satisfactory to the Company, addressed to the Company, to the effect that the proposed transaction may be effected without registration under the Securities Act; (ii) a "no action" letter from the SEC to the effect that the proposed sale, pledge, or transfer of such Restricted Securities without registration will not result in a recommendation by the staff of the SEC that action be taken with respect thereto; or (iii) any other evidence reasonably satisfactory to counsel to the Company to the effect that the proposed sale, pledge, or transfer of the Restricted Securities may be effected without registration under the Securities Act, whereupon the Holder of such Restricted Securities shall be entitled to sell, pledge, or transfer such Restricted Securities in accordance with the terms of the notice given by the Holder to the Company. The Company will not require such a legal opinion or "no action" letter (x) in any transaction in compliance with SEC Rule 144; or (y) in any transaction in which such Holder distributes Restricted Securities to an Affiliate of such Holder for no consideration; provided that each transferee agrees in writing to be subject to the terms of this Subsection 2.12. Each certificate, instrument, or book entry representing the Restricted Securities transferred as above provided shall be notated with, except if such transfer is made pursuant to SEC Rule 144, the appropriate restrictive legend set forth in Subsection 2.12(b), except that such certificate instrument, or book entry shall not be notated with such restrictive legend if, in the opinion of counsel for such Holder and the Company, such legend is not required in order to establish compliance with any provisions of the Securities Act.



2.13 Termination of Registration Rights. The right of any Holder to request registration or inclusion of Registrable Securities in any registration pursuant to Subsections 2.1 or 2.2 shall terminate upon the earliest to occur of:

(a) the closing of a Deemed Liquidation Event, as such term is defined in the Restated Certificate;

(b) such time as Rule 144 or another similar exemption under the Securities Act is available for the sale of all of such Holder's shares without limitation during a three-month period without registration; and

(c) the fifth (5th) anniversary of the IPO.

### 3. Information Rights.

3.1 Delivery of Financial Statements. The Company shall deliver to each Major Investor; provided, that the Board of Directors has not reasonably determined that such Major Investor is a Competitor (provided that Major Investors that are venture capital funds or professional investment funds shall not be deemed Competitors solely as a result of their investments in other companies):

(a) as soon as practicable, but in any event within one hundred twenty (120) days after the end of each fiscal year of the Company (i) a balance sheet as of the end of such year, (ii) statements of income and of cash flows for such year, and a comparison between (x) the actual amounts as of and for such fiscal year and (y) the comparable amounts for the prior year and as included in the Budget (as defined in Subsection 3.1(d)) for such year, with an explanation of any material differences between such amounts and a schedule as to the sources and applications of funds for such year, and (iii) a statement of stockholders' equity as of the end of such year, all such financial statements prepared in accordance with GAAP and audited and certified by independent public accountants selected by the Company;

(b) as soon as practicable, but in any event within forty-five (45) days after the end of each of the first three (3) quarters of each fiscal year of the Company, unaudited statements of income and cash flows for such fiscal quarter, and an unaudited balance sheet as of the end of such fiscal quarter, all prepared in accordance with GAAP (except that such financial statements may (i) be subject to normal year-end audit adjustments; and (ii) not contain all notes thereto that may be required in accordance with GAAP);

(c) beginning on January 1, 2020, and within thirty (30) days of the end of each month thereafter, an unaudited income statement and statement of cash flows for such month, and an unaudited balance sheet as of the end of such month, all prepared in accordance with GAAP (except that such financial statements may (i) be subject to normal year-end audit adjustments and (ii) not contain all notes thereto that may be required in accordance with GAAP);

(d) beginning after January 1, 2020, by the end of the first fiscal quarter of each year, a budget and business plan for that fiscal year (collectively, the "**Budget**"), approved by the Board of Directors; and

(e) such other information relating to the financial condition, business, prospects, or corporate affairs of the Company as any Major Investor may from time to time reasonably request; provided, however, that the Company shall not be obligated under this Subsection 3.1 to provide information (i) that the Company reasonably determines in good faith to be a trade secret or confidential information (unless covered by an enforceable confidentiality agreement, in a form acceptable to the Company); or (ii) the disclosure of which would adversely affect the attorney-client privilege between the Company and its counsel.

If, for any period, the Company has any subsidiary whose accounts are consolidated with those of the Company, then in respect of such period the financial statements delivered pursuant to the foregoing sections shall be the consolidated and consolidating financial statements of the Company and all such consolidated subsidiaries.

Notwithstanding anything else in this Subsection 3.1 to the contrary, the Company may cease providing the information set forth in this Subsection 3.1 during the period starting with the date sixty (60) days before the Company's good-faith estimate of the date of filing of a registration statement if it reasonably concludes it must do so to comply with the SEC rules applicable to such registration statement and related offering; provided, that the Company's covenants under this Subsection 3.1 shall be reinstated at such time as the Company is no longer actively employing its commercially reasonable efforts to cause such registration statement to become effective.

3.2 Inspection. The Company shall permit each Major Investor (provided, that the Board of Directors has not reasonably determined that such Major Investor is a Competitor), at such Major Investor's expense, to visit and inspect the Company's properties; examine its books of account and records; and discuss the Company's affairs, finances, and accounts with its officers, during normal business hours of the Company as may be reasonably requested by the Major Investor; provided, however, that the Company shall not be obligated pursuant to this Subsection 3.2 to provide access to any information that it reasonably and in good faith considers to be a trade secret or confidential information (unless covered by an enforceable confidentiality agreement, in form acceptable to the Company) or the disclosure of which would adversely affect the attorney-client privilege between the Company and its counsel.

3.3 Board Observer Rights. The Company shall invite a representative of each of NEA, Nextech V Oncology S.C.S., SICAV-SIF ("Nextech"), Versant Venture Capital VI, L.P., and RA Capital to attend all meetings of the Board of Directors and its committees in a nonvoting observer capacity and, in this respect, shall give such representatives copies of all notices, minutes, consents, and other materials that it provides to its directors at the same time and in the same manner as provided to such directors; provided, however, that such representatives shall agree to hold in confidence and trust with respect to all information so provided; provided, further, that the Company reserves the right to withhold any information and to exclude such representatives from any meeting or portion thereof if access to such information or attendance at such meeting could adversely affect the attorney-client privilege between the Company and its counsel or result in disclosure of trade secrets or a conflict of interest. The rights provided under this Section 3.3 shall terminate with respect to any one of NEA, Nextech, Versant Venture Capital VI, L.P., and RA Capital upon the earlier of (1) such time when such investor owns less than four percent (4%) of the Company's outstanding common stock (on an as converted basis), as applicable and (2) when such investor elects to terminate the board observer rights.

3.4 Termination of Information Rights. The covenants set forth in Subsections 3.1 and 3.2 shall terminate and be of no further force or effect (i) immediately before the consummation of the Qualified IPO, as defined in the Restated Certificate, (ii) when the Company first becomes subject to the periodic reporting requirements of Section 12(g) or 15(d) of the Exchange Act, or (iii) upon a Deemed Liquidation Event, as such term is defined in the Restated Certificate, whichever event occurs first.

3.5 Confidentiality. Each Investor agrees that such Investor will keep confidential and will not disclose, divulge, or use for any purpose (other than to monitor its investment in the Company) any confidential information obtained from the Company pursuant to the terms of this Agreement (including notice of the Company's intention to file a registration statement), unless such confidential information (a) is or becomes available to the public in general (other than as a result of a breach of this Subsection 3.5 by such Investor), (b) is or has been independently developed or conceived by such Investor without use of the Company's confidential information, or (c) is or has been made known or disclosed to such Investor by a third party without a breach of any obligation of confidentiality such third party may have to the Company; provided, however, that an Investor may disclose confidential information (i) to its attorneys, accountants, consultants, and other professionals to the extent necessary to obtain their services in connection with monitoring its investment in the Company; (ii) to any prospective purchaser of any Registrable Securities from such Investor, if such current or prospective purchaser agrees to be bound by the provisions of this Subsection 3.5; (iii) to any prospective Affiliate, partner, partner of partner, member, stockholder, or wholly owned subsidiary of such Investor in the ordinary course of business; provided, that such Investor informs such Person that such information is confidential and directs such Person to maintain the confidentiality of such information; or (iv) as may otherwise be required by law, regulation, rule, court order or subpoena; provided, that such Investor promptly notifies the Company of such disclosure and takes reasonable steps to minimize the extent of any such required disclosure.

#### 4. Rights to Future Stock Issuances.

4.1 Right of First Offer. Subject to the terms and conditions of this Subsection 4.1 and applicable securities laws, if the Company proposes to offer or sell any New Securities, the Company shall first offer such New Securities to each Major Investor. A Major Investor shall be entitled to apportion the right of first offer hereby granted to it in such proportions as it deems appropriate, among (i) itself, (ii) its Affiliates and (iii) its beneficial interest holders, such as limited partners, members or any other Person having "beneficial ownership," as such term is defined in Rule 13d-3 promulgated under the Exchange Act, of such Major Investor ("**Investor Beneficial Owners**"); provided that each such Affiliate or Investor Beneficial Owner (x) is not a Competitor, unless such party's purchase of New Securities is otherwise consented to by the Board of Directors, (y) agrees to enter into this Agreement and each of the Voting Agreement and ROFR Agreement as an "**Investor**" under each such agreement (provided that any Competitor shall not be entitled to any rights as a Major Investor under Subsections 3.1, 3.2 and 4.1 hereof), and (z) agrees to purchase at least such number of New Securities as are allocable hereunder to the Major Investor holding the fewest number of shares of Preferred Stock and any other Derivative Securities.

(a) The Company shall give notice (the “**Offer Notice**”) to each Major Investor, stating (i) its bona fide intention to offer such New Securities, (ii) the number of such New Securities to be offered, and (iii) the price and terms, if any, upon which it proposes to offer such New Securities.

(b) By notification to the Company within twenty (20) days after the Offer Notice is given, each Major Investor may elect to purchase or otherwise acquire, at the price and on the terms specified in the Offer Notice, up to that portion of such New Securities which equals the proportion that the Common Stock then held by such Major Investor (including all shares of Common Stock then issuable (directly or indirectly) upon conversion and/or exercise, as applicable, of the Preferred Stock and any other Derivative Securities then held by such Major Investor) bears to the total Common Stock of the Company then outstanding (assuming full conversion and/or exercise, as applicable, of all Preferred Stock and other Derivative Securities). At the expiration of such twenty (20) day period, the Company shall promptly notify each Major Investor that elects to purchase or acquire all the shares available to it (each, a “**Fully Exercising Investor**”) of any other Major Investor’s failure to do likewise. During the ten (10) day period commencing after the Company has given such notice, each Fully Exercising Investor may, by giving notice to the Company, elect to purchase or acquire, in addition to the number of shares specified above, up to that portion of the New Securities for which Major Investors were entitled to subscribe but that were not subscribed for by the Major Investors which is equal to the proportion that the Common Stock issued and held, or issuable (directly or indirectly) upon conversion and/or exercise, as applicable, of Preferred Stock and any other Derivative Securities then held, by such Fully Exercising Investor bears to the Common Stock issued and held, or issuable (directly or indirectly) upon conversion and/or exercise, as applicable, of the Preferred Stock and any other Derivative Securities then held, by all Fully Exercising Investors who wish to purchase such unsubscribed shares. The closing of any sale pursuant to this Subsection 4.1(b) shall occur within the later of one hundred and twenty (120) days of the date that the Offer Notice is given and the date of initial sale of New Securities pursuant to Subsection 4.1(c).

(c) If all New Securities referred to in the Offer Notice are not elected to be purchased or acquired as provided in Subsection 4.1(b), the Company may, during the one hundred twenty (120) day period following the expiration of the periods provided in Subsection 4.1(b), offer and sell the remaining unsubscribed portion of such New Securities to any Person or Persons at a price not less than, and upon terms no more favorable to the offeree than, those specified in the Offer Notice. If the Company does not enter into an agreement for the sale of the New Securities within such period, or if such agreement is not consummated within sixty (60) days of the execution thereof, the right provided hereunder shall be deemed to be revived and such New Securities shall not be offered unless first reoffered to the Major Investors in accordance with this Subsection 4.1.

(d) The right of first offer in this Subsection 4.1 shall not be applicable to (i) Exempted Securities (as defined in the Restated Certificate); (ii) shares of Common Stock issued in the IPO; and (iii) the issuance of shares of Series B Preferred Stock pursuant to the Purchase Agreement.

(e) Notwithstanding any provision hereof to the contrary, in lieu of complying with the provisions of this Subsection 4.1, the Company may elect to give notice to the Major Investors within thirty (30) days after the issuance of New Securities. Such notice shall describe the type, price, and terms of the New Securities. Each Major Investor shall have twenty (20) days from the date notice is given to elect to purchase up to the number of New Securities that would, if purchased by such Major Investor, maintain such Major Investor's percentage-ownership position, calculated as set forth in Subsection 4.1(b) before giving effect to the issuance of such New Securities. The closing of such sale shall occur within sixty (60) days of the date notice is given to the Major Investors.

4.2 Termination. The covenants set forth in Subsection 4.1 shall terminate and be of no further force or effect (i) immediately before the consummation of the Qualified IPO, (ii) when the Company first becomes subject to the periodic reporting requirements of Section 12(g) or 15(d) of the Exchange Act, or (iii) upon a Deemed Liquidation Event, whichever event occurs first.

#### 5. Additional Covenants.

5.1 Insurance. The Company shall use its commercially reasonable efforts to maintain from financially sound and reputable insurers Directors and Officers liability insurance in an amount of at least \$2,000,000 and on terms and conditions satisfactory to the Board of Directors until such time as the Board of Directors determines that such insurance should be discontinued. Such policy shall not be cancelable by the Company without prior approval by the Board of Directors, including the Preferred Directors. Notwithstanding any other provision of this Section 5.1 to the contrary, for so long as a Preferred Director is serving on the Board of Directors, the Company shall not cease to maintain a Directors and Officers liability insurance policy in an amount of at least \$2,000,000 unless approved by all of the Preferred Directors, and the Company shall annually, within one hundred twenty (120) days after the end of each fiscal year of the Company, deliver to the Investors a certification that such Directors and Officers liability insurance policy remains in effect.

5.2 Employee Agreements. The Company will cause (i) each Person now or hereafter employed by it or by any subsidiary (or engaged by the Company or any subsidiary as a consultant/independent contractor) with access to confidential information and/or trade secrets to enter into a nondisclosure and proprietary rights assignment agreement; and (ii) each Key Employee to enter into a one (1) year noncompetition and nonsolicitation agreement, substantially in the form approved by the Board of Directors. In addition, the Company shall not amend, modify, terminate, waive, or otherwise alter, in whole or in part, any of the above-referenced agreements or any restricted stock agreement between the Company and any employee, without the consent of three Preferred Directors.

5.3 Employee Stock. Unless otherwise approved by the Board of Directors, including the approval of three Preferred Directors, all future employees and consultants of the Company who purchase, receive options to purchase, or receive awards of shares of the Company's capital stock after the date hereof shall be required to execute restricted stock or option agreements, as applicable, providing for (i) vesting of shares over a four (4) year period, with the first twenty-five percent (25%) of such shares vesting following twelve (12) months of continued employment or service, and the remaining shares vesting in equal monthly installments over the following thirty-six (36) months, and (ii) a market stand-off provision substantially similar to that

in Subsection 2.11. In addition, unless otherwise approved by the Board of Directors, including the approval of three Preferred Directors, the Company shall retain a “right of first refusal” on employee transfers until the Company’s IPO and shall have the right to repurchase unvested shares at the lesser of cost or fair market value upon termination of employment of a holder of restricted stock.

5.4 Board and Observer Matters. The Company shall reimburse the nonemployee directors and the representatives invited to attend the meetings of the Board of Directors pursuant to Section 3.3 for all reasonable out-of-pocket travel expenses incurred (consistent with the Company’s travel policy) in connection with attending meetings of the Board of Directors and other meetings and events attended by such directors or representatives at the Company’s request. Independent directors may receive compensation at the discretion of the Board of Directors. The Company will maintain, a compensation committee, which shall consist solely of non-management directors, including at least one Series A Director and one Series B Director.

5.5 Indemnification; Successor Indemnification. The Company hereby acknowledges that each of the Preferred Directors may have certain rights to indemnification, advancement of expenses and/or insurance provided by one or more of the Investors and/or certain of its Affiliates (collectively, the “**Fund Indemnitors**”). The Company hereby agrees (i) that it is the indemnitor of first resort (i.e., its obligations to a Preferred Director are primary and any obligation of the Fund Indemnitors to advance expenses or to provide indemnification for the same expenses or liabilities incurred by a Preferred Director are secondary), (ii) that it shall be required to advance the full amount of expenses incurred by a Preferred Director and shall be liable for the full amount of all expenses, judgments, penalties, fines and amounts paid in settlement by or on behalf of any such Preferred Director to the extent legally permitted and as required by the Restated Certificate or Bylaws (or any agreement between the Company and a Preferred Director), without regard to any rights a Preferred Director may have against the Fund Indemnitors, and, (iii) that it irrevocably waives, relinquishes and releases the Fund Indemnitors from any and all claims against the Fund Indemnitors for contribution, subrogation or any other recovery of any kind in respect thereof. The Company further agrees that no advancement or payment by the Fund Indemnitors on behalf of a Preferred Director with respect to any claim for which a Preferred Director has sought indemnification from the Company shall affect the foregoing and the Fund Indemnitors shall have a right of contribution and/or be subrogated to the extent of such advancement or payment to all of the rights of recovery of a Preferred Director against the Company. If the Company or any of its successors or assignees consolidates with or merges into any other entity and is not the continuing or surviving corporation or entity of such consolidation or merger, then to the extent necessary, proper provision shall be made so that the successors and assignees of the Company assume the obligations of the Company with respect to indemnification of members of the Board of Directors as in effect immediately before such transaction, whether such obligations are contained in the Company’s Bylaws, its Restated Certificate, or elsewhere, as the case may be.

5.6 Right to Conduct Activities. The Company hereby agrees and acknowledges that certain of the Investors and any of their respective representatives currently may be invested in, may invest in or may consider investments in public and private companies some of which may compete either directly or indirectly with the Company or may be deemed competitive with the Company’s business (as currently conducted or as currently propose to be

conducted). The Company acknowledges that the execution of this Agreement, the terms hereof and the access to confidential information hereunder shall in no way be construed to prohibit or restrict Investors or any of their representatives from maintaining, making or considering such investments or from otherwise operating in the ordinary course of business. The Company hereby agrees that, to the extent permitted under applicable law, the Investors shall not be liable to the Company for any claim arising out of, or based upon, (i) the investment by the Investors in any entity competitive with the Company, or (ii) actions taken by any partner, officer or other representative of the Investors to assist any such competitive company, whether or not such action was taken as a member of the board of directors of such competitive company or otherwise, and whether or not such action has a detrimental effect on the Company; provided, however, that the foregoing shall not relieve (x) any of the Investors from liability associated with the unauthorized disclosure of the Company's confidential information obtained pursuant to this Agreement, or (y) any director or officer of the Company from any liability associated with his or her fiduciary duties to the Company.

5.7 Qualified Small Business Stock. The Company shall use commercially reasonable efforts to cause the shares of Preferred Stock, as well as any shares into which such shares are converted, within the meaning of Section 1202(f) of the Code, to constitute "qualified small business stock" as defined in Section 1202(c) of the Code; provided, however, that such requirement shall not be applicable if the Board of Directors determines, in its good-faith business judgment, that such qualification is inconsistent with the best interests of the Company. The Company shall submit to its stockholders (including the Investors) and to the Internal Revenue Service any reports that may be required under Section 1202(d)(1)(C) of the Code and the regulations promulgated thereunder. In addition, within twenty (20) business days after any Investor's written request therefor, the Company shall, at its option, either (i) deliver to such Investor a written statement indicating whether (and what portion of) such Investor's interest in the Company constitutes "qualified small business stock" as defined in Section 1202(c) of the Code or (ii) deliver to such Investor such factual information in the Company's possession as is reasonably necessary to enable such Investor to determine whether (and what portion of) such Investor's interest in the Company constitutes "qualified small business stock" as defined in Section 1202(c) of the Code.

5.8 Termination of Covenants. The covenants set forth in this Section 5, except for Subsections 5.5 and 5.6, shall terminate and be of no further force or effect (i) immediately before the consummation of the Qualified IPO, or (ii) upon a Deemed Liquidation Event, whichever event occurs first.

#### 6. Miscellaneous.

6.1 Successors and Assigns. The rights under this Agreement may be assigned (but only with all related obligations) by a Holder to a transferee of Registrable Securities that (i) is an Affiliate of a Holder; (ii) is a Holder's Immediate Family Member or trust for the benefit of an individual Holder or one or more of such Holder's Immediate Family Members; or (iii) after such transfer, holds at least 400,000 shares of the Registrable Securities then outstanding (subject to appropriate adjustment for stock splits, stock dividends, combinations, and other recapitalizations); provided, however, that (x) the Company is, within a reasonable time after such transfer, furnished with written notice of the name and address of such transferee and the

Registrable Securities with respect to which such rights are being transferred; and (y) such transferee agrees in a written instrument delivered to the Company to be bound by and subject to the terms and conditions of this Agreement, including the provisions of Subsection 2.11. For the purposes of determining the number of shares of Registrable Securities held by a transferee, the holdings of a transferee (1) that is an Affiliate or stockholder of a Holder; (2) who is a Holder's Immediate Family Member; or (3) that is a trust for the benefit of an individual Holder or such Holder's Immediate Family Member shall be aggregated together and with those of the transferring Holder; provided further that all transferees who would not qualify individually for assignment of rights shall have a single attorney-in-fact for the purpose of exercising any rights, receiving notices, or taking any action under this Agreement. The terms and conditions of this Agreement inure to the benefit of and are binding upon the respective successors and permitted assignees of the parties. Nothing in this Agreement, express or implied, is intended to confer upon any party other than the parties hereto or their respective successors and permitted assignees any rights, remedies, obligations or liabilities under or by reason of this Agreement, except as expressly provided herein.

6.2 Governing Law. This Agreement and any controversy arising out of or relating to this Agreement shall be governed by and construed in accordance with the laws of the State of Delaware without regard to conflict of law principles.

6.3 Counterparts. This Agreement may be executed in two (2) or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Counterparts may be delivered via facsimile, electronic mail (including pdf or any electronic signature complying with the U.S. federal ESIGN Act of 2000, *e.g.*, www.docusign.com) or other transmission method and any counterpart so delivered shall be deemed to have been duly and validly delivered and be valid and effective for all purposes.

6.4 Titles and Subtitles. The titles and subtitles used in this Agreement are for convenience only and are not to be considered in construing or interpreting this Agreement.

6.5 Notices. All notices and other communications given or made pursuant to this Agreement shall be in writing and shall be deemed effectively given upon the earlier of actual receipt or (i) personal delivery to the party to be notified; (ii) when sent, if sent by electronic mail or facsimile during the recipient's normal business hours, and if not sent during normal business hours, then on the recipient's next business day (provided, that in either case it is followed promptly by a confirming copy of the notice given via another authorized means for that recipient); (iii) five (5) days after having been sent to a U.S. address by registered or certified mail, return receipt requested, postage prepaid; (iv) one (1) business day after the business day of deposit with a nationally recognized overnight courier, freight prepaid, specifying next-day delivery to a U.S. address, with written verification of receipt; or (v) three (3) business days after deposit with an internationally recognized expedited delivery services company, freight prepaid for delivery to a non-U.S. address, specifying next available business day delivery, with written verification of receipt; provided, however, that notice and other communications given or made to Roche Finance Ltd shall be provided only using the methods set forth in clauses (i), (ii) and (v) above. All communications shall be sent to the respective parties at their addresses as set forth on Schedule A hereto, or to the principal office of the Company and to the attention of the Chief Executive Officer, in the case of the Company, or to such email address, facsimile number, or address as



subsequently modified by written notice given in accordance with this Subsection 6.5. If notice is given to the Company, it shall be sent to Black Diamond Therapeutics, Inc., 139 Main Street, Suite 301, Cambridge, MA 02142; and a copy (which shall not constitute notice) shall also be sent to Goodwin Procter, 100 Northern Avenue, Boston, MA 02210, Attention: Robert E. Puopolo, Esq. and if notice is given to the Investors, a copy shall be sent to Wilson Sonsini Goodrich & Rosati, 650 Page Mill Rd, Palo Alto, CA 94304, Attn: Andrew D. Hoffman, Esq.

6.6 Amendments and Waivers. Any term of this Agreement may be amended and the observance of any term of this Agreement may be waived (either generally or in a particular instance, and either retroactively or prospectively) only with the written consent of the Company and the Requisite Preferred Holders (as defined in the Restated Certificate); provided further that the Company may in its sole discretion waive compliance with Subsection 2.12(c) (and the Company's failure to object promptly in writing after notification of a proposed assignment allegedly in violation of Subsection 2.12(c) shall be deemed to be a waiver); and provided further that any provision hereof may be waived by any waiving party on such party's own behalf, without the consent of any other party. Notwithstanding the foregoing, (a) this Agreement may not be amended or terminated and the observance of any term hereof may not be waived with respect to any Investor without the written consent of such Investor, unless such amendment, termination, or waiver applies to all Investors in the same fashion (it being agreed that a waiver of the provisions of Section 4 with respect to a particular transaction shall be deemed to apply to all Investors in the same fashion if such waiver does so by its terms, notwithstanding the fact that certain Investors may nonetheless, by agreement with the Company, purchase securities in such transaction), (b) Subsections 3.1, 3.2, 3.3, 4, and 5.6 and this clause (b) of this Subsection 6.6 may not be amended, modified, terminated or waived without the written consent of NEA, RA Capital, Versant Venture Capital VI, L.P. and Nextech, and (c) the definition of "Competitor" as it applies to Boxer, the Wellington Investor and Roche and this clause (c) of this Subsection 6.6 shall not be amended, modified, terminated or waived without the written consent of Boxer, the Wellington Investor or Roche, as applicable. The Company shall give prompt notice of any amendment or termination hereof or waiver hereunder to any party hereto that did not consent in writing to such amendment, termination, or waiver. Any amendment, termination, or waiver effected in accordance with this Subsection 6.6 shall be binding on all parties hereto, regardless of whether any such party has consented thereto. No waivers of or exceptions to any term, condition, or provision of this Agreement, in any one or more instances, shall be deemed to be or construed as a further or continuing waiver of any such term, condition, or provision. Notwithstanding anything to the contrary herein, in the event that the rights of a Major Investor to purchase New Securities under Section 4.1 are waived with respect to a particular offering of New Securities without such Major Investor's prior written consent (a "**Waived Investor**") and any Major Investor that participated in waiving such rights actually purchases New Securities in such offering, then the Company shall grant, and hereby grants, each Waived Investor the right to purchase, in a subsequent closing of such issuance on substantially the same terms and conditions, the same percentage of its full pro rata share of such New Securities as the highest percentage of any such purchasing Major Investor.

6.7 Severability. In case any one or more of the provisions contained in this Agreement is for any reason held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision of this Agreement, and such invalid, illegal, or unenforceable provision shall be reformed and construed so that it will be valid, legal, and enforceable to the maximum extent permitted by law.

6.8 Aggregation of Stock. All shares of Registrable Securities held or acquired by Affiliates shall be aggregated together for the purpose of determining the availability of any rights under this Agreement and such Affiliated persons may apportion such rights as among themselves in any manner they deem appropriate.

6.9 Additional Investors. Notwithstanding anything to the contrary contained herein, if the Company issues additional shares of the Company's Series C Preferred Stock after the date hereof, whether pursuant to the Purchase Agreement or otherwise, any purchaser of such shares of Series C Preferred Stock may become a party to this Agreement by executing and delivering an additional counterpart signature page to this Agreement, and thereafter shall be deemed an "Investor" for all purposes hereunder. No action or consent by the Investors shall be required for such joinder to this Agreement by such additional Investor, so long as such additional Investor has agreed in writing to be bound by all of the obligations as an "Investor" hereunder.

6.10 Entire Agreement. This Agreement (including any Schedules and Exhibits hereto) constitutes the full and entire understanding and agreement among the parties with respect to the subject matter hereof, and any other written or oral agreement relating to the subject matter hereof existing between the parties is expressly canceled. Upon the effectiveness of this Agreement, the Prior Agreement shall be deemed amended and restated and superseded and replaced in its entirety by this Agreement, and shall be of no further force or effect.

6.11 Dispute Resolution. Any unresolved controversy or claim arising out of or relating to this Agreement, except as (i) otherwise provided in this Agreement, or (ii) any such controversies or claims arising out of either party's intellectual property rights for which a provisional remedy or equitable relief is sought, shall be submitted to arbitration by one arbitrator mutually agreed upon by the parties, and if no agreement can be reached within thirty (30) days after names of potential arbitrators have been proposed by the American Arbitration Association (the "AAA"), then the arbitration shall be conducted by a panel of three arbitrators having reasonable experience in corporate finance transactions of the type provided for in this Agreement. In the event a three-arbitrator panel is used, each party shall nominate an independent and neutral "Party" arbitrator. The Party arbitrators shall then nominate a third, independent, neutral arbitrator who shall preside over the panel. The arbitration shall take place in New York City, New York, in accordance with the AAA rules then in effect, and judgment upon any award rendered in such arbitration will be binding and may be entered in any court having jurisdiction thereof. There shall be limited discovery prior to the arbitration hearing as follows: (a) exchange of witness lists and copies of documentary evidence and documents relating to or arising out of the issues to be arbitrated, (b) depositions of all party witnesses and (c) such other depositions as may be allowed by the arbitrators upon a showing of good cause. Depositions shall be conducted in accordance with the Delaware Code of Civil Procedure, the arbitrator shall be required to provide in writing to the parties the basis for the award or order of such arbitrator, and a court reporter shall record all hearings, with such record constituting the official transcript of such proceedings. Each party shall bear its own costs, expenses and attorneys' fees and an equal share of the arbitrator(s)' and any administrative fees of arbitration, unless the arbitrator(s) determine that a party has incurred unreasonable expenses due to vexatious or bad faith positions taken by another party, in which

event, the arbitrator(s) may make an award of all or any portion of such expense so incurred. Each of the parties to this Agreement consents to personal jurisdiction for any equitable action sought in the U.S. District Court for the Southern District of New York or any court of the State of New York having subject matter jurisdiction.

6.12 Waiver of Jury Trial: EACH PARTY HEREBY WAIVES ITS RIGHTS TO A JURY TRIAL OF ANY CLAIM OR CAUSE OF ACTION BASED UPON OR ARISING OUT OF THIS AGREEMENT, THE OTHER TRANSACTION DOCUMENTS, THE SECURITIES OR THE SUBJECT MATTER HEREOF OR THEREOF. THE SCOPE OF THIS WAIVER IS INTENDED TO BE ALL-ENCOMPASSING OF ANY AND ALL DISPUTES THAT MAY BE FILED IN ANY COURT AND THAT RELATE TO THE SUBJECT MATTER OF THIS TRANSACTION, INCLUDING, WITHOUT LIMITATION, CONTRACT CLAIMS, TORT CLAIMS (INCLUDING NEGLIGENCE), BREACH OF DUTY CLAIMS, AND ALL OTHER COMMON LAW AND STATUTORY CLAIMS. THIS SECTION HAS BEEN FULLY DISCUSSED BY EACH OF THE PARTIES HERETO AND THESE PROVISIONS WILL NOT BE SUBJECT TO ANY EXCEPTIONS. EACH PARTY HERETO HEREBY FURTHER WARRANTS AND REPRESENTS THAT SUCH PARTY HAS REVIEWED THIS WAIVER WITH ITS LEGAL COUNSEL, AND THAT SUCH PARTY KNOWINGLY AND VOLUNTARILY WAIVES ITS JURY TRIAL RIGHTS FOLLOWING CONSULTATION WITH LEGAL COUNSEL.

6.13 Delays or Omissions. No delay or omission to exercise any right, power, or remedy accruing to any party under this Agreement, upon any breach or default of any other party under this Agreement, shall impair any such right, power, or remedy of such nonbreaching or nondefaulting party, nor shall it be construed to be a waiver of or acquiescence to any such breach or default, or to any similar breach or default thereafter occurring, nor shall any waiver of any single breach or default be deemed a waiver of any other breach or default theretofore or thereafter occurring. All remedies, whether under this Agreement or by law or otherwise afforded to any party, shall be cumulative and not alternative.

6.14 Further Assurances. At any time or from time to time after the date hereof, the parties agree to cooperate with each other, and at the request of any other party, to execute and deliver any further instruments or documents and to take all such further action as the other party may reasonably request in order to evidence or effectuate the consummation of the transactions contemplated hereby and to otherwise carry out the intent of the parties hereunder

[Remainder of Page Intentionally Left Blank]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first written above.

**COMPANY:**

**BLACK DIAMOND THERAPEUTICS, INC.**

By: /s/ David M. Epstein

Name: David M. Epstein

Its: President & Chief Executive Officer

SIGNATURE PAGE TO INVESTOR RIGHTS AGREEMENT

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first written above.

**INVESTORS:**

**NEW ENTERPRISE ASSOCIATES 16, L.P.**

By: NEA Partners 16, L.P., its general partner

By: NEA 16 GP, LLC, its general partner

By: /s/ Louis S. Citron

Name: Louis S. Citron

Its: Chief Legal Officer

**NEA VENTURES 2018, LIMITED PARTNERSHIP**

By: /s/ Louis S. Citron

Name: Louis S. Citron

Its: Vice President

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**INVESTORS:**

**VERSANT VOYAGEURS I, L.P.**

By: Versant Voyageurs I GP Company  
Its: General Partner

By: /s/ Robin L. Praeger

Name: Robin L. Praeger  
Its: President

**VERSANT VENTURE CAPITAL VI, L.P.**

By: Versant Ventures VI GP, L.P.  
By: Versant Ventures VI GP-GP, LLC

By: /s/ Bradley J. Bolzon

Name: Bradley J. Bolzon  
Its: Managing Director

**VERSANT VOYAGEURS I PARALLEL, L.P.**

By: Versant Voyageurs I GP, L.P., its General Partner  
By: Versant Ventures VI GP, L.P., its General Partner  
By: Versant Ventures VI GP-GP, LLC

By: /s/ Bradley J. Bolzon

Name: Bradley J. Bolzon  
Its: Managing Director

**VERSANT VANTAGE I, L.P.**

By: Versant Vantage I GP, L.P.  
By: Versant Vantage I GP-GP, LLC  
Its: General Partner

By: /s/ Bradley J. Bolzon

Name: Bradley J. Bolzon  
Its: Managing Director

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**INVESTORS:**

**RA CAPITAL HEALTHCARE FUND, L.P.**

By: RA Capital Healthcare Fund GP, LLC  
Its: General Partner

By: /s/ Rajeev Shah

Name: Rajeev Shah

Its: Manager

**RA CAPITAL NEXUS FUND, L.P.**

By: RA Capital Nexus Fund GP, LLC  
Its: General Partner

By: /s/ Rajeev Shah

Name: Rajeev Shah

Its: Manager

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**INVESTORS:**

**BLACKWELL PARTNERS LLC - SERIES A**

By: /s/ Mark E. Corigliano  
Name: Mark E. Corigliano  
Its: Investment Manager  
DUMAC, Inc., Authorized Signatory

By: /s/ Jannine M. Lall  
Name: Jannine M. Lall  
Its: Head of Finance & Controller  
DUMAC, Inc., Authorized Signatory

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**INVESTORS:**

**NEXTECH V ONCOLOGY S.C.S., SICAV-SIF**

By: Nextech V GP S.á.r.l

Its: General Partner

By: /s/ Thomas Lips

Name: Thomas Lips

Its: Manager

By: /s/ James Pledger

Name: James Pledger

Its: Manager

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**INVESTORS:**

**PERCEPTIVE LIFE SCIENCES MASTER FUND,  
LTD.**

By: /s/ James Mannix

Name: James Mannix

Its: Chief Operating Officer

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**INVESTORS:**

**MINTZ LEVIN SPECIAL INVESTMENT FUND LLC –  
SERIES FISCAL 2019**

By: /s/ Megan N. Gates

Name: Megan N. Gates

Its: Manager

**MINTZ LEVIN SPECIAL INVESTMENT FUND LLC –  
SERIES FY20**

By: /s/ Megan N. Gates

Name: Megan N. Gates

Its: Manager

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**INVESTORS:**

**INVUS PUBLIC EQUITIES, L.P.**

By: /s/ Raymond Debbane

Name: Raymond Debbane

Its: President and CEO

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**INVESTORS:**

/s/ Robert J. Easton

Robert J. Easton

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**INVESTORS:**

**CITY HILL, LLC**

By: /s/ Jonathan Lim

Name: Jonathan Lim

Its: Managing Partner

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**INVESTORS:**

**SIGAL FAMILY INVESTMENTS, LLC**

By: /s/ Elliott Sigal

Name: Elliott Sigal

Its: Manager

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**INVESTORS:**

**ROCHE FINANCE LTD**

By: /s/ Carole Nuechterlein

Name: Carole Nuechterlein

Its: Authorized Signatory

By: /s/ Beat Kraehenmann

Name: Beat Kraehenmann

Its: Authorized Signatory

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**INVESTORS:**

/s/ David M. Epstein

David M. Epstein

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**INVESTORS:**

**Janus Henderson Capital Funds plc  
On behalf of its series Janus Henderson Global Life  
Sciences Fund**

**By: Janus Capital Management LLC**

By: /s/ Andrew Acker

Name: Andrew Acker

Title: Authorized Signatory

**Janus Henderson Horizon Fund – Biotechnology Fund**

**By: Janus Capital Management LLC**

By: /s/ Andrew Acker

Name: Andrew Acker

Title: Authorized Signatory

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**INVESTORS:**

**LOGOS OPPORTUNITIES FUND I, L.P.**

By: Logos Opportunities GP, LLC  
Its General Partner

By: /s/ Graham Walmsley

Name: Graham Walmsley

Its: Manager

Address: 345 California Street, Suite 600  
San Francisco, CA 94104

Electronic Mail: [graham@logoscapi.com](mailto:graham@logoscapi.com)

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**INVESTORS:**

**BIOTECHNOLOGY VALUE FUND, L.P.**

By: /s/ Mark Lampert  
Name: Mark Lampert  
Its: President BVF Inc., GP BVF Partners LP, itself GP  
Biotechnology Value Fund, L.P.

**BIOTECHNOLOGY VALUE FUND II, L.P.**

By: /s/ Mark Lampert  
Name: Mark Lampert  
Its: President BVF Inc., GP BVF Partners LP, itself GP  
Biotechnology Value Fund II, L.P.

**BIOTECHNOLOGY VALUE TRADING FUND OS,  
L.P.**

By: /s/ Mark Lampert  
Name: Mark Lampert  
Its: President BVF Inc., GP BVF Partners LP, itself GP  
BVF Partners OS, LTD, itself GP Biotechnology  
Value Trading Fund OS, L.P.

**BVF MSI SPV, LLC**

By: /s/ Mark Lampert  
Name: Mark Lampert  
Its: President BVF Inc., GP BVF Partners LP, itself  
Attorney In Fact MSI BVF SPV, LLC

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**INVESTORS:**

**WELLINGTON BIOMEDICAL INNOVATION  
MASTER INVESTORS (CAYMAN) I L.P.**

By: Wellington Management Company LLP  
Its: Investment Adviser

By: /s/ Valerie N. Tipping

Name: Valerie N. Tipping

Its: Managing Director & Counsel

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**INVESTORS:**

**BOXER CAPITAL, LLC**

By: /s/ Aaron Davis

Name: Aaron Davis

Its: Chief Executive Officer

**MVA INVESTORS, LLC**

By: /s/ Aaron Davis

Name: Aaron Davis

Its: Chief Executive Officer

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**INVESTORS:**

**CASDIN PARTNERS MASTER FUND, L.P.**

By: Casdin Partners GP, LLC

Its: General Partner

By: /s/ Eli Casdin

Name: Eli Casdin

Its: Managing Member

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**INVESTORS:**

**DEERFIELD PARTNERS, L.P.**

By: Deerfield Mgmt, L.P.  
General Partner

By: J.E. Flynn Capital, LLC  
General Partner

By: /s/ David J. Clark

Name: David J. Clark

Its: Authorized Signatory

SIGNATURE PAGE TO INVESTOR RIGHTS AGREEMENT



**SCHEDULE A**

**INVESTORS**

**Name and Address**

---

Versant Venture Capital VI, L.P.  
One Sansome Street, Suite 3630  
San Francisco, CA 94104  
Attn: Cathy Dring

Versant Voyageurs I, L.P.  
One Sansome Street, Suite 3630  
San Francisco, CA 94104  
Attn: Cathy Dring

Versant Voyageurs I Parallel, L.P.  
One Sansome Street, Suite 3630  
San Francisco, CA 94104  
Attn: Cathy Dring

Versant Vantage I, L.P.  
One Sansome Street, Suite 3630  
San Francisco, CA 94104  
Attn: Cathy Dring

New Enterprise Associates 16, L.P.  
c/o New Enterprise Associates  
1954 Greenspring Drive, Suite 600  
Timonium, MD 21093  
Attn: Louis Citron, Chief Legal Officer

NEA Ventures 2018, Limited Partnership  
c/o New Enterprise Associates  
1954 Greenspring Drive, Suite 600  
Timonium, MD 21093  
Attn: Louis Citron, Chief Legal Officer

RA Capital Healthcare Fund, L.P.  
RA Capital Management, LLC  
200 Berkeley Street  
18th Floor  
Boston, MA 02116  
Attn: General Counsel

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RA Capital Nexus Fund, L.P.  
200 Berkeley Street  
18th Floor  
Boston, MA 02116  
Attn: General Counsel

Blackwell Partners LLC – Series A  
280 S. Mangum Street, Suite 210  
Durham, NC 27701  
Attn: Jannine Lall

Invus Public Equities, L.P.  
c/o The Invus Group, LLC  
750 Lexington Ave. 30th Floor  
New York, NY 10022

Nextech V Oncology S.C.S., SICAV-SIF  
c/o Aztec Financial Services (Luxembourg) S.A.  
8 Rue Lou Hemmer  
L-1748 Luxembourg - Findel  
Grand-Duché de Luxembourg

Perceptive Life Sciences Master Fund, Ltd.  
51 Astor Place, 10th Floor  
New York, NY 10003  
Attn: Weston Nichols

Mintz Levin Special Investment Fund - Series FY20  
One Financial Center  
Boston, MA 02111  
Attn: Daniel I. DeWolf

Mintz Levin Special Investment Fund -  
Series Fiscal 2019  
One Financial Center  
Boston, MA 02111  
Attn: Daniel I. DeWolf

Robert J. Easton  
Bionest Partners  
380 Lexington Avenue  
Suite 1514  
New York, NY 10168

City Hill, LLC  
4653 Carmel Mountain Road, #308-501  
San Diego, CA 92130  
Attn: Jonathan Lim  
JL@cityhill.com

---

Sigal Family Investments, LLC  
32 Brearly Road  
Princeton, NJ 08540  
Attn: Elliott Sigal

Roche Finance Ltd  
Grenzacherstrasse 122  
4070 Basel, Switzerland  
Fax: + 41 61 687 0644  
Attention: Roche Venture Fund,  
Carole Nuechterlein

With a copy to:  
Hoffmann-La Roche Inc.  
Overlook at Great Notch  
150 Clove Road, 8th floor, Suite 8  
Little Falls, NJ 07424  
Attention: General Counsel

And to:  
Karl Handelsman  
Genentech Inc.  
1 DNA Way 33-4184  
South San Francisco, CA 94080

Boxer Capital, LLC  
11682 El Camino Real, Suite 320  
San Diego, CA 92130

MVA INVESTORS, LLC  
Casdin Partners Master Fund, L.P.  
1350 Avenue of the Americas, Suite 2600  
New York, NY 10019

Wellington Biomedical Innovation Master Investors  
(Cayman) I L.P.  
280 Congress Street  
Boston, MA 02210  
Attn: Peter McIsaac,  
Managing Director and Counsel

With a copy to:  
Wilmer Cutler Pickering Hale and Dorr LLP  
60 State Street  
Boston, MA 02109  
Attn: Jason L. Kropp

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Deerfield Partners, L.P.

Biotechnology Value Fund, L.P.  
44 Montgomery Street, 40th Floor  
San Francisco, CA 94104

Biotechnology Value Fund II, L.P.  
44 Montgomery Street, 40th Floor  
San Francisco, CA 94104

Biotechnology Value Trading Fund OS, L.P.  
PO Box 309 Uglund House, Grand Cayman,  
KY1-1104, Cayman Islands

BVF MSI SPV, LLC  
c/o Magnitude Capital  
200 Park Avenue, 56th Floor  
New York, NY 10166

Janus Henderson Horizon Fund - Biotechnology Fund  
c/o Janus Capital Management LLC  
151 Detroit Street  
Denver 80206  
Attn: Andy Acker  
Attn: Angela Morton  
Email: andy.acker@janushenderson.com;  
amorton@janushenderson.com

Janus Henderson Capital Funds plc on behalf of its series  
Janus Henderson Global Life Sciences Fund  
c/o Janus Capital Management LLC  
151 Detroit Street  
Denver 80206  
Attn: Andy Acker  
Attn: Angela Morton  
Email: andy.acker@janushenderson.com;  
amorton@janushenderson.com

---

Logos Opportunities Fund I, L.P.  
c/o Logos Opportunities GP, LLC  
345 California Street, Suite 600  
San Francisco, CA 94104  
graham@logoscapiatal.com

David M. Epstein  
13-B Shelford Rd  
Singapore 288527

Dawntreader Chestnut Advisors LLC  
Mintz Levin  
666 Third Avenue,  
New York, NY 10017  
Attn: Daniel I. DeWolf

Joel Papernik  
11 East 86<sup>th</sup> Street, Apt. 18B  
New York, NY 10028

Garry E. Menzel and Mary E. Henshall Family Trust  
105 Myrtle Street  
Boston, MA 02114

Stateside Developments USA LLC  
15634 Palma Lane  
Wellington, FL 33414

Leah Wu  
13-B Shelford Rd  
Singapore 288527

Robert Ryter  
18 Horizons Road  
Sharon, MA 02067

David N. Siegel  
350 Ocean Drive – Suite 904  
Key Biscayne, FL 33149

Amended and Restated David N. Siegel Revocable Trust  
dated November 16, 2015  
350 Ocean Drive – Suite 904  
Key Biscayne, FL 33149

The Garell Family Trust  
31 Whitesands Drive  
Newport Coast, CA 92657

TS-Capital Partners LLC  
350 Ocean Drive – Suite 904  
Key Biscayne, FL 33149

ZQ|CERT#|COY|CLS|RGSTRY|ACCT#|TRANSTYPE|RUN#|TRANS#

BLACK DIAMOND THERAPEUTICS  
 PO BOX 80906, Louisville, KY 40235-0906  
 US A SHARE  
 DESIGNATION (if ANY)  
 A00 1  
 A00 2  
 A00 3  
 A00 4

CUSIP IDENTIFIER XXXXXX XXX X  
 Holder ID XXXXXXXXXXXX  
 Insurance Value 1,000,000.00  
 Number of Shares 123456  
 DTC 12345678 123456789012345  
 Certificate Numbers  
 1234567890 1 1  
 1234567890 2 2  
 1234567890 3 3  
 1234567890 4 4  
 1234567890 5 5  
 1234567890 6 6  
 1234567890 7 7  
 Total Transaction

COMMON STOCK  
 PAR VALUE \$0.0001

BLACK DIAMOND THERAPEUTICS

BLACK DIAMOND THERAPEUTICS, INC.  
 INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE

Certificate Number ZQ00000000

Shares \*\*\*\*\*000000\*\*\*\*\*

SEE REVERSE FOR CERTAIN DEFINITIONS  
 CUSIP 09203E 10 5

THIS CERTIFIES THAT  
 MR. SAMPLE & MRS. SAMPLE & MR. SAMPLE & MRS. SAMPLE

is the owner of  
 \*\*\*ZERO HUNDRED THOUSAND ZERO HUNDRED AND ZERO\*\*\*

THIS CERTIFICATE IS TRANSFERABLE IN CITIES DESIGNATED BY THE TRANSFER AGENT, AVAILABLE ONLINE AT www.computershare.com

FULLY-PAID AND NON-ASSESSABLE SHARES OF COMMON STOCK OF

Black Diamond Therapeutics, Inc. (hereinafter called the "Company"), transferable on the books of the Company in person or by duly authorized attorney, upon surrender of this Certificate properly endorsed. This Certificate and the shares represented hereby, are issued and shall be held subject to all of the provisions of the Certificate of Incorporation, as amended, and the By-Laws, as amended, of the Company (copies of which are on file with the Company and with the Transfer Agent), to all of which each holder, by acceptance hereof, assents. This Certificate is not valid unless countersigned and registered by the Transfer Agent and Registrar.

Witness the facsimile seal of the Company and the facsimile signatures of its duly authorized officers.

*David M. St...*  
 President and Chief Executive Officer

*Alv Urts*  
 Chief Financial Officer

SEAL  
 BLACK DIAMOND THERAPEUTICS, INC.  
 INCORPORATED  
 SEPTEMBER 21, 2018  
 DELAWARE

DATED 00-000-YYYY  
 COUNTERSIGNED AND REGISTERED:  
 COMPUTERSHARE TRUST COMPANY, N.A.  
 TRANSFER AGENT AND REGISTRAR

By \_\_\_\_\_ AUTHORIZED SIGNATURE

1234567

**BLACK DIAMOND THERAPEUTICS, INC.**

THE COMPANY WILL FURNISH WITHOUT CHARGE TO EACH SHAREHOLDER WHO SO REQUESTS, A SUMMARY OF THE POWERS, DESIGNATIONS, PREFERENCES AND RELATIVE PARTICIPATING, OPTIONAL OR OTHER SPECIAL RIGHTS OF EACH CLASS OF STOCK OF THE COMPANY AND THE QUALIFICATIONS, LIMITATIONS OR RESTRICTIONS OF SUCH PREFERENCES AND RIGHTS, AND THE VARIATIONS IN RIGHTS, PREFERENCES AND LIMITATIONS DETERMINED FOR EACH SERIES, WHICH ARE FIXED BY THE CERTIFICATE OF INCORPORATION OF THE COMPANY, AS AMENDED, AND THE RESOLUTIONS OF THE BOARD OF DIRECTORS OF THE COMPANY, AND THE AUTHORITY OF THE BOARD OF DIRECTORS TO DETERMINE VARIATIONS FOR FUTURE SERIES. SUCH REQUEST MAY BE MADE TO THE OFFICE OF THE SECRETARY OF THE COMPANY OR TO THE TRANSFER AGENT. THE BOARD OF DIRECTORS MAY REQUIRE THE OWNER OF A LOST OR DESTROYED STOCK CERTIFICATE, OR HIS LEGAL REPRESENTATIVES, TO GIVE THE COMPANY A BOND TO INDEMNIFY IT AND ITS TRANSFER AGENTS AND REGISTRARS AGAINST ANY CLAIM THAT MAY BE MADE AGAINST THEM ON ACCOUNT OF THE ALLEGED LOSS OR DESTRUCTION OF ANY SUCH CERTIFICATE.

The following abbreviations, when used in the inscription on the face of this certificate, shall be construed as though they were written out in full according to applicable laws or regulations:

TEN COM - as tenants in common	UNIF GIFT MIN ACT - .....Custodian.....
TEN ENT - as tenants by the entireties	(Cust) (Minor)
JT TEN - as joint tenants with right of survivorship and not as tenants in common	under Uniform Gifts to Minors Act (State)
	UNIF TRF MIN ACT - .....Custodian (until age .....)
	(Cust) (Minor) under Uniform Transfers to Minors Act (State)

Additional abbreviations may also be used though not in the above list.

For value received, \_\_\_\_\_ hereby sell, assign and transfer unto \_\_\_\_\_ PLEASE INSERT SOCIAL SECURITY OR OTHER IDENTIFYING NUMBER OF ASSIGNEE

(PLEASE PRINT OR TYPEWRITE NAME AND ADDRESS, INCLUDING POSTAL ZIP CODE, OF ASSIGNEE)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ Shares  
of the common stock represented by the within Certificate, and do hereby irrevocably constitute and appoint \_\_\_\_\_ Attorney  
to transfer the said stock on the books of the within-named Company with full power of substitution in the premises.

Dated: \_\_\_\_\_ 20\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

**Signature(s) Guaranteed: Medallion Guarantee Stamp**

THE SIGNATURE(S) SHOULD BE GUARANTEED BY AN ELIGIBLE GUARANTOR INSTITUTION (Banks, Brokers, Savings and Loan Associations and Credit Unions) WITH MEMBERSHIP IN AN APPROVED SIGNATURE GUARANTEE MEDALLION PROGRAM, PURSUANT TO S.E.C. RULE 174d-15

Notice: The signature to this assignment must correspond with the name as written upon the face of the certificate, in every particular, without alteration or enlargement, or any change whatever.

SECURITY INSTRUCTIONS  
THIS IS AN UNREGISTERED SECURITY INSTRUMENT. IT IS NOT A RECEIPT OR A CHECK. IT IS NOT A WATERMARK. HOLD TO IT CLOSE TO YOUR WATERMARK.



The IRS requires that the named transfer agent ("we") report the cost basis of certain shares or units acquired after January 1, 2011. If your shares or units are covered by the legislation, and you requested to sell or transfer the shares or units using a specific cost basis calculation method, then we have processed as you requested. If you did not specify a cost basis calculation method, then we have defaulted to the first in, first out (FIFO) method. Please consult your tax advisor if you need additional information about cost basis.

If you do not keep in contact with the issuer or do not have any activity in your account for the time period specified by state law, your property may become subject to state unclaimed property laws and transferred to the appropriate state.

1534291

THIS WARRANT AND THE UNDERLYING SECURITIES AND THE SECURITIES, IF ANY, ISSUABLE UPON THE CONVERSION OF SUCH SECURITIES HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), OR UNDER THE SECURITIES LAWS OF ANY STATE. THESE SECURITIES MAY NOT BE OFFERED, SOLD OR OTHERWISE TRANSFERRED, PLEDGED OR HYPOTHECATED EXCEPT AS PERMITTED UNDER THE ACT AND APPLICABLE STATE SECURITIES LAWS PURSUANT TO AN EFFECTIVE REGISTRATION STATEMENT OR AN EXEMPTION THEREFROM. THE ISSUER OF THESE SECURITIES MAY REQUIRE AN OPINION OF COUNSEL REASONABLY SATISFACTORY TO THE ISSUER THAT SUCH OFFER, SALE OR TRANSFER, PLEDGE OR HYPOTHECATION OTHERWISE COMPLIES WITH THE ACT AND ANY APPLICABLE STATE SECURITIES LAWS.

ASET THERAPEUTICS, INC.

WARRANT TO PURCHASE STOCK

No. W-1

September 21, 2016

For value received, this Warrant is issued to **Roche Finance Ltd** ("**Holder**") and entitles Holder to subscribe for and purchase at the Exercise Price (as defined below) from ASET Therapeutics, Inc., a Delaware corporation (the "**Company**"), the Exercise Shares (as defined below) upon the terms and subject to the adjustments as provided herein. This Warrant is one of a series of similar Warrants (collectively, the "**Warrants**") issued pursuant to that certain Note and Warrant Purchase Agreement, dated as of the date hereof and executed by Holder and the Purchasers identified on Schedule I attached thereto (the "**Purchase Agreement**").

**1. Definitions.** As used herein, the following terms shall have the following respective meanings:

(a) "**Change of Control**" means the occurrence of (i) any transaction or series of related transactions that results in a "person" or "group" (within the meaning of Section 13(d) and 14(d) of the Securities Exchange Act of 1934, as amended), becoming the "beneficial owner" (as defined in Rule 13d-3 under the Securities Exchange Act of 1934, as amended), directly or indirectly, of more than fifty percent (50%) of the outstanding voting securities of the Company having the right to vote for the election of members of the Board of Directors of the Company, (ii) any reorganization, merger or consolidation of the Company, other than a transaction or series of related transactions in which the holders of the voting securities of the Company outstanding immediately prior to such transaction or series of related transactions retain, immediately after such transaction or series of related transactions, at least a majority of the total voting power represented by the outstanding voting securities of the Company or such other surviving or resulting entity or (iii) a sale, lease or other disposition of all or substantially all of the assets of the Company.

(b) "**Exercise Period**" means the time period commencing on the date hereof and ending on the earlier to occur of (i) immediately prior to a Change of Control or (ii) the tenth (10th) anniversary of the date hereof.



(c) “**Exercise Price**” means the price per share of Qualified Financing Securities paid by the cash investors in a Qualified Equity Financing, subject to adjustment as provided in Section 3.

(d) “**Exercise Shares**” means such number of Warrant Shares equal to the number of Qualified Financing Securities issued to the Holder upon conversion of such Holder’s Note(s) *multiplied* by five percent (5%).

(e) “**Holders**” means (as the context requires) more than one of the holders of the Warrants or all of the holders of the Warrants collectively.

(f) “**Notes**” means the Convertible Promissory Notes issued pursuant to the Purchase Agreement.

(g) “**Preferred Stock**” means preferred stock of the Company.

(h) “**Qualified Equity Financing**” has the meaning given such term Section 5 of the Notes.

(i) “**Qualified Financing Securities**” means shares of the same series of Preferred Stock issued in a Qualified Equity Financing.

(j) “**Requisite Holders**” has the meaning set forth in the Notes.

(k) “**Warrant Shares**” means shares of Qualified Financing Securities.

Any capitalized term used but not defined herein shall have the meaning assigned to such term in or by reference in the Purchase Agreement.

## **2. Exercise of Warrant.**

**2.1 Cash Exercise.** The rights represented by this Warrant may be exercised in whole or in part at any time during the Exercise Period, by delivery of the following to the Company at its address set forth in Section 8(g) of the Purchase Agreement (or at such other address as the Company may designate in writing to the Holder):

(a) an executed Notice of Exercise in the form attached hereto as Exhibit A;

(b) payment equal to the Exercise Price multiplied by the number of Exercise Shares for which the Warrant is being exercised; and

(c) this Warrant.

Upon the exercise of the rights represented by this Warrant, a certificate or certificates for the Exercise Shares so purchased, registered in the name of the Holder shall be issued and delivered to the Holder as soon as practicable after the rights represented by this Warrant shall have been so exercised. The person in whose name any certificate or certificates for Exercise Shares are to be issued upon exercise of this Warrant shall be deemed to have become

the holder of record of such shares on the date on which this Warrant was surrendered and payment of the Exercise Price was made, irrespective of the date of delivery of such certificate or certificates, except that, if the date of such surrender and payment is a date when the stock transfer books of the Company are closed, such person shall be deemed to have become the holder of such shares at the close of business on the next succeeding date on which the stock transfer books are open.

**2.2 Net Exercise.** Notwithstanding any provisions herein to the contrary, if the fair market value of one share of the class and series of the Company's capital stock to which the Exercise Shares belong (the "**Stock**") is greater than the Exercise Price (at the date of calculation as set forth below), in lieu of exercising this Warrant by payment of pursuant to Section 2.1(b) above, the Holder may elect to receive shares equal to the value (as determined below) of this Warrant (or the portion thereof being canceled) by surrender of this Warrant at the principal office of the Company together with the properly endorsed Notice of Exercise, in which event the Company shall issue to the Holder a number of shares of the applicable class and series of Stock computed using the following formula:

$$X = \frac{Y(A-B)}{A}$$

Where X = the number of shares of Stock to be issued to the Holder

Y = the number of shares of Stock then purchasable under the Warrant

A = the fair market value of one share of the Stock as determined in accordance with Section 2.3 below (at the date of such calculation)

B = Exercise Price (as adjusted to the date of such calculation)

**2.3 Determination of Fair Market Value.** For purposes of this Warrant, the fair market value of one share of the Stock shall be determined by the Company's Board of Directors in good faith as of the date of such calculation; *provided, however*, that:

(a) in the event that this Warrant is exercised pursuant to this Section 2.2 in connection with the Company's initial public offering (the "**IPO**") of the Company's Common Stock, the fair market value per share shall be the price per share of the Common Stock sold in such IPO multiplied by the number of shares of Common Stock into which a share of the Stock may be converted;

(b) in the event that this Warrant is exercised pursuant to this Section 2.2 following the IPO, the fair market value per share shall be the number of shares of Common Stock into which a share of Stock may be converted multiplied by the fair market value per share of the Common Stock, which shall be (i) if such Common Stock is traded on a securities exchange or through the Nasdaq National Market, the average of the closing prices of the Common Stock on such exchange or quotation system over the 10 day trading period ending three days prior to the exercise of the Warrant; (ii) if such Common Stock is actively traded over-the-counter, the value shall be deemed to be the average of the closing bid or sale prices (whichever is applicable) over the 10 day trading period ending three days prior to the exercise of the Warrant; and (iii) if there is no active public market, the value shall be the fair market value thereof, as determined by the Company's Board of Directors in good faith; and

(c) in the event that this Warrant is exercised pursuant to this Section 2.2 in connection with a Change of Control of the Company, the fair market value per share of Stock shall be the price paid for such share of Stock (in cash or in property, as determined by the Company's Board of Directors) in connection with the Change of Control.

### **3. Adjustment of Exercise Price and Exercise Shares.**

**3.1 Changes in Class and Series of Capital Stock.** In the event of changes in the applicable class and series of the outstanding Stock by reason of stock dividends, splits, recapitalizations, reclassifications, mergers, combinations or exchanges of shares, separations, reorganizations, liquidations, or the like, the number and class of shares available under the Warrant in the aggregate and the Exercise Price shall be correspondingly adjusted to give the Holder of the Warrant, on exercise for the same aggregate Exercise Price, the total number, class, and kind of shares as the Holder would have owned had the Warrant been exercised prior to the event and had the Holder continued to hold such shares until after the event requiring adjustment. This Warrant need not be amended because of any adjustment in the number of Exercise Shares subject to this Warrant.

**3.2 Certain Events.** If at any time after the date of issuance of this Warrant there is an adjustment to the conversion price of any of the Company's Preferred Stock pursuant to the Company's charter then in effect, or if no Preferred Stock is then outstanding, there would have been an adjustment if any such shares were outstanding, then the Warrant Shares issued upon exercise of this Warrant shall receive the benefit of any such adjustment to its conversion price (to the extent exercisable for any series of Preferred Stock for which any adjustment to the conversion price has or would have been effected prior to exercise) upon the execution of this Warrant as if the holder thereof held the Warrant Shares issued upon exercise of this Warrant at the time of such adjustment. In case the Company at any time or from time to time, after the issuance of this Warrant but prior to the exercise hereof, shall take any action affecting its Preferred Stock similar to or having an effect similar to any of the actions described in Section 3.1 (but not including any action described therein) and the Company's Board of Directors in good faith determines that it would be equitable in the circumstances to adjust the Exercise Price and the aggregate number of Warrant Shares for which this Warrant is exercisable as a result of such action, then, and in each such case, the Exercise Price and the aggregate number of Warrant Shares for which this Warrant is exercisable shall be adjusted in such manner and at such time as the Company's Board of Directors in good faith determines would be equitable in the circumstances.

**4. Fractional Shares; Effect of Exercise.** No fractional shares shall be issued upon the exercise of this Warrant. In lieu of issuance of any fractional share to the Holder upon exercise of this Warrant, the Company shall pay to the Holder otherwise entitled to such fraction a sum in cash equal to the product obtained by multiplying the applicable Exercise Price by such fraction. Upon exercise of this Warrant, the Company shall be forever released from all its obligations and liabilities under this Warrant and this Warrant shall be deemed of no further force or effect, whether or not the original of this Warrant has been surrendered to the Company pursuant to Section 2 hereof.

**5. No Stockholder Rights.** This Warrant shall not entitle the Holder to any right to receive dividends, voting rights or other rights as a stockholder of the Company.

**6. Lost, Stolen, Mutilated or Destroyed Warrant.** The Company covenants to the Holder hereof that, upon receipt of evidence reasonably satisfactory to the Company of the loss, theft, destruction or mutilation of this Warrant or any stock certificate and, in the case of any such loss, theft or destruction, upon receipt of an indemnity reasonably satisfactory to the Company, or in the case of any such mutilation, upon surrender and cancellation of such Warrant or stock certificate, the Company shall make and deliver a new Warrant or stock certificate, of like tenor, in lieu of the lost, stolen, destroyed or mutilated Warrant or stock certificate.

**7. Notices.** Any notice required or permitted under this Warrant shall be given in accordance with Section 8(g) of the Purchase Agreement.

**8. Acceptance.** Receipt of this Warrant by the Holder shall constitute acceptance of and agreement to all of the terms and conditions contained herein.

**9. Amendment and Waiver.** Any provision of this Warrant may be amended or waived in a writing signed by both the Company and the Requisite Holders and such amendment or waiver shall be binding on all Holders.

**10. Governing Law.** This Warrant shall be governed by, and construed and enforced in accordance with, the laws of the State of Delaware, excluding its internal rules governing the conflict of laws.

**[Signature Page Follows]**

IN WITNESS WHEREOF, the Company has caused this Warrant to be executed by its duly authorized officer as of the date first above written.

**COMPANY:**

**ASET THERAPEUTICS, INC.**

By: /s/ David Epstein  
David Epstein  
Chief Executive Officer

Accepted:

**HOLDER**

**Roche Finance Ltd**

By: /s/ Beat Kraehenmann  
Name: Beat Kraehenmann  
Title: Authorized Signatory

Date:

By: /s/ Andreas Knierzinger  
Name: Andreas Knierzinger  
Title: Authorized Signatory

Date:

**Signature Page – ASET Therapeutics, Inc. Warrant**

## NOTICE OF EXERCISE

TO: ASET Therapeutics, Inc.

(1)  The undersigned hereby elects to purchase \_\_\_\_\_ shares of \_\_\_\_\_ of ASET Therapeutics, Inc. (the "*Company*") pursuant to the terms of the attached Warrant, and tenders herewith payment of the Exercise Price in full, together with all applicable transfer taxes, if any by; Check all that apply:

(a)  payment of US\$ \_\_\_\_\_ by wire transfer, federal reference number \_\_\_\_\_,

(b)  The undersigned hereby elects to purchase \_\_\_\_\_ shares of \_\_\_\_\_ of the Company pursuant to the terms of the net exercise provisions set forth in Section 2.2 of the attached Warrant, and shall tender payment of all applicable transfer taxes, if any.

(2) Please issue a certificate or certificates representing said shares of Stock in the name of the undersigned or in such other name as is specified below:

\_\_\_\_\_

Holder

\_\_\_\_\_

Address

(3) The undersigned represents that (i) the aforesaid shares of Stock are being acquired for the account of the undersigned for investment and not with a view to, or for resale in connection with, the distribution thereof and that the undersigned has no present intention of distributing or reselling such shares; (ii) the undersigned is aware of the Company's business affairs and financial condition and has acquired sufficient information about the Company to reach an informed and knowledgeable decision regarding the undersigned's investment in the Company; (iii) the undersigned is experienced in making investments of this type and has such knowledge and background in financial and business matters that the undersigned is capable of evaluating the merits and risks of this investment and protecting the undersigned's own interests; (iv) the undersigned understands that the shares of Stock issuable upon exercise of this Warrant have not been registered under the Securities Act, by reason of a specific exemption from the registration provisions of the Securities Act, which exemption depends upon, among other things, the bona fide nature of the investment intent as expressed herein, and, because such securities have not been registered under the Securities Act, they must be held indefinitely unless subsequently registered under the Securities Act or an exemption from such registration is available; (v) the undersigned is aware that the aforesaid shares of Stock may not be sold pursuant to Rule 144 adopted under the Securities Act unless certain conditions are met and until the undersigned has held the shares for the number of years prescribed by Rule 144, that among the conditions for use of the Rule is the availability of current information to the public about the Company and the Company has not made such information available and has no present plans to do so; (vi) the undersigned is an "accredited

Exhibit A-1

investor” (as defined in Rule 501 promulgated pursuant to the Securities Act); and (vii) the undersigned agrees not to make any disposition of all or any part of the aforesaid shares of Stock unless and until there is then in effect a registration statement under the Securities Act covering such proposed disposition and such disposition is made in accordance with said registration statement, or the undersigned has provided the Company with an opinion of counsel satisfactory to the Company, stating that such registration is not required.

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

Exhibit A-2

## BLACK DIAMOND THERAPEUTICS, INC.

## 2017 EMPLOYEE, DIRECTOR AND CONSULTANT EQUITY INCENTIVE PLAN

(Originally adopted March 14, 2017, as amended and restated December 21, 2018)

1. DEFINITIONS.

Unless otherwise specified or unless the context otherwise requires, the following terms, as used in this Black Diamond Therapeutics, Inc. 2017 Employee, Director and Consultant Equity Incentive Plan, have the following meanings:

Administrator means the Board of Directors, unless it has delegated power to act on its behalf to the Committee, in which case the Administrator means the Committee.

Affiliate means a corporation which, for purposes of Section 424 of the Code, is a parent or subsidiary of the Company, direct or indirect.

Agreement means an agreement between the Company and a Participant delivered pursuant to the Plan and pertaining to a Stock Right, in such form as the Administrator shall approve.

Board of Directors means the Board of Directors of the Company.

Cause means, with respect to a Participant (a) dishonesty with respect to the Company or any Affiliate, (b) insubordination, substantial malfeasance or non-feasance of duty, (c) unauthorized disclosure of confidential information, (d) breach by a Participant of any provision of any employment, consulting, advisory, nondisclosure, non-competition or similar agreement between the Participant and the Company or any Affiliate, and (e) conduct substantially prejudicial to the business of the Company or any Affiliate; *provided, however*, that any provision in an agreement between a Participant and the Company or an Affiliate, which contains a conflicting definition of Cause for termination and which is in effect at the time of such termination, shall supersede this definition with respect to that Participant. The determination of the Administrator as to the existence of Cause will be conclusive on the Participant and the Company.

Code means the United States Internal Revenue Code of 1986, as amended including any successor statute, regulation and guidance thereto.

Committee means the committee of the Board of Directors to which the Board of Directors has delegated power to act under or pursuant to the provisions of the Plan.

Common Stock means shares of the Company's common stock, \$0.0001 par value per share.



Company means Black Diamond Therapeutics, Inc., a Delaware corporation.

Consultant means any natural person who is an advisor or consultant that provides bona fide services to the Company or its Affiliates, provided that such services are not in connection with the offer or sale of securities in a capital raising transaction, and do not directly or indirectly promote or maintain a market for the Company's or its Affiliates' securities.

Disability or Disabled means permanent and total disability as defined in Section 22(e)(3) of the Code.

Employee means any employee of the Company or of an Affiliate (including, without limitation, an employee who is also serving as an officer or director of the Company or of an Affiliate), designated by the Administrator to be eligible to be granted one or more Stock Rights under the Plan.

Exchange Act means the Securities Exchange Act of 1934, as amended.

Fair Market Value of a Share of Common Stock means:

(1) If the Common Stock is listed on a national securities exchange or traded in the over-the-counter market and sales prices are regularly reported for the Common Stock, the closing or, if not applicable, the last price of the Common Stock on the composite tape or other comparable reporting system for the trading day on the applicable date and if such applicable date is not a trading day, the last market trading day prior to such date;

(2) If the Common Stock is not traded on a national securities exchange but is traded on the over-the-counter market, if sales prices are not regularly reported for the Common Stock for the trading day referred to in clause (1), and if bid and asked prices for the Common Stock are regularly reported, the mean between the bid and the asked price for the Common Stock at the close of trading in the over-the-counter market for the trading day on which Common Stock was traded on the applicable date and if such applicable date is not a trading day, the last market trading day prior to such date; and

(3) If the Common Stock is neither listed on a national securities exchange nor traded in the over-the-counter market, such value as the Administrator, in good faith, shall determine.

ISO means an option intended to qualify as an incentive stock option under Section 422 of the Code.

Non-Qualified Option means an option which is not intended to qualify as an ISO.

Option means an ISO or Non-Qualified Option granted under the Plan.

Participant means an Employee, director or Consultant of the Company or an Affiliate to whom one or more Stock Rights are granted under the Plan. As used herein, "Participant" shall include "Participant's Survivors" where the context requires.

Plan means this Black Diamond Therapeutics, Inc. 2017 Employee, Director and Consultant Equity Incentive Plan.

Securities Act means the Securities Act of 1933, as amended.

Shares means shares of the Common Stock as to which Stock Rights have been or may be granted under the Plan or any shares of capital stock into which the Shares are changed or for which they are exchanged within the provisions of Paragraph 3 of the Plan. The Shares issued under the Plan may be authorized and unissued shares or shares held by the Company in its treasury, or both.

Stock-Based Award means a grant by the Company under the Plan of an equity award or an equity based award which is not an Option or a Stock Grant.

Stock Grant means a grant by the Company of Shares under the Plan.

Stock Right means a right to Shares or the value of Shares of the Company granted pursuant to the Plan – an ISO, a Non-Qualified Option, a Stock Grant or a Stock-Based Award.

Survivor means a deceased Participant's legal representatives and/or any person or persons who acquired the Participant's rights to a Stock Right by will or by the laws of descent and distribution.

## 2. PURPOSES OF THE PLAN.

The Plan is intended to encourage ownership of Shares by Employees and directors of and certain Consultants to the Company and its Affiliates in order to attract and retain such people, to induce them to work for the benefit of the Company or of an Affiliate and to provide additional incentive for them to promote the success of the Company or of an Affiliate. The Plan provides for the granting of ISOs, Non-Qualified Options, Stock Grants and Stock-Based Awards.

## 3. SHARES SUBJECT TO THE PLAN.

(a) The number of Shares which may be issued from time to time pursuant to this Plan shall be (i) 5,413,708 and (ii) upon the consummation of the Milestone Closing (as defined in that certain Series B Preferred Stock Purchase Agreement, dated December 21, 2018), shall be increased by 1,522,715 to **6,936,423**, or the equivalent of such number of Shares after the Administrator, in its sole discretion, has interpreted the effect of any stock split, stock dividend, combination, recapitalization or similar transaction in accordance with Paragraph 24 of the Plan.

(b) If an Option ceases to be “outstanding”, in whole or in part (other than by exercise), or if the Company shall reacquire (at not more than its original issuance price) any Shares issued pursuant to a Stock Grant or Stock-Based Award, or if any Stock Right expires or is forfeited, cancelled, or otherwise terminated or results in any Shares not being issued, the unissued or reacquired Shares which were subject to such Stock Right shall again be available for issuance from time to time pursuant to this Plan. Notwithstanding the foregoing, if a Stock Right is exercised, in whole or in part, by tender of Shares or if the Company or an Affiliate’s tax withholding obligation is satisfied by withholding Shares, the number of Shares deemed to have been issued under the Plan for purposes of the limitation set forth in Paragraph 3(a) above shall be the number of Shares that were subject to the Stock Right or portion thereof, and not the net number of Shares actually issued. However, in the case of ISOs, the foregoing provisions shall be subject to any limitations under the Code.

4. ADMINISTRATION OF THE PLAN.

The Administrator of the Plan will be the Board of Directors, except to the extent the Board of Directors delegates its authority to the Committee, in which case the Committee shall be the Administrator. Subject to the provisions of the Plan, the Administrator is authorized to:

- (a) Interpret the provisions of the Plan and all Stock Rights and to make all rules and determinations which it deems necessary or advisable for the administration of the Plan;
- (b) Determine which Employees, directors and Consultants shall be granted Stock Rights;
- (c) Determine the number of Shares for which a Stock Right or Stock Rights shall be granted;
- (d) Specify the terms and conditions upon which a Stock Right or Stock Rights may be granted;
- (e) Amend any term or condition of any outstanding Stock Right, including, without limitation, to reduce or increase the exercise price or purchase price, accelerate the vesting schedule or extend the expiration date, provided that (i) such term or condition as amended is permitted by the Plan; (ii) any such amendment shall not impair the rights of a Participant under any Stock Right previously granted without such Participant’s consent or in the event of death of the Participant the Participant’s Survivors; and (iii) any such amendment shall be made only after the Administrator determines whether such amendment would cause any adverse tax consequences to the Participant, including, but not limited to, the annual vesting limitation contained in Section 422(d) of the Code and described in Paragraph 6(b)(iv) below with respect to ISOs and pursuant to Section 409A of the Code;
- (f) Buy out for a payment in cash or Shares, a Stock Right previously granted and/or cancel any such Stock Right and grant in substitution therefor other Stock Rights, covering the same or a different number of Shares and having an exercise price or purchase price per share which may be lower or higher than the exercise price or purchase price of the cancelled Stock Right, based on such terms and conditions as the Administrator shall establish and the Participant shall accept; and

(g) Adopt any sub-plans applicable to residents of any specified jurisdiction as it deems necessary or appropriate in order to comply with or take advantage of any tax or other laws applicable to the Company, any Affiliate or to Participants or to otherwise facilitate the administration of the Plan, which sub-plans may include additional restrictions or conditions applicable to Stock Rights or Shares issuable pursuant to a Stock Right;

*provided, however,* that all such interpretations, rules, determinations, terms and conditions shall be made and prescribed in the context of not causing any adverse tax consequences under Section 409A of the Code and preserving the tax status under Section 422 of the Code of those Options which are designated as ISOs. Subject to the foregoing, the interpretation and construction by the Administrator of any provisions of the Plan or of any Stock Right granted under it shall be final, unless otherwise determined by the Board of Directors, if the Administrator is the Committee. In addition, if the Administrator is the Committee, the Board of Directors may take any action under the Plan that would otherwise be the responsibility of the Committee.

To the extent permitted under applicable law, the Board of Directors or the Committee may allocate all or any portion of its responsibilities and powers to any one or more of its members and may delegate all or any portion of its responsibilities and powers to any other person selected by it. The Board of Directors or the Committee may revoke any such allocation or delegation at any time.

#### 5. ELIGIBILITY FOR PARTICIPATION.

The Administrator will, in its sole discretion, name the Participants in the Plan; *provided, however,* that each Participant must be an Employee, director or Consultant of the Company or of an Affiliate at the time a Stock Right is granted. Notwithstanding the foregoing, the Administrator may authorize the grant of a Stock Right to a person not then an Employee, director or Consultant of the Company or of an Affiliate; *provided, however,* that the actual grant of such Stock Right shall be conditioned upon such person becoming eligible to become a Participant at or prior to the time of the execution of the Agreement evidencing such Stock Right. ISOs may be granted only to Employees who are deemed to be residents of the United States for tax purposes. Non-Qualified Options, Stock Grants and Stock-Based Awards may be granted to any Employee, director or Consultant of the Company or an Affiliate. The granting of any Stock Right to any individual shall neither entitle that individual to, nor disqualify him or her from, participation in any other grant of Stock Rights or any grant under any other benefit plan established by the Company or any Affiliate for Employees, directors or Consultants.

#### 6. TERMS AND CONDITIONS OF OPTIONS.

Each Option shall be set forth in writing in an Option Agreement, duly executed by the Company and, to the extent required by law or requested by the Company, by the Participant. The Administrator may provide that Options be granted subject to such terms and conditions, consistent with the terms and conditions specifically required under this Plan, as the

Administrator may deem appropriate including, without limitation, subsequent approval by the shareholders of the Company of this Plan or any amendments thereto. The Option Agreements shall be subject to at least the following terms and conditions:

(a) Non-Qualified Options: Each Option intended to be a Non-Qualified Option shall be subject to the terms and conditions which the Administrator determines to be appropriate and in the best interest of the Company, subject to the following minimum standards for any such Non-Qualified Option:

- (i) Exercise Price: Each Option Agreement shall state the exercise price (per share) of the Shares covered by each Option, which exercise price shall be determined by the Administrator and shall be at least equal to the Fair Market Value per share of Common Stock on the date of grant of the Option.
- (ii) Number of Shares: Each Option Agreement shall state the number of Shares to which it pertains.
- (iii) Option Periods: Each Option Agreement shall state the date or dates on which it first is exercisable and the date after which it may no longer be exercised, and may provide that the Option rights accrue or become exercisable in installments over a period of months or years, or upon the occurrence of certain conditions or the attainment of stated goals or events.
- (iv) Option Conditions: Exercise of any Option may be conditioned upon the Participant's execution of a Share purchase agreement in form satisfactory to the Administrator providing for certain protections for the Company and its other shareholders, including requirements that:
  - A. The Participant's or the Participant's Survivors' right to sell or transfer the Shares may be restricted; and
  - B. The Participant or the Participant's Survivors may be required to execute letters of investment intent and must also acknowledge that the Shares will bear legends noting any applicable restrictions.
- (v) Term of Option: Each Option shall terminate not more than ten (10) years from the date of the grant or at such earlier time as the Option Agreement may provide.

(b) ISOs: Each Option intended to be an ISO shall be issued only to an Employee who is deemed to be a resident of the United States for tax purposes, and shall be subject to the following terms and conditions, with such additional restrictions or changes as the Administrator determines are appropriate but not in conflict with Section 422 of the Code and relevant regulations and rulings of the Internal Revenue Service:

- (i) Minimum standards: The ISO shall meet the minimum standards required of Non-Qualified Options, as described in Paragraph 6(a) above, except clause (i) and (v) thereunder.

- (ii) Exercise Price: Immediately before the ISO is granted, if the Participant owns, directly or by reason of the applicable attribution rules in Section 424(d) of the Code:
  - A. 10% or less of the total combined voting power of all classes of stock of the Company or an Affiliate, the exercise price per share of the Shares covered by each ISO shall not be less than 100% of the Fair Market Value per share of the Common Stock on the date of grant of the Option; or
  - B. More than 10% of the total combined voting power of all classes of stock of the Company or an Affiliate, the exercise price per share of the Shares covered by each ISO shall not be less than 110% of the Fair Market Value per share of the Common Stock on the date of grant of the Option.
- (iii) Term of Option: For Participants who own:
  - A. 10% or less of the total combined voting power of all classes of stock of the Company or an Affiliate, each ISO shall terminate not more than ten (10) years from the date of the grant or at such earlier time as the Option Agreement may provide; or
  - B. More than 10% of the total combined voting power of all classes of stock of the Company or an Affiliate, each ISO shall terminate not more than five years from the date of the grant or at such earlier time as the Option Agreement may provide.
- (iv) Limitation on Yearly Exercise: The Option Agreements shall restrict the amount of ISOs which may become exercisable in any calendar year (under this or any other ISO plan of the Company or an Affiliate) so that the aggregate Fair Market Value (determined on the date each ISO is granted) of the stock with respect to which ISOs are exercisable for the first time by the Participant in any calendar year does not exceed \$100,000.

7. TERMS AND CONDITIONS OF STOCK GRANTS.

Each Stock Grant to a Participant shall state the principal terms in an Agreement duly executed by the Company and, to the extent required by law or requested by the Company, by the Participant. The Agreement shall be in a form approved by the Administrator and shall

contain terms and conditions which the Administrator determines to be appropriate and in the best interest of the Company, subject to the following minimum standards:

- (a) Each Agreement shall state the purchase price per share, if any, of the Shares covered by each Stock Grant, which purchase price shall be determined by the Administrator but shall not be less than the minimum consideration required by the Delaware General Corporation Law, if any, on the date of the grant of the Stock Grant;
- (b) Each Agreement shall state the number of Shares to which the Stock Grant pertains; and
- (c) Each Agreement shall include the terms of any right of the Company to restrict or reacquire the Shares subject to the Stock Grant, including the time and events upon which such rights shall accrue and the purchase price therefor, if any.

8. TERMS AND CONDITIONS OF OTHER STOCK-BASED AWARDS.

The Administrator shall have the right to grant other Stock-Based Awards based upon the Common Stock having such terms and conditions as the Administrator may determine, including, without limitation, the grant of Shares based upon certain conditions, the grant of securities convertible into Shares and the grant of stock appreciation rights, phantom stock awards or stock units. The principal terms of each Stock-Based Award shall be set forth in an Agreement, duly executed by the Company and, to the extent required by law or requested by the Company, by the Participant. The Agreement shall be in a form approved by the Administrator and shall contain terms and conditions which the Administrator determines to be appropriate and in the best interest of the Company.

The Company intends that the Plan and any Stock-Based Awards granted hereunder be exempt from the application of Section 409A of the Code or meet the requirements of paragraphs (2), (3) and (4) of subsection (a) of Section 409A of the Code, to the extent applicable, and be operated in accordance with Section 409A so that any compensation deferred under any Stock- Based Award (and applicable investment earnings) shall not be included in income under Section 409A of the Code. Any ambiguities in the Plan shall be construed to effect the intent as described in this Paragraph 8.

9. EXERCISE OF OPTIONS AND ISSUE OF SHARES.

An Option (or any part or installment thereof) shall be exercised by giving written notice to the Company or its designee (in a form acceptable to the Administrator, which may include electronic notice), together with provision for payment of the aggregate exercise price in accordance with this Paragraph for the Shares as to which the Option is being exercised, and upon compliance with any other condition(s) set forth in the Option Agreement. Such notice shall be signed by the person exercising the Option (which signature may be provided electronically in a form acceptable to the Administrator), shall state the number of Shares with respect to which the Option is being exercised and shall contain any representation required by the Plan or the Option Agreement. Payment of the exercise price for the Shares as to which such Option is being exercised shall be made (a) in United States dollars in cash or by check, or (b) at the discretion of the Administrator, through delivery of shares of Common Stock held for at least six months (if required to avoid negative accounting treatment) having a Fair Market Value equal

as of the date of the exercise to the aggregate cash exercise price for the number of Shares as to which the Option is being exercised, or (c) at the discretion of the Administrator, by having the Company retain from the Shares otherwise issuable upon exercise of the Option, a number of Shares having a Fair Market Value equal as of the date of exercise to the aggregate exercise price for the number of Shares as to which the Option is being exercised, or (d) at the discretion of the Administrator (after consideration of applicable securities, tax and accounting implications), by delivery of the grantee's personal recourse note bearing interest payable not less than annually at no less than 100% of the applicable federal rate, as defined in Section 1274(d) of the Code, or (e) at the discretion of the Administrator, in accordance with a cashless exercise program established with a securities brokerage firm, and approved by the Administrator, or (f) at the discretion of the Administrator, by any combination of (a), (b), (c), (d) and (e) above or (g) at the discretion of the Administrator, by payment of such other lawful consideration as the Administrator may determine. Notwithstanding the foregoing, the Administrator shall accept only such payment on exercise of an ISO as is permitted by Section 422 of the Code.

The Company shall then reasonably promptly deliver the Shares as to which such Option was exercised to the Participant (or to the Participant's Survivors, as the case may be). In determining what constitutes "reasonably promptly," it is expressly understood that the issuance and delivery of the Shares may be delayed by the Company in order to comply with any law or regulation (including, without limitation, state securities or "blue sky" laws) which requires the Company to take any action with respect to the Shares prior to their issuance. The Shares shall, upon delivery, be fully paid, non-assessable Shares.

10. PAYMENT IN CONNECTION WITH THE ISSUANCE OF STOCK GRANTS AND STOCK-BASED AWARDS AND ISSUE OF SHARES.

Any Stock Grant or Stock-Based Award requiring payment of a purchase price for the Shares as to which such Stock Grant or Stock-Based Award is being granted shall be made (a) in United States dollars in cash or by check, or (b) at the discretion of the Administrator, through delivery of shares of Common Stock held for at least six months (if required to avoid negative accounting treatment) and having a Fair Market Value equal as of the date of payment to the purchase price of the Stock Grant or Stock-Based Award, or (c) at the discretion of the Administrator (after consideration of applicable securities, tax and accounting implications), by delivery of the grantee's personal recourse note bearing interest payable not less than annually at no less than 100% of the applicable federal rate, as defined in Section 1274(d) of the Code, or (d) at the discretion of the Administrator, by any combination of (a), (b) and (c) above; or (e) at the discretion of the Administrator, by payment of such other lawful consideration as the Administrator may determine.

The Company shall when required by the applicable Agreement, reasonably promptly deliver the Shares as to which such Stock Grant or Stock-Based Award was made to the Participant (or to the Participant's Survivors, as the case may be), subject to any escrow provision set forth in the applicable Agreement. In determining what constitutes "reasonably promptly," it is expressly understood that the issuance and delivery of the Shares may be delayed by the Company in order to comply with any law or regulation (including, without limitation, state securities or "blue sky" laws) which requires the Company to take any action with respect to the Shares prior to their issuance.



11. RIGHTS AS A SHAREHOLDER.

No Participant to whom a Stock Right has been granted shall have rights as a shareholder with respect to any Shares covered by such Stock Right except after due exercise of an Option or issuance of Shares as set forth in any Agreement, tender of the aggregate exercise or purchase price, if any, for the Shares being purchased and registration of the Shares in the Company's share register in the name of the Participant.

12. ASSIGNABILITY AND TRANSFERABILITY OF STOCK RIGHTS.

By its terms, a Stock Right granted to a Participant shall not be transferable by the Participant other than (i) by will or by the laws of descent and distribution, or (ii) as approved by the Administrator in its discretion and set forth in the applicable Agreement provided that no Stock Right may be transferred by a Participant for value. Notwithstanding the foregoing, an ISO transferred except in compliance with clause (i) above shall no longer qualify as an ISO. The designation of a beneficiary of a Stock Right by a Participant, with the prior approval of the Administrator and in such form as the Administrator shall prescribe, shall not be deemed a transfer prohibited by this Paragraph. Except as provided above during the Participant's lifetime a Stock Right shall only be exercisable by or issued to such Participant (or his or her legal representative) and shall not be assigned, pledged or hypothecated in any way (whether by operation of law or otherwise) and shall not be subject to execution, attachment or similar process. Any attempted transfer, assignment, pledge, hypothecation or other disposition of any Stock Right or of any rights granted thereunder contrary to the provisions of this Plan, or the levy of any attachment or similar process upon a Stock Right, shall be null and void.

13. EFFECT ON OPTIONS OF TERMINATION OF SERVICE OTHER THAN FOR CAUSE OR DEATH OR DISABILITY.

Except as otherwise provided in a Participant's Option Agreement, in the event of a termination of service (whether as an Employee, director or Consultant) with the Company or an Affiliate before the Participant has exercised an Option, the following rules apply:

(a) A Participant who ceases to be an Employee, director or Consultant of the Company or of an Affiliate (for any reason other than termination for Cause, Disability, or death for which events there are special rules in Paragraphs 14, 15, and 16, respectively), may exercise any Option granted to him or her to the extent that the Option is exercisable on the date of such termination of service, but only within such term as the Administrator has designated in a Participant's Option Agreement.

(b) Except as provided in Subparagraph (c) below, or Paragraph 15 or 16, in no event may an Option intended to be an ISO, be exercised later than three months after the Participant's termination of employment.

(c) The provisions of this Paragraph, and not the provisions of Paragraph 15 or 16, shall apply to a Participant who subsequently becomes Disabled or dies after the termination of employment, director status or consultancy; provided, however, in the case of a Participant's Disability or death within three months after the termination of employment, director status or consultancy, the Participant or the Participant's Survivors may exercise the Option within one year after the date of the Participant's termination of service, but in no event after the date of expiration of the term of the Option.

(d) Notwithstanding anything herein to the contrary, if subsequent to a Participant's termination of employment, termination of director status or termination of consultancy, but prior to the exercise of an Option, the Administrator determines that, either prior or subsequent to the Participant's termination, the Participant engaged in conduct which would constitute Cause, then such Participant shall forthwith cease to have any right to exercise any Option.

(e) A Participant to whom an Option has been granted under the Plan who is absent from the Company or an Affiliate because of temporary disability (any disability other than a Disability as defined in Paragraph 1 hereof), or who is on leave of absence for any purpose, shall not, during the period of any such absence, be deemed, by virtue of such absence alone, to have terminated such Participant's employment, director status or consultancy with the Company or with an Affiliate, except as the Administrator may otherwise expressly provide; provided, however, that, for ISOs, any leave of absence granted by the Administrator of greater than ninety (90) days, unless pursuant to a contract or statute that guarantees the right to reemployment, shall cause such ISO to become a Non-Qualified Option on the 181<sup>st</sup> day following such leave of absence.

(f) Except as required by law or as set forth in a Participant's Option Agreement, Options granted under the Plan shall not be affected by any change of a Participant's status within or among the Company and any Affiliates, so long as the Participant continues to be an Employee, director or Consultant of the Company or any Affiliate.

#### 14. EFFECT ON OPTIONS ON TERMINATION OF SERVICE FOR CAUSE.

Except as otherwise provided in a Participant's Option Agreement, the following rules apply if the Participant's service (whether as an Employee, director or Consultant) with the Company or an Affiliate is terminated for Cause prior to the time that all his or her outstanding Options have been exercised:

(a) All outstanding and unexercised Options as of the time the Participant is notified his or her service is terminated for Cause will immediately be forfeited.

(b) Cause is not limited to events which have occurred prior to a Participant's termination of service, nor is it necessary that the Administrator's finding of Cause occur prior to termination. If the Administrator determines, subsequent to a Participant's termination of service but prior to the exercise of an Option, that either prior or subsequent to the Participant's termination the Participant engaged in conduct which would constitute Cause, then the right to exercise any Option is forfeited.

15. EFFECT ON OPTIONS OF TERMINATION OF SERVICE FOR DISABILITY.

Except as otherwise provided in a Participant's Option Agreement:

(a) A Participant who ceases to be an Employee, director or Consultant of the Company or of an Affiliate by reason of Disability may exercise any Option granted to such Participant:

- (i) To the extent that the Option has become exercisable but has not been exercised on the date of the Participant's termination of service due to Disability; and
- (ii) In the event rights to exercise the Option accrue periodically, to the extent of a pro rata portion through the date of the Participant's termination of service due to Disability of any additional vesting rights that would have accrued on the next vesting date had the Participant not become Disabled. The proration shall be based upon the number of days accrued in the current vesting period prior to the date of the Participant's termination of service due to Disability.

(b) A Disabled Participant may exercise the Option only within the period ending one year after the date of the Participant's termination of service due to Disability, notwithstanding that the Participant might have been able to exercise the Option as to some or all of the Shares on a later date if the Participant had not been terminated due to Disability and had continued to be an Employee, director or Consultant or, if earlier, within the originally prescribed term of the Option.

(c) The Administrator shall make the determination both of whether Disability has occurred and the date of its occurrence (unless a procedure for such determination is set forth in another agreement between the Company and such Participant, in which case such procedure shall be used for such determination). If requested, the Participant shall be examined by a physician selected or approved by the Administrator, the cost of which examination shall be paid for by the Company.

16. EFFECT ON OPTIONS OF DEATH WHILE AN EMPLOYEE, DIRECTOR OR CONSULTANT.

Except as otherwise provided in a Participant's Option Agreement:

(a) In the event of the death of a Participant while the Participant is an Employee, director or Consultant of the Company or of an Affiliate, such Option may be exercised by the Participant's Survivors:

- (i) To the extent that the Option has become exercisable but has not been exercised on the date of death; and

- (ii) In the event rights to exercise the Option accrue periodically, to the extent of a pro rata portion through the date of death of any additional vesting rights that would have accrued on the next vesting date had the Participant not died. The proration shall be based upon the number of days accrued in the current vesting period prior to the Participant's date of death.

(b) If the Participant's Survivors wish to exercise the Option, they must take all necessary steps to exercise the Option within one year after the date of death of such Participant, notwithstanding that the decedent might have been able to exercise the Option as to some or all of the Shares on a later date if he or she had not died and had continued to be an Employee, director or Consultant or, if earlier, within the originally prescribed term of the Option.

17. EFFECT OF TERMINATION OF SERVICE ON STOCK GRANTS AND STOCK-BASED AWARDS.

In the event of a termination of service (whether as an Employee, director or Consultant) with the Company or an Affiliate for any reason before the Participant has accepted a Stock Grant or a Stock-Based Award and paid the purchase price, if required, such grant shall terminate.

For purposes of this Paragraph 17 and Paragraph 18 below, a Participant to whom a Stock Grant has been issued under the Plan who is absent from work with the Company or with an Affiliate because of temporary disability (any disability other than a Disability as defined in Paragraph 1 hereof), or who is on leave of absence for any purpose, shall not, during the period of any such absence, be deemed, by virtue of such absence alone, to have terminated such Participant's employment, director status or consultancy with the Company or with an Affiliate, except as the Administrator may otherwise expressly provide.

In addition, for purposes of this Paragraph 17 and Paragraph 18 below, any change of employment or other service within or among the Company and any Affiliates shall not be treated as a termination of employment, director status or consultancy so long as the Participant continues to be an Employee, director or Consultant of the Company or any Affiliate.

18. EFFECT ON STOCK GRANTS OF TERMINATION OF SERVICE OTHER THAN FOR CAUSE OR DEATH OR DISABILITY.

Except as otherwise provided in a Participant's Stock Grant Agreement, in the event of a termination of service (whether as an Employee, director or Consultant), other than termination for Cause, Disability, or death for which events there are special rules in Paragraphs 19, 20, and 21, respectively, before all forfeiture provisions or Company rights of repurchase shall have lapsed, then the Company shall have the right to cancel or repurchase that number of Shares subject to a Stock Grant as to which the Company's forfeiture or repurchase rights have not lapsed.

19. EFFECT ON STOCK GRANTS OF TERMINATION OF SERVICE FOR CAUSE.

Except as otherwise provided in a Participant's Stock Grant Agreement, the following rules apply if the Participant's service (whether as an Employee, director or Consultant) with the Company or an Affiliate is terminated for Cause:

(a) All Shares subject to any Stock Grant whether or not then subject to forfeiture or repurchase shall be immediately subject to repurchase by the Company at the lesser of Fair Market Value or the purchase price, thereof.

(b) Cause is not limited to events which have occurred prior to a Participant's termination of service, nor is it necessary that the Administrator's finding of Cause occur prior to termination. If the Administrator determines, subsequent to a Participant's termination of service, that either prior or subsequent to the Participant's termination the Participant engaged in conduct which would constitute Cause, then all Shares subject to any Stock Grant that remained subject to forfeiture provisions or as to which the Company had a repurchase right on the date of termination shall be immediately forfeited to the Company.

20. EFFECT ON STOCK GRANTS OF TERMINATION OF SERVICE FOR DISABILITY.

Except as otherwise provided in a Participant's Stock Grant Agreement, the following rules apply if a Participant ceases to be an Employee, director or Consultant of the Company or of an Affiliate by reason of Disability: to the extent the forfeiture provisions or the Company's rights of repurchase have not lapsed on the date of Disability, they shall be exercisable; provided, however, that in the event such forfeiture provisions or rights of repurchase lapse periodically, such provisions or rights shall lapse to the extent of a pro rata portion of the Shares subject to such Stock Grant through the date of Disability as would have lapsed had the Participant not become Disabled. The proration shall be based upon the number of days accrued prior to the date of Disability.

The Administrator shall make the determination both as to whether Disability has occurred and the date of its occurrence (unless a procedure for such determination is set forth in another agreement between the Company and such Participant, in which case such procedure shall be used for such determination). If requested, the Participant shall be examined by a physician selected or approved by the Administrator, the cost of which examination shall be paid for by the Company.

21. EFFECT ON STOCK GRANTS OF DEATH WHILE AN EMPLOYEE, DIRECTOR OR CONSULTANT.

Except as otherwise provided in a Participant's Stock Grant Agreement, the following rules apply in the event of the death of a Participant while the Participant is an Employee, director or Consultant of the Company or of an Affiliate: to the extent the forfeiture provisions or the Company's rights of repurchase have not lapsed on the date of death, they shall be

exercisable; provided, however, that in the event such forfeiture provisions or rights of repurchase lapse periodically, such provisions or rights shall lapse to the extent of a pro rata portion of the Shares subject to such Stock Grant through the date of death as would have lapsed had the Participant not died. The proration shall be based upon the number of days accrued prior to the Participant's date of death.

## 22. PURCHASE FOR INVESTMENT

Unless the offering and sale of the Shares shall have been effectively registered under the Securities Act, the Company shall be under no obligation to issue Shares under the Plan unless and until the following conditions have been fulfilled:

(a) The person who receives a Stock Right shall warrant to the Company, prior to the receipt of Shares, that such person is acquiring such Shares for his or her own account, for investment, and not with a view to, or for sale in connection with, the distribution of any such Shares, in which event the person acquiring such Shares shall be bound by the provisions of the following legend (or a legend in substantially similar form) which shall be endorsed upon the certificate evidencing the Shares issued pursuant to such exercise or such grant:

“The shares represented by this certificate have been taken for investment and they may not be sold or otherwise transferred by any person, including a pledgee, unless (1) either (a) a Registration Statement with respect to such shares shall be effective under the Securities Act of 1933, as amended, or (b) the Company shall have received an opinion of counsel satisfactory to it that an exemption from registration under such Act is then available, and (2) there shall have been compliance with all applicable state securities laws.”

(b) At the discretion of the Administrator, the Company shall have received an opinion of its counsel that the Shares may be issued in compliance with the Securities Act without registration thereunder.

## 23. DISSOLUTION OR LIQUIDATION OF THE COMPANY

Upon the dissolution or liquidation of the Company, all Options granted under this Plan which as of such date shall not have been exercised and all Stock Grants and Stock-Based Awards which have not been accepted, to the extent required under the applicable Agreement, will terminate and become null and void; provided, however, that if the rights of a Participant or a Participant's Survivors have not otherwise terminated and expired, the Participant or the Participant's Survivors will have the right immediately prior to such dissolution or liquidation to exercise or accept any Stock Right to the extent that the Stock Right is exercisable or subject to acceptance as of the date immediately prior to such dissolution or liquidation. Upon the dissolution or liquidation of the Company, any outstanding Stock-Based Awards shall immediately terminate unless otherwise determined by the Administrator or specifically provided in the applicable Agreement.

24. ADJUSTMENTS.

Upon the occurrence of any of the following events, a Participant's rights with respect to any Stock Right granted to him or her hereunder shall be adjusted as hereinafter provided, unless otherwise specifically provided in a Participant's Agreement:

(a) Stock Dividends and Stock Splits. If (i) the shares of Common Stock shall be subdivided or combined into a greater or smaller number of shares or if the Company shall issue any shares of Common Stock as a stock dividend on its outstanding Common Stock, or (ii) additional shares or new or different shares or other securities of the Company or other non-cash assets are distributed with respect to such shares of Common Stock, each Stock Right and the number of shares of Common Stock deliverable thereunder shall be appropriately increased or decreased proportionately, and appropriate adjustments shall be made including, in the exercise or purchase price per share, to reflect such events. The number of Shares subject to the limitations in Paragraph 3(a) shall also be proportionately adjusted upon the occurrence of such events.

(b) Corporate Transactions. If the Company is to be consolidated with or acquired by another entity in a merger, consolidation, or sale of all or substantially all of the Company's assets other than a transaction to merely change the state of incorporation (a "Corporate Transaction"), the Administrator or the board of directors of any entity assuming the obligations of the Company hereunder (the "Successor Board"), shall, as to outstanding Options, either (i) make appropriate provision for the continuation of such Options by substituting on an equitable basis for the Shares then subject to such Options either the consideration payable with respect to the outstanding shares of Common Stock in connection with the Corporate Transaction or securities of any successor or acquiring entity; or (ii) upon written notice to the Participants, provide that such Options must be exercised (either (A) to the extent then exercisable or, (B) at the discretion of the Administrator, any such Options being made partially or fully exercisable for purposes of this Subparagraph), within a specified number of days of the date of such notice, at the end of which period such Options which have not been exercised shall terminate; or (iii) terminate such Options in exchange for payment of an amount equal to the consideration payable upon consummation of such Corporate Transaction to a holder of the number of shares of Common Stock into which such Option would have been exercisable (either (A) to the extent then exercisable or, (B) at the discretion of the Administrator, any such Options being made partially or fully exercisable for purposes of this Subparagraph) less the aggregate exercise price thereof. For purposes of determining the payments to be made pursuant to Subclause (iii) above, in the case of a Corporate Transaction the consideration for which, in whole or in part, is other than cash, the consideration other than cash shall be valued at the fair value thereof as determined in good faith by the Board of Directors.

With respect to outstanding Stock Grants, the Administrator or the Successor Board, shall make appropriate provision for the continuation of such Stock Grants on the same terms and conditions by substituting on an equitable basis for the Shares then subject to such Stock Grants either the consideration payable with respect to the outstanding Shares of Common Stock in connection with the Corporate Transaction or securities of any successor or acquiring entity. In lieu of the foregoing, in connection with any Corporate Transaction, the Administrator may

provide that, upon consummation of the Corporate Transaction, each outstanding Stock Grant shall be terminated in exchange for payment of an amount equal to the consideration payable upon consummation of such Corporate Transaction to a holder of the number of shares of Common Stock comprising such Stock Grant (to the extent such Stock Grant is no longer subject to any forfeiture or repurchase rights then in effect or, at the discretion of the Administrator, all forfeiture and repurchase rights being waived upon such Corporate Transaction).

In taking any of the actions permitted under this Paragraph 24(b), the Administrator shall not be obligated by the Plan to treat all Stock Rights, all Stock Rights held by a Participant, or all Stock Rights of the same type, identically.

(c) Recapitalization or Reorganization. In the event of a recapitalization or reorganization of the Company other than a Corporate Transaction pursuant to which securities of the Company or of another corporation are issued with respect to the outstanding shares of Common Stock, a Participant upon exercising an Option or accepting a Stock Grant after the recapitalization or reorganization shall be entitled to receive for the price paid upon such exercise or acceptance if any, the number of replacement securities which would have been received if such Option had been exercised or Stock Grant accepted prior to such recapitalization or reorganization.

(d) Adjustments to Stock-Based Awards. Upon the happening of any of the events described in Subparagraphs (a), (b) or (c) above, any outstanding Stock-Based Award shall be appropriately adjusted to reflect the events described in such Subparagraphs. The Administrator or the Successor Board shall determine the specific adjustments to be made under this Paragraph 24, including, but not limited to the effect of any, Corporate Transaction and, subject to Paragraph 4, its determination shall be conclusive.

(e) Modification of Options. Notwithstanding the foregoing, any adjustments made pursuant to Subparagraph (a), (b) or (c) above with respect to Options shall be made only after the Administrator determines whether such adjustments would (i) constitute a “modification” of any ISOs (as that term is defined in Section 424(h) of the Code) or (ii) cause any adverse tax consequences for the holders of Options, including, but not limited to, pursuant to Section 409A of the Code. If the Administrator determines that such adjustments made with respect to Options would constitute a modification or other adverse tax consequence, it may refrain from making such adjustments, unless the holder of an Option specifically agrees in writing that such adjustment be made and such writing indicates that the holder has full knowledge of the consequences of such “modification” on his or her income tax treatment with respect to the Option. This paragraph shall not apply to the acceleration of the vesting of any ISO that would cause any portion of the ISO to violate the annual vesting limitation contained in Section 422(d) of the Code, as described in Paragraph 6(b)(iv).

## 25. ISSUANCES OF SECURITIES.

Except as expressly provided herein, no issuance by the Company of shares of stock of any class, or securities convertible into shares of stock of any class, shall affect, and no adjustment by reason thereof shall be made with respect to, the number or price of shares subject



to Stock Rights. Except as expressly provided herein, no adjustments shall be made for dividends paid in cash or in property (including without limitation, securities) of the Company prior to any issuance of Shares pursuant to a Stock Right.

26. FRACTIONAL SHARES.

No fractional shares shall be issued under the Plan and the person exercising a Stock Right shall receive from the Company cash in lieu of such fractional shares equal to the Fair Market Value thereof.

27. CONVERSION OF ISOs INTO NON-QUALIFIED OPTIONS; TERMINATION OF ISOs.

The Administrator, at the written request of any Participant, may in its discretion take such actions as may be necessary to convert such Participant's ISOs (or any portions thereof) that have not been exercised on the date of conversion into Non-Qualified Options at any time prior to the expiration of such ISOs, regardless of whether the Participant is an Employee of the Company or an Affiliate at the time of such conversion. At the time of such conversion, the Administrator (with the consent of the Participant) may impose such conditions on the exercise of the resulting Non-Qualified Options as the Administrator in its discretion may determine, provided that such conditions shall not be inconsistent with this Plan. Nothing in the Plan shall be deemed to give any Participant the right to have such Participant's ISOs converted into Non-Qualified Options, and no such conversion shall occur until and unless the Administrator takes appropriate action. The Administrator, with the consent of the Participant, may also terminate any portion of any ISO that has not been exercised at the time of such conversion.

28. WITHHOLDING.

In the event that any federal, state, or local income taxes, employment taxes, Federal Insurance Contributions Act ("F.I.C.A.") withholdings or other amounts are required by applicable law or governmental regulation to be withheld from the Participant's salary, wages or other remuneration in connection with the issuance of a Stock Right or Shares under the Plan or for any other reason required by law, the Company may withhold from the Participant's compensation, if any, or may require that the Participant advance in cash to the Company, or to any Affiliate of the Company which employs or employed the Participant, the statutory minimum amount of such withholdings unless a different withholding arrangement, including the use of shares of the Company's Common Stock or a promissory note, is authorized by the Administrator (and permitted by law). For purposes hereof, the fair market value of the shares withheld for purposes of payroll withholding shall be determined in the manner set forth under the definition of Fair Market Value provided in Paragraph 1 above, as of the most recent practicable date prior to the date of exercise. If the Fair Market Value of the shares withheld is less than the amount of payroll withholdings required, the Participant may be required to advance the difference in cash to the Company or the Affiliate employer. The Administrator in its discretion may condition the exercise of an Option for less than the then Fair Market Value on the Participant's payment of such additional withholding.

29. NOTICE TO COMPANY OF DISQUALIFYING DISPOSITION.

Each Employee who receives an ISO must agree to notify the Company in writing immediately after the Employee makes a Disqualifying Disposition of any Shares acquired pursuant to the exercise of an ISO. A Disqualifying Disposition is defined in Section 424(c) of the Code and includes any disposition (including any sale or gift) of such Shares before the later of (a) two years after the date the Employee was granted the ISO, or (b) one year after the date the Employee acquired Shares by exercising the ISO, except as otherwise provided in Section 424(c) of the Code. If the Employee has died before such Shares are sold, these holding period requirements do not apply and no Disqualifying Disposition can occur thereafter.

30. TERMINATION OF THE PLAN.

The Plan will terminate on the date which is ten (10) years from the earlier of the date of its adoption by the Board of Directors and the date of its approval by the shareholders of the Company. The Plan may be terminated at an earlier date by vote of the shareholders or the Board of Directors of the Company; provided, however, that any such earlier termination shall not affect any Agreements executed prior to the effective date of such termination. Termination of the Plan shall not affect any Stock Rights theretofore granted.

31. AMENDMENT OF THE PLAN AND AGREEMENTS.

The Plan may be amended by the shareholders of the Company. The Plan may also be amended by the Administrator, including, without limitation, to the extent necessary to qualify any or all outstanding Stock Rights granted under the Plan or Stock Rights to be granted under the Plan for favorable federal income tax treatment as may be afforded incentive stock options under Section 422 of the Code (including deferral of taxation upon exercise), and to the extent necessary to qualify the Shares issuable under the Plan for listing on any national securities exchange or quotation in any national automated quotation system of securities dealers. Any amendment approved by the Administrator which the Administrator determines is of a scope that requires shareholder approval shall be subject to obtaining such shareholder approval. Any modification or amendment of the Plan shall not, without the consent of a Participant, adversely affect his or her rights under a Stock Right previously granted to him or her. With the consent of the Participant affected, the Administrator may amend outstanding Agreements in a manner which may be adverse to the Participant but which is not inconsistent with the Plan. In the discretion of the Administrator, outstanding Agreements may be amended by the Administrator in a manner which is not adverse to the Participant.

32. EMPLOYMENT OR OTHER RELATIONSHIP.

Nothing in this Plan or any Agreement shall be deemed to prevent the Company or an Affiliate from terminating the employment, consultancy or director status of a Participant, nor to prevent a Participant from terminating his or her own employment, consultancy or director status or to give any Participant a right to be retained in employment or other service by the Company or any Affiliate for any period of time.

33. GOVERNING LAW.

This Plan shall be construed and enforced in accordance with the law of the State of Delaware.

**BLACK DIAMOND THERAPEUTICS, INC.**

**Stock Option Grant Notice**

Stock Option Grant under the Company's  
2017 Employee, Director and Consultant Equity Incentive Plan

- |   |  |
|---|--|
| 1. Name and Address of Participant:                               | As provided in the corresponding entry for this Grant on the Carta platform (the " <b>Grant Entry</b> ") |
| 2. Date of Option Grant:  | See the Grant Entry  |
| 3. Type of Grant:   | See the Grant Entry  |
| 4. Maximum Number of Shares for which this Option is exercisable: | See the Grant Entry  |
| 5. Exercise (purchase) price per share:                           | See the Grant Entry  |
| 6. Option Expiration Date:  | See the Grant Entry  |
| 7. Vesting Start Date:  | See the Grant Entry  |
| 8. Vesting Schedule:  | See the Grant Entry  |

The foregoing rights are cumulative and are subject to the other terms and conditions of this Agreement and the Company's 2017 Employee, Director and Consultant Equity Incentive Plan.

The Company and the Participant acknowledge receipt of this Stock Option Grant Notice and agree to the terms of the Stock Option Agreement attached hereto and incorporated by reference herein, the Company's 2017 Employee, Director and Consultant Equity Incentive Plan and the terms of this Option Grant as set forth above.

**STOCK OPTION AGREEMENT- INCORPORATED TERMS AND CONDITIONS**

AGREEMENT made as of the date of grant set forth in the Stock Option Grant Notice by and between **Black Diamond Therapeutics, Inc.** (the “**Company**”), a Delaware corporation, and the individual whose name appears on the Stock Option Grant Notice (the “**Participant**”).

WHEREAS, the Company desires to grant to the Participant an Option to purchase shares of its common stock, \$0.0001 par value per share (the “**Shares**”), under and for the purposes set forth in the Company’s 2017 Employee, Director and Consultant Equity Incentive Plan (the “**Plan**”);

WHEREAS, the Company and the Participant understand and agree that any terms used and not defined herein have the same meanings as in the Plan; and

WHEREAS, the Company and the Participant each intend that the Option granted herein shall be of the type set forth in the Stock Option Grant Notice.

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth and for other good and valuable consideration, the parties hereto agree as follows:

1. GRANT OF OPTION.

The Company hereby grants to the Participant the right and option to purchase all or any part of an aggregate of the number of Shares set forth in the Stock Option Grant Notice, on the terms and conditions and subject to all the limitations set forth herein, under United States securities and tax laws, and in the Plan, which is incorporated herein by reference. The Participant acknowledges receipt of a copy of the Plan.

2. EXERCISE PRICE.

The exercise price of the Shares covered by the Option shall be the amount per Share set forth in the Stock Option Grant Notice, subject to adjustment, as provided in the Plan, in the event of a stock split, reverse stock split or other events affecting the holders of Shares after the date hereof (the “**Exercise Price**”). Payment shall be made in accordance with Paragraph 9 of the Plan.

3. EXERCISABILITY OF OPTION.

Subject to the terms and conditions set forth in this Agreement and the Plan, the Option granted hereby shall become vested and exercisable as set forth in the Stock Option Grant Notice and is subject to the other terms and conditions of this Agreement and the Plan.

4. TERM OF OPTION.

This Option shall terminate on the Option Expiration Date as specified in the Stock Option Grant Notice and, if this Option is designated in the Stock Option Grant Notice as an ISO and the Participant owns as of the date hereof more than 10% of the total combined voting power of all classes of capital stock of the Company or an Affiliate, such date may not be more than five years from the date of this Agreement, but shall be subject to earlier termination as provided herein or in the Plan.

If the Participant ceases to be an Employee, director or Consultant of the Company or of an Affiliate for any reason other than the death or Disability of the Participant, or termination of the Participant for Cause (the "**Termination Date**"), the Option to the extent then vested and exercisable pursuant to Section 3 hereof as of the Termination Date, and not previously terminated in accordance with this Agreement, may be exercised within three months after the Termination Date, or on or prior to the Option Expiration Date as specified in the Stock Option Grant Notice, whichever is earlier, but may not be exercised thereafter except as set forth below. In such event, the unvested portion of the Option shall not be exercisable and shall expire and be cancelled on the Termination Date.

If this Option is designated in the Stock Option Grant Notice as an ISO and the Participant ceases to be an Employee of the Company or of an Affiliate but continues after termination of employment to provide service to the Company or an Affiliate as a director or Consultant, this Option shall continue to vest in accordance with Section 3 above as if this Option had not terminated until the Participant is no longer providing services to the Company. In such case, this Option shall automatically convert and be deemed a Non-Qualified Option as of the date that is three months from termination of the Participant's employment and this Option shall continue on the same terms and conditions set forth herein until such Participant is no longer providing service to the Company or an Affiliate.

Notwithstanding the foregoing, in the event of the Participant's Disability or death within three months after the Termination Date, the Participant or the Participant's Survivors may exercise the Option within one year after the Termination Date, but in no event after the Option Expiration Date as specified in the Stock Option Grant Notice.

In the event the Participant's service is terminated by the Company or an Affiliate for Cause, the Participant's right to exercise any unexercised portion of this Option even if vested shall cease immediately as of the time the Participant is notified his or her service is terminated for Cause, and this Option shall thereupon terminate. Notwithstanding anything herein to the contrary, if subsequent to the Participant's termination, but prior to the exercise of the Option, the Administrator determines that, either prior or subsequent to the Participant's termination, the Participant engaged in conduct which would constitute Cause, then the Participant shall immediately cease to have any right to exercise the Option and this Option shall thereupon terminate.

In the event of the Disability of the Participant, as determined in accordance with the Plan, the Option shall be exercisable within one year after the Participant's termination of service due to Disability or, if earlier, on or prior to the Option Expiration Date as specified in the Stock Option Grant Notice. In such event, the Option shall be exercisable:

- (a) to the extent that the Option has become exercisable but has not been exercised as of the date of the Participant's termination of service due to Disability; and
- (b) in the event rights to exercise the Option accrue periodically, to the extent of a pro rata portion through the date of the Participant's termination of service due to Disability of any additional vesting rights that would have accrued on the next vesting date had the Participant not become Disabled. The proration shall be based upon the number of days accrued in the current vesting period prior to the date of the Participant's termination of service due to Disability.

In the event of the death of the Participant while an Employee, director or Consultant of the Company or of an Affiliate, the Option shall be exercisable by the Participant's Survivors within one year after the date of death of the Participant or, if earlier, on or prior to the Option Expiration Date as specified in the Stock Option Grant Notice. In such event, the Option shall be exercisable:

- (x) to the extent that the Option has become exercisable but has not been exercised as of the date of death; and
- (y) in the event rights to exercise the Option accrue periodically, to the extent of a pro rata portion through the date of death of any additional vesting rights that would have accrued on the next vesting date had the Participant not died. The proration shall be based upon the number of days accrued in the current vesting period prior to the Participant's date of death.

5. METHOD OF EXERCISING OPTION.

Subject to the terms and conditions of this Agreement, the Option may be exercised by written notice to the Company or its designee, in substantially the form of Exhibit A attached hereto (or in such other form acceptable to the Company, which may include electronic notice). Such notice shall state the number of Shares with respect to which the Option is being exercised and shall be signed by the person exercising the Option (which signature may be provided electronically in a form acceptable to the Company). Payment of the Exercise Price for such Shares shall be made in accordance with Paragraph 9 of the Plan. The Company shall deliver such Shares as soon as practicable after the notice shall be received, provided, however, that the Company may delay issuance of such Shares until completion of any action or obtaining of any consent, which the Company deems necessary under any applicable law (including, without limitation, state securities or "blue sky" laws). The Shares as to which the Option shall

have been so exercised shall be registered in the Company's share register in the name of the person so exercising the Option (or, if the Option shall be exercised by the Participant and if the Participant shall so request in the notice exercising the Option, shall be registered in the Company's share register in the name of the Participant and another person jointly, with right of survivorship) and shall be delivered as provided above to or upon the written order of the person exercising the Option. In the event the Option shall be exercised, pursuant to Section 4 hereof, by any person other than the Participant, such notice shall be accompanied by appropriate proof of the right of such person to exercise the Option. All Shares that shall be purchased upon the exercise of the Option as provided herein shall be fully paid and non-assessable.

6. PARTIAL EXERCISE.

Exercise of this Option to the extent above stated may be made in part at any time and from time to time within the above limits, except that no fractional share shall be issued pursuant to this Option.

7. NON-ASSIGNABILITY.

The Option shall not be transferable by the Participant otherwise than by will or by the laws of descent and distribution. If this Option is a Non-Qualified Option then it may also be transferred pursuant to a qualified domestic relations order as defined by the Code or Title I of the Employee Retirement Income Security Act or the rules thereunder. Except as provided above in this paragraph, the Option shall be exercisable, during the Participant's lifetime, only by the Participant (or, in the event of legal incapacity or incompetency, by the Participant's guardian or representative) and shall not be assigned, pledged or hypothecated in any way (whether by operation of law or otherwise) and shall not be subject to execution, attachment or similar process. Any attempted transfer, assignment, pledge, hypothecation or other disposition of the Option or of any rights granted hereunder contrary to the provisions of this Section 7, or the levy of any attachment or similar process upon the Option shall be null and void.

8. NO RIGHTS AS STOCKHOLDER UNTIL EXERCISE.

The Participant shall have no rights as a stockholder with respect to Shares subject to this Agreement until registration of the Shares in the Company's share register in the name of the Participant. Except as is expressly provided in the Plan with respect to certain changes in the capitalization of the Company, no adjustment shall be made for dividends or similar rights for which the record date is prior to the date of such registration.

9. ADJUSTMENTS.

The Plan contains provisions covering the treatment of Options in a number of contingencies such as stock splits and mergers. Provisions in the Plan for adjustment with respect to stock subject to Options and the related provisions with respect to successors to the business of the Company are hereby made applicable hereunder and are incorporated herein by reference.



10. TAXES.

The Participant acknowledges and agrees that (i) any income or other taxes due from the Participant with respect to this Option or the Shares issuable upon exercise of this Option shall be the Participant's responsibility; (ii) the Participant was free to use professional advisors of his or her choice in connection with this Agreement, has received advice from his or her professional advisors in connection with this Agreement, understands its meaning and import, and is entering into this Agreement freely and without coercion or duress; (iii) the Participant has not received and is not relying upon any advice, representations or assurances made by or on behalf of the Company or any Affiliate or any Employee of or counsel to the Company or any Affiliate regarding any tax or other effects or implications of the Option, the Shares or other matters contemplated by this Agreement and (iv) neither the Administrator, the Company, its Affiliates, nor any of its officers or directors, shall be held liable for any applicable costs, taxes, or penalties associated with the Option if, in fact, the Internal Revenue Service were to determine that the Option constitutes deferred compensation under Section 409A of the Code.

If this Option is designated in the Stock Option Grant Notice as a Non-Qualified Option or if the Option is an ISO and is converted into a Non-Qualified Option and such Non-Qualified Option is exercised, the Participant agrees that the Company may withhold from the Participant's remuneration, if any, the minimum statutory amount of federal, state and local withholding taxes attributable to such amount that is considered compensation includable in such person's gross income. At the Company's discretion, the amount required to be withheld may be withheld in cash from such remuneration, or in kind from the Shares otherwise deliverable to the Participant on exercise of the Option. The Participant further agrees that, if the Company does not withhold an amount from the Participant's remuneration sufficient to satisfy the Company's income tax withholding obligation, the Participant will reimburse the Company on demand, in cash, for the amount under-withheld.

11. PURCHASE FOR INVESTMENT.

Unless the offering and sale of the Shares to be issued upon the particular exercise of the Option shall have been effectively registered under the Securities Act of 1933, as now in force or hereafter amended (the "**1933 Act**"), the Company shall be under no obligation to issue the Shares covered by such exercise unless the Company has determined that such exercise and issuance would be exempt from the registration requirements of the 1933 Act and until the following conditions have been fulfilled:

- (a) The person(s) who exercise the Option shall warrant to the Company, at the time of such exercise, that such person(s) are acquiring such Shares for their own respective accounts, for investment, and not with a view to, or for sale in connection with, the distribution of any such Shares, in which event the person(s) acquiring such Shares shall be bound by the provisions

of the following legend which shall be endorsed upon any certificate(s) evidencing the Shares issued pursuant to such exercise:

“The shares represented by this certificate have been taken for investment and they may not be sold or otherwise transferred by any person, including a pledgee, unless (1) either (a) a Registration Statement with respect to such shares shall be effective under the Securities Act of 1933, as amended, or (b) the Company shall have received an opinion of counsel satisfactory to it that an exemption from registration under such Act is then available, and (2) there shall have been compliance with all applicable state securities laws;” and

(b) If the Company so requires, the Company shall have received an opinion of its counsel that the Shares may be issued upon such particular exercise in compliance with the 1933 Act without registration thereunder. Without limiting the generality of the foregoing, the Company may delay issuance of the Shares until completion of any action or obtaining of any consent, which the Company deems necessary under any applicable law (including without limitation state securities or “blue sky” laws).

## 12. RESTRICTIONS ON TRANSFER OF SHARES.

12.1 The Shares acquired by the Participant pursuant to the exercise of the Option granted hereby shall not be transferred by the Participant except as permitted herein.

12.2 In the event of the Participant’s termination of service for any reason, the Company shall have the option, but not the obligation, to repurchase all or any part of the Shares issued pursuant to this Agreement (including, without limitation, Shares purchased after termination of service, Disability or death in accordance with Section 4 hereof). In the event the Company does not, upon the termination of service of the Participant (as described above), exercise its option pursuant to this Section 12.2, the restrictions set forth in the balance of this Agreement shall not thereby lapse, and the Participant for himself or herself, his or her heirs, legatees, executors, administrators and other successors in interest, agrees that the Shares shall remain subject to such restrictions. The following provisions shall apply to a repurchase under this Section 12.2:

- (i) The per share repurchase price of the Shares to be sold to the Company upon exercise of its option under this Section 12.2 shall be equal to the Fair Market Value of each such Share determined in accordance with the Plan as of the date of repurchase provided, however, in the event of a termination by the Company for Cause, the per share repurchase price of the Shares to be sold to the Company upon exercise of its option under this Section 12.2 shall be equal to \$0.01.
- (ii) The Company’s option to repurchase the Participant’s Shares in the event of termination of service shall be valid for a period of 12 months commencing with the date of such termination of service.

- (iii) In the event the Company shall be entitled to and shall elect to exercise its option to repurchase the Participant's Shares under this Section 12.2, the Company shall notify the Participant, or in case of death, his or her Survivor, in writing of its intent to repurchase the Shares. Such written notice may be mailed by the Company up to and including the last day of the time period provided for in Section 12.2(ii) for exercise of the Company's option to repurchase.
  - (iv) The written notice to the Participant shall specify the address at, and the time and date on, which payment of the repurchase price is to be made (the "**Closing**"). The date specified shall not be less than ten (10) days nor more than sixty (60) days from the date of the mailing of the notice, and the Participant or his or her successor in interest with respect to the Shares shall have no further rights as the owner thereof from and after the date specified in the notice. At the Closing, the repurchase price shall be delivered to the Participant or his or her successor in interest and the Shares being purchased, duly endorsed for transfer, shall, to the extent that they are not then in the possession of the Company, be delivered to the Company by the Participant or his or her successor in interest.
- 12.3 It shall be a condition precedent to the validity of any sale or other transfer of any Shares by the Participant that the following restrictions be complied with (except as hereinafter otherwise provided):
- (i) No Shares owned by the Participant may be sold, pledged or otherwise transferred (including by gift or devise) to any person or entity, voluntarily, or by operation of law, except in accordance with the terms and conditions hereinafter set forth.
  - (ii) Before selling or otherwise transferring all or part of the Shares, the Participant shall give written notice of such intention to the Company, which notice shall include the name of the proposed transferee, the proposed purchase price per share, the terms of payment of such purchase price and all other matters relating to such sale or transfer and shall be accompanied by a copy of the binding written agreement of the proposed transferee to purchase the Shares of the Participant. Such notice shall constitute a binding offer by the Participant to sell to the Company such number of the Shares then held by the Participant as are proposed to be sold in the notice at the monetary price per share designated in such notice, payable on the terms offered to the Participant by the proposed transferee (provided, however, that the Company shall not be required to meet any non-monetary terms of the proposed transfer, including, without limitation, delivery of other securities in exchange for the Shares proposed to be sold). The Company shall give written notice to the Participant as to whether such offer has been accepted in whole or in part by the Company within sixty (60) days after its receipt of written notice from the Participant. Such acceptance notice shall fix a time, location and date for the Closing on such purchase ("**Closing Date**") which shall not be less than ten nor more than sixty days after the giving of the acceptance notice, provided, however, if any of the Shares to be sold pursuant to

this Section 12.3 have been held by the Participant for less than six months, then the Closing Date may be extended by the Company until no more than ten days after such Shares have been held by the Participant for six months if required under applicable accounting rules in effect at the time. The place for such Closing shall be at the Company's principal office. At such Closing, the Participant shall accept payment as set forth herein and shall deliver to the Company in exchange therefor certificates for the number of Shares stated in the notice accompanied by duly executed instruments of transfer.

- (iii) If the Company shall fail to accept any such offer, the Participant shall be free to sell the remaining amount of the Shares set forth in his or her notice to the designated transferee at the price and terms designated in the Participant's notice, provided that (i) such sale is consummated within 120 days after the giving of notice by the Participant to the Company as aforesaid, and (ii) the transferee first agrees in writing to be bound by the provisions of this Section 12 so that such transferee (and all subsequent transferees) shall thereafter only be permitted to sell or transfer the Shares in accordance with the terms hereof. After the expiration of such 120 days, the provisions of this Section 12.3 shall again apply with respect to any proposed voluntary transfer of the Participant's Shares.
- (iv) The provisions of this Section 12.3 may be waived by the Company. Any such waiver may be unconditional or based upon such conditions as the Company may impose.

12.4 In the event that the Participant or his or her successor in interest fails to deliver the Shares to be repurchased by the Company under this Agreement, the Company may elect (a) to establish a segregated account in the amount of the repurchase price, such account to be turned over to the Participant or his or her successor in interest upon delivery of such Shares, and (b) immediately to take such action as is appropriate to transfer record title of such Shares from the Participant to the Company and to treat the Participant and such Shares in all respects as if delivery of such Shares had been made as required by this Agreement. The Participant hereby irrevocably grants the Company a power of attorney which shall be coupled with an interest for the purpose of effectuating the preceding sentence.

12.5 If the Company shall pay a stock dividend or declare a stock split on or with respect to any of its Common Stock, or otherwise distribute securities of the Company to the holders of its Common Stock, the number of shares of stock or other securities of the Company issued with respect to the shares then subject to the restrictions contained in this Agreement shall be added to the Shares subject to the Company's rights to repurchase pursuant to this Agreement. If the Company shall distribute to its stockholders shares of stock of another corporation, the shares of stock of such other corporation, distributed with respect to the Shares then subject to the restrictions contained in this Agreement, shall be added to the Shares subject to the Company's rights to repurchase pursuant to this Agreement.

12.6 If the outstanding shares of Common Stock of the Company shall be subdivided into a greater number of shares or combined into a smaller number of shares, or in the event of a reclassification of the outstanding shares of Common Stock of the Company, or if the Company shall be a party to a merger, consolidation or capital reorganization, there shall be substituted for the Shares then subject to the restrictions contained in this Agreement such amount and kind of securities as are issued in such subdivision, combination, reclassification, merger, consolidation or capital reorganization in respect of the Shares subject immediately prior thereto to the Company's rights to repurchase pursuant to this Agreement.

12.7 The Company shall not be required to transfer any Shares on its books which shall have been sold, assigned or otherwise transferred in violation of this Agreement, or to treat as owner of such Shares, or to accord the right to vote as such owner or to pay dividends to, any person or organization to which any such Shares shall have been so sold, assigned or otherwise transferred, in violation of this Agreement.

12.8 The provisions of Sections 12.1, 12.2 and 12.3 shall terminate upon consummation of a public offering of any of the Company's securities pursuant to a registration statement filed with the Securities and Exchange Commission pursuant to the 1933 Act.

12.9 The Participant agrees that in the event the Company proposes to offer for sale to the public any of its equity securities and such Participant is requested by the Company and any underwriter engaged by the Company in connection with such offering to sign an agreement restricting the sale or other transfer of Shares, then it will promptly sign such agreement and will not transfer, whether in privately negotiated transactions or to the public in open market transactions or otherwise, any Shares or other securities of the Company held by him or her during such period as is determined by the Company and the underwriters, not to exceed 180 days following the closing of the offering, plus such additional period of time as may be required to comply with Financial Industry Regulatory Authority Rule 2241 or similar rules thereto (such period, the "**Lock-Up Period**"). Such agreement shall be in writing and in form and substance reasonably satisfactory to the Company and such underwriter and pursuant to customary and prevailing terms and conditions. Notwithstanding whether the Participant has signed such an agreement, the Company may impose stop-transfer instructions with respect to the Shares or other securities of the Company subject to the foregoing restrictions until the end of the Lock-Up Period.

12.10 The Participant acknowledges and agrees that neither the Company, its shareholders nor its directors and officers, has any duty or obligation to disclose to the Participant any material information regarding the business of the Company or affecting the value of the Shares before, at the time of, or following a termination of the service of the Participant by the Company, including, without limitation, any information concerning plans for the Company to make a public offering of its securities or to be acquired by or merged with or into another firm or entity.

12.11 All certificates representing the Shares to be issued to the Participant pursuant to this Agreement shall have endorsed thereon a legend substantially as follows: "The shares

represented by this certificate are subject to restrictions set forth in a Stock Option Agreement with this Company, a copy of which Agreement is available for inspection at the offices of the Company or will be made available upon request.”

13. NO OBLIGATION TO MAINTAIN RELATIONSHIP.

The Participant acknowledges that: (i) the Company is not by the Plan or this Option obligated to continue the Participant as an Employee, director or Consultant of the Company or an Affiliate; (ii) the Plan is discretionary in nature and may be suspended or terminated by the Company at any time; (iii) the grant of the Option is a one-time benefit which does not create any contractual or other right to receive future grants of options, or benefits in lieu of options; (iv) all determinations with respect to any such future grants, including, but not limited to, the times when options shall be granted, the number of shares subject to each option, the option price, and the time or times when each option shall be exercisable, will be at the sole discretion of the Company; (v) the Participant’s participation in the Plan is voluntary; (vi) the value of the Option is an extraordinary item of compensation which is outside the scope of the Participant’s employment or consulting contract, if any; and (vii) the Option is not part of normal or expected compensation for purposes of calculating any severance, resignation, redundancy, end of service payments, bonuses, long-service awards, pension or retirement benefits or similar payments.

14. IF OPTION IS INTENDED TO BE AN ISO.

If this Option is designated in the Stock Option Grant Notice as an ISO so that the Participant (or the Participant’s Survivors) may qualify for the favorable tax treatment provided to holders of Options that meet the standards of Section 422 of the Code then any provision of this Agreement or the Plan which conflicts with the Code so that this Option would not be deemed an ISO is null and void and any ambiguities shall be resolved so that the Option qualifies as an ISO. The Participant should consult with the Participant’s own tax advisors regarding the tax effects of the Option and the requirements necessary to obtain favorable tax treatment under Section 422 of the Code, including, but not limited to, holding period requirements.

Notwithstanding the foregoing, to the extent that the Option is designated in the Stock Option Grant Notice as an ISO and is not deemed to be an ISO pursuant to Section 422(d) of the Code because the aggregate Fair Market Value (determined as of the Date of Option Grant) of any of the Shares with respect to which this ISO is granted becomes exercisable for the first time during any calendar year in excess of \$100,000, the portion of the Option representing such excess value shall be treated as a Non-Qualified Option and the Participant shall be deemed to have taxable income measured by the difference between the then Fair Market Value of the Shares received upon exercise and the price paid for such Shares pursuant to this Agreement.

Neither the Company nor any Affiliate shall have any liability to the Participant, or any other party, if the Option (or any part thereof) that is intended to be an ISO is not an ISO or for any action taken by the Administrator, including without limitation the conversion of an ISO to a Non-Qualified Option.

15. NOTICE TO COMPANY OF DISQUALIFYING DISPOSITION OF AN ISO.

If this Option is designated in the Stock Option Grant Notice as an ISO then the Participant agrees to notify the Company in writing immediately after the Participant makes a Disqualifying Disposition of any of the Shares acquired pursuant to the exercise of the ISO. A Disqualifying Disposition is defined in Section 424(c) of the Code and includes any disposition (including any sale) of such Shares before the later of (a) two years after the date the Participant was granted the ISO or (b) one year after the date the Participant acquired Shares by exercising the ISO, except as otherwise provided in Section 424(c) of the Code. If the Participant has died before the Shares are sold, these holding period requirements do not apply and no Disqualifying Disposition can occur thereafter.

16. NOTICES.

Any notices required or permitted by the terms of this Agreement or the Plan shall be given by recognized courier service, facsimile, registered or certified mail, return receipt requested, addressed as follows:

If to the Company:

Black Diamond Therapeutics, Inc.  
25 Health Sciences Drive, Suite 105  
Stony Brook, NY 11790  
Attention: David Epstein  
Email: DEpstein@bdtherapeutics.com

If to the Participant at the address set forth on the Stock Option Grant Notice

or to such other address or addresses of which notice in the same manner has previously been given. Any such notice shall be deemed to have been given upon the earlier of receipt, one business day following delivery to a recognized courier service or three business days following mailing by registered or certified mail.

17. GOVERNING LAW.

This Agreement shall be governed by and construed in accordance with the laws of the State of Delaware, without giving effect to the conflict of law principles thereof. For the purpose of litigating any dispute that arises under this Agreement, the parties hereby consent to exclusive jurisdiction in Delaware and agree that such litigation shall be conducted in the state courts of Newcastle County, Delaware or the federal courts of the United States for the District of Delaware.

18. BENEFIT OF AGREEMENT.

Subject to the provisions of the Plan and the other provisions hereof, this Agreement shall be for the benefit of and shall be binding upon the heirs, executors, administrators, successors and assigns of the parties hereto.

19. ENTIRE AGREEMENT.

This Agreement, together with the Plan, embodies the entire agreement and understanding between the parties hereto with respect to the subject matter hereof and supersedes all prior oral or written agreements and understandings relating to the subject matter hereof. No statement, representation, warranty, covenant or agreement not expressly set forth in this Agreement shall affect or be used to interpret, change or restrict, the express terms and provisions of this Agreement, provided, however, in any event, this Agreement shall be subject to and governed by the Plan.

20. MODIFICATIONS AND AMENDMENTS.

The terms and provisions of this Agreement may be modified or amended as provided in the Plan.

21. WAIVERS AND CONSENTS.

Except as provided in the Plan, the terms and provisions of this Agreement may be waived, or consent for the departure therefrom granted, only by written document executed by the party entitled to the benefits of such terms or provisions. No such waiver or consent shall be deemed to be or shall constitute a waiver or consent with respect to any other terms or provisions of this Agreement, whether or not similar. Each such waiver or consent shall be effective only in the specific instance and for the purpose for which it was given, and shall not constitute a continuing waiver or consent.

22. DATA PRIVACY.

By entering into this Agreement, the Participant: (i) authorizes the Company and each Affiliate, and any agent of the Company or any Affiliate administering the Plan or providing Plan recordkeeping services, to disclose to the Company or any of its Affiliates such information and data as the Company or any such Affiliate shall request in order to facilitate the grant of options and the administration of the Plan; and (ii) authorizes the Company and each Affiliate to store and transmit such information in electronic form for the purposes set forth in this Agreement.

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NOTICE OF EXERCISE OF STOCK OPTION

**[Form for Unregistered Shares]**

To: Black Diamond Therapeutics, Inc.

Ladies and Gentlemen:

I hereby exercise my Stock Option to purchase \_\_\_\_\_ shares (the “**Shares**”) of the common stock, \$0.0001 par value, of Black Diamond Therapeutics, Inc. (the “**Company**”), at the exercise price of \$ \_\_\_\_\_ per share, pursuant to and subject to the terms of that certain Stock Option Agreement between the undersigned and the Company dated \_\_\_\_\_.

I am aware that the Shares have not been registered under the Securities Act of 1933, as amended (the “**1933 Act**”), or any state securities laws. I understand that the reliance by the Company on exemptions under the 1933 Act is predicated in part upon the truth and accuracy of the statements by me in this Notice of Exercise.

I hereby represent and warrant that (1) I have been furnished with all information which I deem necessary to evaluate the merits and risks of the purchase of the Shares; (2) I have had the opportunity to ask questions concerning the Shares and the Company and all questions posed have been answered to my satisfaction; (3) I have been given the opportunity to obtain any additional information I deem necessary to verify the accuracy of any information obtained concerning the Shares and the Company; and (4) I have such knowledge and experience in financial and business matters that I am able to evaluate the merits and risks of purchasing the Shares and to make an informed investment decision relating thereto.

I hereby represent and warrant that I am purchasing the Shares for my own personal account for investment and not with a view to the sale or distribution of all or any part of the Shares.

I understand that because the Shares have not been registered under the 1933 Act, I must continue to bear the economic risk of the investment for an indefinite time and the Shares cannot be sold unless the Shares are subsequently registered under applicable federal and state securities laws or an exemption from such registration requirements is available.

I agree that I will in no event sell or distribute or otherwise dispose of all or any part of the Shares unless (1) there is an effective registration statement under the 1933 Act and applicable state securities laws covering any such transaction involving the Shares or (2) the Company receives an opinion of my legal counsel (concurring in by legal counsel for the Company) stating that such transaction is exempt from registration or the Company otherwise satisfies itself that such transaction is exempt from registration.

Exhibit A-1

I consent to the placing of a legend on my certificate for the Shares stating that the Shares have not been registered and setting forth the restriction on transfer contemplated hereby and to the placing of a stop transfer order on the books of the Company and with any transfer agents against the Shares until the Shares may be legally resold or distributed without restriction.

I understand that at the present time Rule 144 of the Securities and Exchange Commission (the "SEC") may not be relied on for the resale or distribution of the Shares by me. I understand that the Company has no obligation to me to register the sale of the Shares with the SEC and has not represented to me that it will register the sale of the Shares.

I understand the terms and restrictions on the right to dispose of the Shares set forth in the 2017 Employee, Director and Consultant Equity Incentive Plan and the Stock Option Agreement, both of which I have carefully reviewed. I consent to the placing of a legend on my certificate for the Shares referring to such restriction and the placing of stop transfer orders until the Shares may be transferred in accordance with the terms of such restrictions.

I have considered the federal, state and local income tax implications of the exercise of my Option and the purchase and subsequent sale of the Shares.

I am paying the option exercise price for the Shares as follows:

\_\_\_\_\_

Please issue the Shares (check one):

to me; or

to me and \_\_\_\_\_, as joint tenants with right of survivorship

and mail the certificate to me at the following address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Exhibit A-2

My mailing address for shareholder communications, if different from the address listed above is:

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Very truly yours,

\_\_\_\_\_  
Participant (signature)

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date

Exhibit A-3

NOTICE OF EXERCISE OF STOCK OPTION

**[Form for Shares Registered in the United States]**

To: Black Diamond Therapeutics, Inc.

IMPORTANT NOTICE: This form of Notice of Exercise may only be used at such time as the Company has filed a Registration Statement with the Securities and Exchange Commission under which the issuance of the Shares for which this exercise is being made is registered and such Registration Statement remains effective.

Ladies and Gentlemen:

I hereby exercise my Stock Option to purchase \_\_\_\_\_ shares (the “**Shares**”) of the common stock, \$0.0001 par value, of Black Diamond Therapeutics, Inc. (the “**Company**”), at the exercise price of \$ \_\_\_\_\_ per share, pursuant to and subject to the terms of that Stock Option Grant Notice dated \_\_\_\_\_, 201\_\_\_\_\_.

I understand the nature of the investment I am making and the financial risks thereof. I am aware that it is my responsibility to have consulted with competent tax and legal advisors about the relevant national, state and local income tax and securities laws affecting the exercise of the Option and the purchase and subsequent sale of the Shares.

I am paying the option exercise price for the Shares as follows:

\_\_\_\_\_

Please issue the Shares (check one):

to me; or

to me and \_\_\_\_\_, as joint tenants with right of survivorship,

at the following address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

My mailing address for shareholder communications, if different from the address listed above, is:

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Very truly yours,

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Participant (signature)

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Print Name

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Date

Exhibit B-2

**BLACK DIAMOND THERAPEUTICS, INC.**  
**AMENDMENT NO. 1 TO**  
**2017 EMPLOYEE, DIRECTOR AND CONSULTANT EQUITY INCENTIVE PLAN**

The Black Diamond Therapeutics, Inc. 2017 Employee, Director and Consultant Equity Incentive Plan, as amended (the "Plan") is hereby amended by the Board of Directors as follows:

Section 3(a) of the Plan is hereby amended to increase the total number of Shares (as defined in the Plan) reserved and immediately available for issuance under the Plan by 54,750 shares and to increase the number of Shares reserved and available for issuance under the Plan following the consummation of the Milestone Closing (as defined below) by 70,150 shares such that Section 3(a) of the Plan, as so amended, shall read in its entirety as follows:

**SECTION 3. STOCK SUBJECT TO THE PLAN.**

(a) The number of Shares which may be issued from time to time pursuant to this Plan shall be (i) 5,468,458 and (ii) upon the consummation of the Milestone Closing (as defined in that certain Series B Preferred Stock Purchase Agreement, dated December 21, 2018), shall be increased by 1,538,115 to 7,006,573, or the equivalent of such number of Shares after the Administrator, in its sole discretion, has interpreted the effect of any stock split, stock dividend, combination, recapitalization or similar transaction in accordance with Paragraph 24 of the Plan.

ADOPTED BY BOARD OF DIRECTORS: July 8, 2019

ADOPTED BY STOCKHOLDERS: July 8, 2019

**BLACK DIAMOND THERAPEUTICS, INC.**  
**AMENDMENT NO. 2 TO**  
**2017 EMPLOYEE, DIRECTOR AND CONSULTANT EQUITY INCENTIVE PLAN**

The Black Diamond Therapeutics, Inc. 2017 Employee, Director and Consultant Equity Incentive Plan, as amended (the "Plan") is hereby amended by the Board of Directors as follows:

Section 3(a) of the Plan is hereby amended to increase the total number of Shares (as defined in the Plan) reserved and immediately available for issuance under the Plan by 1,330,000 shares such that Section 3(a) of the Plan, as so amended, shall read in its entirety as follows:

**SECTION 3. STOCK SUBJECT TO THE PLAN.**

(a) The number of Shares which may be issued from time to time pursuant to this Plan shall be 8,336,573 or the equivalent of such number of Shares after the Administrator, in its sole discretion, has interpreted the effect of any stock split, stock dividend, combination, recapitalization or similar transaction in accordance with Paragraph 24 of the Plan.

ADOPTED BY BOARD OF DIRECTORS: November 22, 2019

ADOPTED BY STOCKHOLDERS: November 22, 2019

## BLACK DIAMOND THERAPEUTICS, INC.

## SENIOR EXECUTIVE CASH INCENTIVE BONUS PLAN

1. Purpose

This Senior Executive Cash Incentive Bonus Plan (the “Incentive Plan”) is intended to provide an incentive for superior work and to motivate eligible executives of Black Diamond Therapeutics, Inc. (the “Company”) and its subsidiaries toward even higher achievement and business results, to tie their goals and interests to those of the Company and its stockholders and to enable the Company to attract and retain highly qualified executives. The Incentive Plan is for the benefit of Covered Executives (as defined below).

2. Covered Executives

From time to time, the Compensation, Nomination and Corporate Governance Committee of the Board of Directors of the Company (the “Compensation Committee”) may select certain key executives (the “Covered Executives”) to be eligible to receive bonuses hereunder. Participation in the Incentive Plan does not change the “at will” nature of a Covered Executive’s employment with the Company.

3. Administration

The Compensation Committee shall have the sole discretion and authority to administer and interpret the Incentive Plan.

4. Bonus Determinations

(a) Corporate Performance Goals. A Covered Executive may receive a bonus payment under the Incentive Plan based upon the attainment of one or more performance objectives that are established by the Compensation Committee and relate to financial and operational metrics with respect to the Company or any of its subsidiaries (the “Corporate Performance Goals”), including without limitation any of the following: developmental, publication, clinical, regulatory, business development or commercial milestones; organizational metrics such as employee turnover rates, engagement survey results, establishment of a company values program, etc.; earnings before interest, taxes, depreciation and amortization; cash flow (including, but not limited to, operating cash flow and free cash flow); revenue; corporate revenue; net income (loss) (either before or after interest, taxes, depreciation and/or amortization); changes in the market price of the Company’s common stock; economic value-added; acquisitions or strategic transactions; operating income (loss); return on capital, assets, equity, or investment; stockholder returns; return on sales; gross or net profit levels; productivity; expense efficiency; margins; operating efficiency; customer satisfaction; working capital; earnings (loss) per share of the Company’s common stock; sales or market shares; number of customers, number of new customers or customer references; operating income and/or net annual recurring revenue, any of which may be (A) measured in absolute terms or compared to any incremental increase, (B) measured in terms of growth, (C) compared to another company or companies or to results of a peer group, (D) measured against the market as a whole and/or as



compared to applicable market indices and/or (E) measured on a pre-tax or post-tax basis (if applicable). Further, any Corporate Performance Goals may be used to measure the performance of the Company as a whole or a business unit or other segment of the Company, or one or more product lines or specific markets. The Corporate Performance Goals may differ from Covered Executive to Covered Executive.

(b) Calculation of Corporate Performance Goals. At the beginning of each applicable performance period, the Compensation Committee will determine whether any significant element(s) will be included in or excluded from the calculation of any Corporate Performance Goal with respect to any Covered Executive. In all other respects, Corporate Performance Goals will be calculated in accordance with the Company's financial statements, generally accepted accounting principles, or under a methodology established by the Compensation Committee at the beginning of the performance period and which is consistently applied with respect to a Corporate Performance Goal in the relevant performance period.

(c) Target; Minimum; Maximum. Each Corporate Performance Goal shall have a "target" (i.e., 100 percent attainment of the Corporate Performance Goal) and may also have a "minimum" hurdle and/or a "maximum" amount.

(d) Bonus Requirements; Individual Goals. Except as otherwise set forth in this Section 4(d): (i) any bonuses paid to Covered Executives under the Incentive Plan shall be based upon objectively determinable bonus formulas that tie such bonuses to one or more performance targets relating to the Corporate Performance Goals, (ii) bonus formulas for Covered Executives shall be adopted in each performance period by the Compensation Committee and communicated to each Covered Executive at the beginning of each performance period and (iii) no bonuses shall be paid to Covered Executives unless and until the Compensation Committee makes a determination with respect to the attainment of the performance targets relating to the Corporate Performance Goals. Notwithstanding the foregoing, the Compensation Committee may adjust bonuses payable under the Incentive Plan based on achievement of one or more individual performance objectives or pay bonuses (including, without limitation, discretionary bonuses) to Covered Executives under the Incentive Plan based on individual performance goals and/or upon such other terms and conditions as the Compensation Committee may in its discretion determine.

(e) Individual Target Bonuses. The Compensation Committee shall establish a target bonus opportunity for each Covered Executive for each performance period. For each Covered Executive, the Compensation Committee shall have the authority to apportion the target award so that a portion of the target award shall be tied to attainment of Corporate Performance Goals and a portion of the target award shall be tied to attainment of individual performance objectives.

(f) Employment Requirement. Subject to any additional terms contained in a written agreement between the Covered Executive and the Company, the payment of a bonus to a Covered Executive with respect to a performance period shall be conditioned upon the Covered Executive's employment by the Company on the bonus payment date. If a Covered Executive was not employed for an entire performance period, the Compensation Committee may pro rate the bonus based on the number of days employed during such period.

5. Timing of Payment

(a) With respect to Corporate Performance Goals established and measured on a basis more frequently than annually (e.g., quarterly or semi-annually), the Corporate Performance Goals will be measured at the end of each performance period after the Company's financial reports with respect to such period(s) have been published. If the Corporate Performance Goals and/or individual goals for such period are met, payments will be made as soon as practicable following the end of such period, but not later 74 days after the end of the fiscal year in which such performance period ends.

(b) With respect to Corporate Performance Goals established and measured on an annual or multi-year basis, Corporate Performance Goals will be measured as of the end of each such performance period (e.g., the end of each fiscal year) after the Company's financial reports with respect to such period(s) have been published. If the Corporate Performance Goals and/or individual goals for any such period are met, bonus payments will be made as soon as practicable, but not later than 74 days after the end of the relevant fiscal year.

(c) For the avoidance of doubt, bonuses earned at any time in a fiscal year must be paid no later than 74 days after the last day of such fiscal year.

6. Amendment and Termination

The Company reserves the right to amend or terminate the Incentive Plan at any time in its sole discretion.

**Date Approved:** December 5, 2019

## BLACK DIAMOND THERAPEUTICS, INC.

**[FORM OF] OFFICER INDEMNIFICATION AGREEMENT**

This Indemnification Agreement ("Agreement") is made as of [Date] by and between Black Diamond Therapeutics, Inc., a Delaware corporation (the "Company"), and [Officer Name] ("Indemnitee").<sup>1</sup>

## RECITALS

WHEREAS, the Company desires to attract and retain the services of highly qualified individuals, such as Indemnitee, to serve the Company;

WHEREAS, in order to induce Indemnitee to provide or continue to provide services to the Company, the Company wishes to provide for the indemnification of, and advancement of expenses to, Indemnitee to the maximum extent permitted by law;

WHEREAS, the Amended and Restated Certificate of Incorporation (as amended and in effect from time to time, the "Charter") and the Amended and Restated Bylaws (as amended and in effect from time to time, the "Bylaws") of the Company require indemnification of the officers and directors of the Company, and Indemnitee may also be entitled to indemnification pursuant to the General Corporation Law of the State of Delaware (the "DGCL");

WHEREAS, the Charter, the Bylaws and the DGCL expressly provide that the indemnification provisions set forth therein are not exclusive, and thereby contemplate that contracts may be entered into between the Company and members of the board of directors, officers and other persons with respect to indemnification;

WHEREAS, the Board of Directors of the Company (the "Board") has determined that the increased difficulty in attracting and retaining highly qualified persons such as Indemnitee is detrimental to the best interests of the Company's stockholders;

WHEREAS, it is reasonable and prudent for the Company contractually to obligate itself to indemnify, and to advance expenses on behalf of, such persons to the fullest extent permitted by applicable law, regardless of any amendment or revocation of the Charter or the Bylaws, so that they will serve or continue to serve the Company free from undue concern that they will not be so indemnified; and

WHEREAS, this Agreement is a supplement to and in furtherance of the indemnification provided in the Charter, the Bylaws and any resolutions adopted pursuant thereto, and shall not be deemed a substitute therefor, nor to diminish or abrogate any rights of Indemnitee thereunder.

NOW, THEREFORE, in consideration of the premises and the covenants contained herein, the Company and Indemnitee do hereby covenant and agree as follows:

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<sup>1</sup> NTD: To be entered into with all C-level officers and Section 16 officers.

Section 1. Services to the Company. Indemnitee agrees to [continue to] serve as [a director and] an officer of the Company. Indemnitee may at any time and for any reason resign from [any] such position (subject to any other contractual obligation or any obligation imposed by law), in which event the Company shall have no obligation under this Agreement to continue Indemnitee in such position. This Agreement shall not be deemed an employment contract between the Company (or any of its subsidiaries or any Enterprise) and Indemnitee.

Section 2. Definitions.

As used in this Agreement:

(a) “Change in Control” shall mean (i) the sale of all or substantially all of the assets of the Company on a consolidated basis to an unrelated person or entity, (ii) a merger, reorganization or consolidation pursuant to which the holders of the Company’s outstanding voting power and outstanding stock immediately prior to such transaction do not own a majority of the outstanding voting power and outstanding stock or other equity interests of the resulting or successor entity (or its ultimate parent, if applicable) immediately upon completion of such transaction, (iii) the sale of all of the Stock of the Company to an unrelated person, entity or group thereof acting in concert, or (iv) any other transaction in which the owners of the Company’s outstanding voting power immediately prior to such transaction do not own at least a majority of the outstanding voting power of the Company or any successor entity immediately upon completion of the transaction other than as a result of the acquisition of securities directly from the Company.

(b) “Corporate Status” describes the status of a person as a current or former [director or] officer of the Company or current or former director, manager, partner, officer, employee, agent or trustee of any other Enterprise which such person is or was serving at the request of the Company.

(c) “Enforcement Expenses” shall include all reasonable attorneys’ fees, court costs, transcript costs, fees of experts, travel expenses, duplicating costs, printing and binding costs, telephone charges, postage, delivery service fees, and all other out-of-pocket disbursements or expenses of the types customarily incurred in connection with an action to enforce indemnification or advancement rights, or an appeal from such action. Expenses, however, shall not include fees, salaries, wages or benefits owed to Indemnitee.

(d) “Enterprise” shall mean any corporation (other than the Company), partnership, joint venture, trust, employee benefit plan, limited liability company, or other legal entity of which Indemnitee is or was serving at the request of the Company as a director, manager, partner, officer, employee, agent or trustee.

(e) “Expenses” shall include all reasonable attorneys’ fees, court costs, transcript costs, fees of experts, travel expenses, duplicating costs, printing and binding costs, telephone charges, postage, delivery service fees, and all other out-of-pocket disbursements or expenses of the types customarily incurred in connection with prosecuting, defending, preparing to prosecute or defend, investigating, being or preparing to be a witness in, or otherwise participating in, a Proceeding or an appeal resulting from a Proceeding. Expenses, however, shall not include amounts paid in settlement by Indemnitee, the amount of judgments or fines against Indemnitee or fees, salaries, wages or benefits owed to Indemnitee.

(f) “Independent Counsel” means a law firm, or a partner (or, if applicable, member or shareholder) of such a law firm, that is experienced in matters of Delaware corporation law and neither presently is, nor in the past five (5) years has been, retained to represent: (i) the Company, any subsidiary of the Company, any Enterprise or Indemnitee in any matter material to any such party; or (ii) any other party to the Proceeding giving rise to a claim for indemnification hereunder. Notwithstanding the foregoing, the term “Independent Counsel” shall not include any person who, under the applicable standards of professional conduct then prevailing, would have a conflict of interest in representing either the Company or Indemnitee in an action to determine Indemnitee’s rights under this Agreement. The Company agrees to pay the reasonable fees and expenses of the Independent Counsel referred to above and to fully indemnify such counsel against any and all expenses, claims, liabilities and damages arising out of or relating to this Agreement or its engagement pursuant hereto.

(g) The term “Proceeding” shall include any threatened, pending or completed action, suit, arbitration, alternate dispute resolution mechanism, investigation, inquiry, administrative hearing or any other actual, threatened or completed proceeding, whether brought in the right of the Company or otherwise and whether of a civil, criminal, administrative, regulatory or investigative nature, and whether formal or informal, in which Indemnitee was, is or will be involved as a party or otherwise by reason of the fact that Indemnitee is or was [a director or] an officer of the Company or is or was serving at the request of the Company as a director, manager, partner, officer, employee, agent or trustee of any Enterprise or by reason of any action taken by Indemnitee or of any action taken on his or her part while acting as [a director or] an officer of the Company or while serving at the request of the Company as a director, manager, partner, officer, employee, agent or trustee of any Enterprise, in each case whether or not serving in such capacity at the time any liability or expense is incurred for which indemnification, reimbursement or advancement of expenses can be provided under this Agreement; provided, however, that the term “Proceeding” shall not include any action, suit or arbitration, or part thereof, initiated by Indemnitee to enforce Indemnitee’s rights under this Agreement as provided for in Section 12(a) of this Agreement.

Section 3. Indemnity in Third-Party Proceedings. The Company shall indemnify Indemnitee to the extent set forth in this Section 3 if Indemnitee is, or is threatened to be made, a party to or a participant in any Proceeding, other than a Proceeding by or in the right of the Company to procure a judgment in its favor. Pursuant to this Section 3, Indemnitee shall be indemnified against all Expenses, judgments, fines, penalties, excise taxes, and amounts paid in settlement actually and reasonably incurred by Indemnitee or on his or her behalf in connection with such Proceeding or any claim, issue or matter therein, if Indemnitee acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the best interests of the Company and, in the case of a criminal proceeding, had no reasonable cause to believe that his or her conduct was unlawful.

Section 4. Indemnity in Proceedings by or in the Right of the Company. The Company shall indemnify Indemnitee to the extent set forth in this Section 4 if Indemnitee is, or is threatened to be made, a party to or a participant in any Proceeding by or in the right of the Company to procure a judgment in its favor. Pursuant to this Section 4, Indemnitee shall be indemnified against all Expenses actually and reasonably incurred by Indemnitee or on his or her behalf in connection with such Proceeding or any claim, issue or matter therein, if Indemnitee acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the best interests of the Company. No indemnification for Expenses shall be made under this Section 4 in respect of any claim, issue or matter as to which Indemnitee shall have been finally adjudged by a court to be liable to the Company, unless and only to the extent that the Delaware Court of Chancery (the "Delaware Court") shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, Indemnitee is fairly and reasonably entitled to indemnification for such expenses as the Delaware Court shall deem proper.

Section 5. Indemnification for Expenses of a Party Who is Wholly or Partly Successful. Notwithstanding any other provisions of this Agreement and except as provided in Section 7, to the extent that Indemnitee is a party to or a participant in any Proceeding and is successful in such Proceeding or in defense of any claim, issue or matter therein, the Company shall indemnify Indemnitee against all Expenses actually and reasonably incurred by him or her in connection therewith. If Indemnitee is not wholly successful in such Proceeding but is successful as to one or more but less than all claims, issues or matters in such Proceeding, the Company shall indemnify Indemnitee against all Expenses actually and reasonably incurred by Indemnitee or on his or her behalf in connection with each successfully resolved claim, issue or matter. For purposes of this Section and without limitation, the termination of any claim, issue or matter in such a Proceeding by dismissal, with or without prejudice, shall be deemed to be a successful result as to such claim, issue or matter.

Section 6. Reimbursement for Expenses of a Witness or in Response to a Subpoena. Notwithstanding any other provision of this Agreement, to the extent that Indemnitee, by reason of his or her Corporate Status, (i) is a witness in any Proceeding to which Indemnitee is not a party and is not threatened to be made a party or (ii) receives a subpoena with respect to any Proceeding to which Indemnitee is not a party and is not threatened to be made a party, the Company shall reimburse Indemnitee for all Expenses actually and reasonably incurred by him or her or on his or her behalf in connection therewith.

Section 7. Exclusions. Notwithstanding any provision in this Agreement to the contrary, the Company shall not be obligated under this Agreement:

(a) to indemnify for amounts otherwise indemnifiable hereunder (or for which advancement is provided hereunder) if and to the extent that Indemnitee has otherwise actually received such amounts under any insurance policy, contract, agreement or otherwise;

(b) to indemnify for an accounting of profits made from the purchase and sale (or sale and purchase) by Indemnitee of securities of the Company within the meaning of Section 16(b) of the Securities Exchange Act of 1934, as amended, or similar provisions of state statutory law or common law, or from the purchase or sale by Indemnitee of such securities in violation of Section 306 of the Sarbanes-Oxley Act of 2002 ("SOX");

(c) to indemnify for any reimbursement of, or payment to, the Company by Indemnitee of any bonus or other incentive-based or equity-based compensation or of any profits realized by Indemnitee from the sale of securities of the Company pursuant to Section 304 of SOX or any formal policy of the Company adopted by the Board (or a committee thereof), or any other remuneration paid to Indemnitee if it shall be determined by a final judgment or other final adjudication that such remuneration was in violation of law;

(d) to indemnify with respect to any Proceeding, or part thereof, brought by Indemnitee against the Company, any legal entity which it controls, any director or officer thereof or any third party, unless (i) the Board has consented to the initiation of such Proceeding or part thereof and (ii) the Company provides the indemnification, in its sole discretion, pursuant to the powers vested in the Company under applicable law; provided, however, that this Section 7(d) shall not apply to (A) counterclaims or affirmative defenses asserted by Indemnitee in an action brought against Indemnitee or (B) any action brought by Indemnitee for indemnification or advancement from the Company under this Agreement or under any directors' and officers' liability insurance policies maintained by the Company in the suit for which indemnification or advancement is being sought as described in Section 12; or

(e) to provide any indemnification or advancement of expenses that is prohibited by applicable law (as such law exists at the time payment would otherwise be required pursuant to this Agreement).

Section 8. Advancement of Expenses. Subject to Section 9(b), the Company shall advance, to the extent not prohibited by law, the Expenses incurred by Indemnitee in connection with any Proceeding, and such advancement shall be made as incurred, and such advancement shall be made within thirty (30) days after the receipt by the Company of a statement or statements requesting such advances (including any invoices received by Indemnitee, which such invoices may be redacted as necessary to avoid the waiver of any privilege accorded by applicable law) from time to time, whether prior to or after final disposition of any Proceeding. Advances shall be unsecured and interest free. Advances shall be made without regard to Indemnitee's (i) ability to repay the expenses, (ii) ultimate entitlement to indemnification under the other provisions of this Agreement, and (iii) entitlement to and availability of insurance coverage, including advancement, payment or reimbursement of defense costs, expenses of covered loss under the provisions of any applicable insurance policy (including, without limitation, whether such advancement, payment or reimbursement is withheld, conditioned or delayed by the insurer(s)). Indemnitee shall qualify for advances upon the execution and delivery to the Company of this Agreement which shall constitute an undertaking providing that Indemnitee undertakes to the fullest extent required by law to repay the advance if and to the extent that it is ultimately determined by a court of competent jurisdiction in a final judgment, not subject to appeal, that Indemnitee is not entitled to be indemnified by the Company. The right to advances under this paragraph shall in all events continue until final disposition of any Proceeding, including any appeal therein. Nothing in this Section 8 shall limit Indemnitee's right to advancement pursuant to Section 12(e) of this Agreement.

Section 9. Procedure for Notification and Defense of Claim.

(a) To obtain indemnification under this Agreement, Indemnitee shall submit to the Company a written request therefor specifying the basis for the claim, the amounts for which Indemnitee is seeking payment under this Agreement, and all documentation related thereto as reasonably requested by the Company.

(b) In the event that the Company shall be obligated hereunder to provide indemnification for or make any advancement of Expenses with respect to any Proceeding, the Company shall be entitled to assume the defense of such Proceeding, or any claim, issue or matter therein, with counsel approved by Indemnitee (which approval shall not be unreasonably withheld or delayed) upon the delivery to Indemnitee of written notice of the Company's election to do so. After delivery of such notice, approval of such counsel by Indemnitee and the retention of such counsel by the Company, the Company will not be liable to Indemnitee under this Agreement for any fees or expenses of separate counsel subsequently employed by or on behalf of Indemnitee with respect to the same Proceeding; provided that (i) Indemnitee shall have the right to employ separate counsel in any such Proceeding at Indemnitee's expense and (ii) if (A) the employment of separate counsel by Indemnitee has been previously authorized by the Company, (B) Indemnitee shall have reasonably concluded that there may be a conflict of interest between the Company and Indemnitee in the conduct of such defense, or (C) the Company shall not continue to retain such counsel to defend such Proceeding, then the fees and expenses actually and reasonably incurred by Indemnitee with respect to his or her separate counsel shall be Expenses hereunder.

(c) In the event that the Company does not assume the defense in a Proceeding pursuant to paragraph (b) above, then the Company will be entitled to participate in the Proceeding at its own expense.

(d) The Company shall not be liable to indemnify Indemnitee under this Agreement for any amounts paid in settlement of any Proceeding effected without its prior written consent (which consent shall not be unreasonably withheld or delayed). The Company shall not, without the prior written consent of Indemnitee (which consent shall not be unreasonably withheld or delayed), enter into any settlement which (i) includes an admission of fault of Indemnitee, any non-monetary remedy imposed on Indemnitee or any monetary damages for which Indemnitee is not wholly and actually indemnified hereunder or (ii) with respect to any Proceeding with respect to which Indemnitee may be or is made a party or may be otherwise entitled to seek indemnification hereunder, does not include the full release of Indemnitee from all liability in respect of such Proceeding.

Section 10. Procedure Upon Application for Indemnification.<sup>2</sup>

(a) Upon written request by Indemnitee for indemnification pursuant to Section 9(a), a determination, if such determination is required by applicable law, with respect to Indemnitee's entitlement to indemnification hereunder shall be made in the specific case by one of the following methods: [(x) if a Change in Control shall have occurred and indemnification is

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<sup>2</sup> NTD: Bracketed portions for CEO Director version only



being requested by Indemnitee hereunder in his or her capacity as a director of the Company, by Independent Counsel in a written opinion to the Board; or (y) in any other case,] (i) by a majority vote of the disinterested directors, even though less than a quorum; (ii) by a committee of disinterested directors designated by a majority vote of the disinterested directors, even though less than a quorum; or (iii) if there are no disinterested directors or if the disinterested directors so direct, by Independent Counsel in a written opinion to the Board. For purposes hereof, disinterested directors are those members of the Board who are not parties to the action, suit or proceeding in respect of which indemnification is sought. In the case that such determination is made by Independent Counsel, a copy of Independent Counsel's written opinion shall be delivered to Indemnitee and, if it is so determined that Indemnitee is entitled to indemnification, payment to Indemnitee shall be made within thirty (30) days after such determination. Indemnitee shall cooperate with the Independent Counsel or the Company, as applicable, in making such determination with respect to Indemnitee's entitlement to indemnification, including providing to such counsel or the Company, upon reasonable advance request, any documentation or information which is not privileged or otherwise protected from disclosure and which is reasonably available to Indemnitee and reasonably necessary to such determination. Any out-of-pocket costs or expenses (including reasonable attorneys' fees and disbursements) actually and reasonably incurred by Indemnitee in so cooperating with the Independent Counsel or the Company shall be borne by the Company (irrespective of the determination as to Indemnitee's entitlement to indemnification) and the Company hereby indemnifies and agrees to hold Indemnitee harmless therefrom.

(b) If the determination of entitlement to indemnification is to be made by Independent Counsel pursuant to Section 10(a), the Independent Counsel shall be selected by the Board[; provided that, if a Change in Control shall have occurred and indemnification is being requested by Indemnitee hereunder in his or her capacity as a director of the Company, the Independent Counsel shall be selected by Indemnitee]. Indemnitee [or the Company, as the case may be,] may, within ten (10) days after written notice of such selection, deliver to the Company [or Indemnitee, as the case may be,] a written objection to such selection; provided, however, that such objection may be asserted only on the ground that the Independent Counsel so selected does not meet the requirements of "Independent Counsel" as defined in Section 2 of this Agreement, and the objection shall set forth with particularity the factual basis of such assertion. Absent a proper and timely objection, the person so selected shall act as Independent Counsel. If such written objection is so made and substantiated, the Independent Counsel so selected may not serve as Independent Counsel unless and until such objection is withdrawn or the Delaware Court has determined that such objection is without merit. If, within twenty (20) days after the later of (i) submission by Indemnitee of a written request for indemnification pursuant to Section 9(a), and (ii) the final disposition of the Proceeding, including any appeal therein, no Independent Counsel shall have been selected without objection, either Indemnitee or the Company may petition the Delaware Court for resolution of any objection which shall have been made by Indemnitee or the Company to the selection of Independent Counsel and/or for the appointment as Independent Counsel of a person selected by the court or by such other person as the court shall designate. The person with respect to whom all objections are so resolved or the person so appointed shall act as Independent Counsel under Section 10(a) hereof. Upon the due commencement of any judicial proceeding or arbitration pursuant to Section 12(a) of this Agreement, Independent Counsel shall be discharged and relieved of any further responsibility in such capacity (subject to the applicable standards of professional conduct then prevailing).

#### Section 11. Presumptions and Effect of Certain Proceedings.

(a) To the extent permitted by applicable law, in making a determination with respect to entitlement to indemnification hereunder, it shall be presumed that Indemnatee is entitled to indemnification under this Agreement if Indemnatee has submitted a request for indemnification in accordance with Section 9(a) of this Agreement, and the Company shall have the burden of proof to overcome that presumption in connection with the making of any determination contrary to that presumption. Neither (i) the failure of the Company or of Independent Counsel to have made a determination prior to the commencement of any action pursuant to this Agreement that indemnification is proper in the circumstances because Indemnatee has met the applicable standard of conduct, nor (ii) an actual determination by the Company or by Independent Counsel that Indemnatee has not met such applicable standard of conduct, shall be a defense to the action or create a presumption that Indemnatee has not met the applicable standard of conduct.

(b) The termination of any Proceeding or of any claim, issue or matter therein, by judgment, order, settlement or conviction, or upon a plea of guilty, nolo contendere or its equivalent, shall not (except as otherwise expressly provided in this Agreement) of itself adversely affect the right of Indemnatee to indemnification or create a presumption that Indemnatee did not act in good faith and in a manner which he or she reasonably believed to be in or not opposed to the best interests of the Company or, with respect to any criminal Proceeding, that Indemnatee had reasonable cause to believe that his or her conduct was unlawful.

(c) The knowledge and/or actions, or failure to act, of any director, manager, partner, officer, employee, agent or trustee of the Company, any subsidiary of the Company, or any Enterprise shall not be imputed to Indemnatee for purposes of determining the right to indemnification under this Agreement.

#### Section 12. Remedies of Indemnatee.

(a) Subject to Section 12(f), in the event that (i) a determination is made pursuant to Section 10 of this Agreement that Indemnatee is not entitled to indemnification under this Agreement, (ii) advancement of Expenses is not timely made pursuant to Section 8 of this Agreement, (iii) no determination of entitlement to indemnification shall have been made pursuant to Section 10(a) of this Agreement within sixty (60) days after receipt by the Company of the request for indemnification for which a determination is to be made other than by Independent Counsel, (iv) payment of indemnification or reimbursement of expenses is not made pursuant to Section 5 or 6 or the last sentence of Section 10(a) of this Agreement within thirty (30) days after receipt by the Company of a written request therefor (including any invoices received by Indemnatee, which such invoices may be redacted as necessary to avoid the waiver of any privilege accorded by applicable law) or (v) payment of indemnification pursuant to Section 3 or 4 of this Agreement is not made within thirty (30) days after a determination has been made that Indemnatee is entitled to indemnification, Indemnatee shall be entitled to an adjudication by the Delaware Court of his or her entitlement to such indemnification or advancement. Alternatively, Indemnatee, at his or her option, may seek an award in arbitration to

be conducted by a single arbitrator pursuant to the Commercial Arbitration Rules of the American Arbitration Association. Indemnitee shall commence such proceeding seeking an adjudication or an award in arbitration within 180 days following the date on which Indemnitee first has the right to commence such proceeding pursuant to this Section 12(a); provided, however, that the foregoing time limitation shall not apply in respect of a proceeding brought by Indemnitee to enforce his or her rights under Section 5 of this Agreement. The Company shall not oppose Indemnitee's right to seek any such adjudication or award in arbitration.

(b) In the event that a determination shall have been made pursuant to Section 10(a) of this Agreement that Indemnitee is not entitled to indemnification, any judicial proceeding or arbitration commenced pursuant to this Section 12 shall be conducted in all respects as a de novo trial, or arbitration, on the merits and Indemnitee shall not be prejudiced by reason of that adverse determination. In any judicial proceeding or arbitration commenced pursuant to this Section 12, the Company shall have the burden of proving Indemnitee is not entitled to indemnification or advancement, as the case may be.

(c) If a determination shall have been made pursuant to Section 10(a) of this Agreement that Indemnitee is entitled to indemnification, the Company shall be bound by such determination in any judicial proceeding or arbitration commenced pursuant to this Section 12, absent (i) a misstatement by Indemnitee of a material fact, or an omission of a material fact necessary to make Indemnitee's statement not materially misleading, in connection with the request for indemnification, or (ii) a prohibition of such indemnification under applicable law.

(d) The Company shall be precluded from asserting in any judicial proceeding or arbitration commenced pursuant to this Section 12 that the procedures and presumptions of this Agreement are not valid, binding and enforceable and shall stipulate in any such court or before any such arbitrator that the Company is bound by all the provisions of this Agreement.

(e) The Company shall indemnify Indemnitee to the fullest extent permitted by law against any and all Enforcement Expenses and, if requested by Indemnitee, shall (within thirty (30) days after receipt by the Company of a written request therefor) advance, to the extent not prohibited by law, such Enforcement Expenses to Indemnitee, which are incurred by Indemnitee in connection with any action brought by Indemnitee for indemnification or advancement from the Company under this Agreement or under any directors' and officers' liability insurance policies maintained by the Company in the suit for which indemnification or advancement is being sought. Such written request for advancement shall include invoices received by Indemnitee in connection with such Enforcement Expenses but, in the case of invoices in connection with legal services, any references to legal work performed or to expenditures made that would cause Indemnitee to waive any privilege accorded by applicable law need not be included with the invoice.

(f) Notwithstanding anything in this Agreement to the contrary, no determination as to entitlement to indemnification under this Agreement shall be required to be made prior to the final disposition of the Proceeding, including any appeal therein.

Section 13. Non-exclusivity; Survival of Rights; Insurance; Subrogation.

(a) The rights of indemnification and to receive advancement as provided by this Agreement shall not be deemed exclusive of any other rights to which Indemnitee may at any time be entitled under applicable law, the Charter, the Bylaws, any agreement, a vote of stockholders or a resolution of directors, or otherwise. No amendment, alteration or repeal of this Agreement or of any provision hereof shall limit or restrict any right of Indemnitee under this Agreement in respect of any action taken or omitted by such Indemnitee in his or her Corporate Status prior to such amendment, alteration or repeal. To the extent that a change in Delaware law, whether by statute or judicial decision, permits greater indemnification or advancement than would be afforded currently under the Charter, Bylaws and this Agreement, it is the intent of the parties hereto that Indemnitee shall enjoy by this Agreement the greater benefits so afforded by such change. No right or remedy herein conferred is intended to be exclusive of any other right or remedy, and every other right and remedy shall be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other right or remedy.

(b) To the extent that the Company maintains an insurance policy or policies providing liability insurance for directors, managers, partners, officers, employees, agents or trustees of the Company or of any other Enterprise, Indemnitee shall be covered by such policy or policies in accordance with its or their terms to the maximum extent of the coverage available for any such director, manager, partner, officer, employee, agent or trustee under such policy or policies. If, at the time of the receipt of a notice of a claim pursuant to the terms hereof, the Company has director and officer liability insurance in effect, the Company shall give prompt notice of the commencement of such proceeding to the insurers in accordance with the procedures set forth in the respective policies. The Company shall thereafter take all necessary or desirable action to cause such insurers to pay, on behalf of Indemnitee, all amounts payable as a result of such proceeding in accordance with the terms of such policies.

(c) In the event of any payment under this Agreement, the Company shall be subrogated to the extent of such payment to all of the rights of recovery of Indemnitee, who shall execute all papers required and take all action necessary to secure such rights, including execution of such documents as are necessary to enable the Company to bring suit to enforce such rights.

(d) The Company's obligation to provide indemnification or advancement hereunder to Indemnitee who is or was serving at the request of the Company as a director, manager, partner, officer, employee, agent or trustee of any other Enterprise shall be reduced by any amount Indemnitee has actually received as indemnification or advancement from such other Enterprise.

Section 14. Duration of Agreement. This Agreement shall continue until and terminate upon the later of: (a) ten (10) years after the date that Indemnitee shall have ceased to serve as [both a director and] an officer of the Company or (b) one (1) year after the final termination of any Proceeding, including any appeal, then pending in respect of which Indemnitee is granted rights of indemnification or advancement hereunder and of any proceeding commenced by Indemnitee pursuant to Section 12 of this Agreement relating thereto. This

Agreement shall be binding upon the Company and its successors and assigns and shall inure to the benefit of Indemnitee and his or her heirs, executors and administrators. The Company shall require and cause any successor (whether direct or indirect by purchase, merger, consolidation or otherwise) to all, substantially all or a substantial part, of the business and/or assets of the Company, by written agreement in form and substance satisfactory to Indemnitee, expressly to assume and agree to perform this Agreement in the same manner and to the same extent that the Company would be required to perform if no such succession had taken place.

Section 15. Severability. If any provision or provisions of this Agreement shall be held to be invalid, illegal or unenforceable for any reason whatsoever: (a) the validity, legality and enforceability of the remaining provisions of this Agreement (including, without limitation, each portion of any section of this Agreement containing any such provision held to be invalid, illegal or unenforceable, that is not itself invalid, illegal or unenforceable) shall not in any way be affected or impaired thereby and shall remain enforceable to the fullest extent permitted by law; (b) such provision or provisions shall be deemed reformed to the extent necessary to conform to applicable law and to give the maximum effect to the intent of the parties hereto; and (c) to the fullest extent possible, the provisions of this Agreement (including, without limitation, each portion of any section of this Agreement containing any such provision held to be invalid, illegal or unenforceable, that is not itself invalid, illegal or unenforceable) shall be construed so as to give effect to the intent manifested thereby.

Section 16. Enforcement.

(a) The Company expressly confirms and agrees that it has entered into this Agreement and assumed the obligations imposed on it hereby in order to induce Indemnitee to serve or continue to serve as [a director and] an officer of the Company, and the Company acknowledges that Indemnitee is relying upon this Agreement in serving as [a director and] an officer of the Company.

(b) This Agreement constitutes the entire agreement between the parties hereto with respect to the subject matter hereof and supersedes all prior agreements and understandings, oral, written and implied, between the parties hereto with respect to the subject matter hereof; provided, however, that this Agreement is a supplement to and in furtherance of the Charter, the Bylaws and applicable law, and shall not be deemed a substitute therefor, nor to diminish or abrogate any rights of Indemnitee thereunder.

Section 17. Modification and Waiver. No supplement, modification or amendment, or waiver of any provision, of this Agreement shall be binding unless executed in writing by the parties thereto. No waiver of any of the provisions of this Agreement shall be deemed or shall constitute a waiver of any other provisions of this Agreement nor shall any waiver constitute a continuing waiver. No supplement, modification or amendment of this Agreement or of any provision hereof shall limit or restrict any right of Indemnitee under this Agreement in respect of any action taken or omitted by such Indemnitee prior to such supplement, modification or amendment.

Section 18. Notice by Indemnitee. Indemnitee agrees promptly to notify the Company in writing upon being served with any summons, citation, subpoena, complaint, indictment, information or other document relating to any Proceeding or matter which may be subject to indemnification, reimbursement or advancement as provided hereunder. The failure of Indemnitee to so notify the Company shall not relieve the Company of any obligation which it may have to Indemnitee under this Agreement or otherwise.

Section 19. Notices. All notices, requests, demands and other communications under this Agreement shall be in writing and shall be deemed to have been duly given if (i) delivered by hand and receipted for by the party to whom said notice or other communication shall have been directed, (ii) mailed by certified or registered mail with postage prepaid, on the third business day after the date on which it is so mailed, (iii) mailed by reputable overnight courier and receipted for by the party to whom said notice or other communication shall have been directed or (iv) sent by facsimile transmission, with receipt of oral confirmation that such transmission has been received:

(a) If to Indemnitee, at such address as Indemnitee shall provide to the Company.

(b) If to the Company to:

Black Diamond Therapeutics, Inc.  
139 Main Street, Suite 301  
Cambridge, MA 02142  
Attention: General Counsel

or to any other address as may have been furnished to Indemnitee by the Company.

Section 20. Contribution. To the fullest extent permissible under applicable law, if the indemnification provided for in this Agreement is unavailable to Indemnitee for any reason whatsoever, the Company, in lieu of indemnifying Indemnitee, shall contribute to the amount incurred by Indemnitee, whether for judgments, fines, penalties, excise taxes, amounts paid or to be paid in settlement and/or for Expenses, in connection with any Proceeding in such proportion as is deemed fair and reasonable in light of all of the circumstances in order to reflect (i) the relative benefits received by the Company and Indemnitee in connection with the event(s) and/or transaction(s) giving rise to such Proceeding; and/or (ii) the relative fault of the Company (and its directors, officers, employees and agents) and Indemnitee in connection with such event(s) and/or transactions.

Section 21. Internal Revenue Code Section 409A. The Company intends for this Agreement to comply with the Indemnification exception under Section 1.409A-1(b)(10) of the regulations promulgated under the Internal Revenue Code of 1986, as amended (the "Code"), which provides that indemnification of, or the purchase of an insurance policy providing for payments of, all or part of the expenses incurred or damages paid or payable by Indemnitee with respect to a bona fide claim against Indemnitee or the Company do not provide for a deferral of compensation, subject to Section 409A of the Code, where such claim is based on actions or failures to act by Indemnitee in his or her capacity as a service provider of the Company. The parties intend that this Agreement be interpreted and construed with such intent.

Section 22. Applicable Law and Consent to Jurisdiction. This Agreement and the legal relations among the parties shall be governed by, and construed and enforced in accordance with, the laws of the State of Delaware, without regard to its conflict of laws rules. Except with respect to any arbitration commenced by Indemnitee pursuant to Section 12(a) of this Agreement, the Company and Indemnitee hereby irrevocably and unconditionally (i) agree that any action or proceeding arising out of or in connection with this Agreement shall be brought only in the Delaware Court, and not in any other state or federal court in the United States of America or any court in any other country, (ii) consent to submit to the exclusive jurisdiction of the Delaware Court for purposes of any action or proceeding arising out of or in connection with this Agreement, (iii) consent to service of process at the address set forth in Section 19 of this Agreement with the same legal force and validity as if served upon such party personally within the State of Delaware, (iv) waive any objection to the laying of venue of any such action or proceeding in the Delaware Court, and (v) waive, and agree not to plead or to make, any claim that any such action or proceeding brought in the Delaware Court has been brought in an improper or inconvenient forum.

Section 23. Headings. The headings of the paragraphs of this Agreement are inserted for convenience only and shall not be deemed to constitute part of this Agreement or to affect the construction thereof.

Section 24. Identical Counterparts. This Agreement may be executed in one or more counterparts, each of which shall for all purposes be deemed to be an original but all of which together shall constitute one and the same Agreement. Only one such counterpart signed by the party against whom enforceability is sought needs to be produced to evidence the existence of this Agreement.

[Remainder of Page Intentionally Left Blank]

IN WITNESS WHEREOF, the parties have caused this Agreement to be signed as of the day and year first above written.

BLACK DIAMOND THERAPEUTICS, INC.

By: \_\_\_\_\_  
Name:  
Title:

\_\_\_\_\_  
[Name of Indemnitee]



## BLACK DIAMOND THERAPEUTICS, INC.

**[FORM OF] DIRECTOR INDEMNIFICATION AGREEMENT**

This Indemnification Agreement ("Agreement") is made as of [Date] by and between Black Diamond Therapeutics, Inc., a Delaware corporation (the "Company"), and [Director Name] ("Indemnitee").

## RECITALS

WHEREAS, the Company desires to attract and retain the services of highly qualified individuals, such as Indemnitee, to serve the Company;

WHEREAS, in order to induce Indemnitee to provide or continue to provide services to the Company, the Company wishes to provide for the indemnification of, and advancement of expenses to, Indemnitee to the maximum extent permitted by law;

WHEREAS, the Amended and Restated Certificate of Incorporation (as amended and in effect from time to time, the "Charter") and the Amended and Restated Bylaws (as amended and in effect from time to time, the "Bylaws") of the Company require indemnification of the officers and directors of the Company, and Indemnitee may also be entitled to indemnification pursuant to the General Corporation Law of the State of Delaware (the "DGCL");

WHEREAS, the Charter, the Bylaws and the DGCL expressly provide that the indemnification provisions set forth therein are not exclusive, and thereby contemplate that contracts may be entered into between the Company and members of the board of directors, officers and other persons with respect to indemnification;

WHEREAS, the Board of Directors of the Company (the "Board") has determined that the increased difficulty in attracting and retaining highly qualified persons such as Indemnitee is detrimental to the best interests of the Company's stockholders;

WHEREAS, it is reasonable and prudent for the Company contractually to obligate itself to indemnify, and to advance expenses on behalf of, such persons to the fullest extent permitted by applicable law, regardless of any amendment or revocation of the Charter or the Bylaws, so that they will serve or continue to serve the Company free from undue concern that they will not be so indemnified;

WHEREAS, this Agreement is a supplement to and in furtherance of the indemnification provided in the Charter, the Bylaws and any resolutions adopted pursuant thereto, and shall not be deemed a substitute therefor, nor to diminish or abrogate any rights of Indemnitee thereunder; and

[WHEREAS, Indemnitee has certain rights to indemnification and/or insurance provided by [ ] (" [ ]") which Indemnitee and [ ] intend to be secondary to the primary obligation of the Company to indemnify Indemnitee as provided in this Agreement, with the Company's acknowledgment and agreement to the foregoing being a material condition to Indemnitee's willingness to serve or continue to serve on the Board.]

NOW, THEREFORE, in consideration of the premises and the covenants contained herein, the Company and Indemnitee do hereby covenant and agree as follows:

Section 1. Services to the Company. Indemnitee agrees to [continue to] serve as a director of the Company. Indemnitee may at any time and for any reason resign from such position (subject to any other contractual obligation or any obligation imposed by law), in which event the Company shall have no obligation under this Agreement to continue Indemnitee in such position. This Agreement shall not be deemed an employment contract between the Company (or any of its subsidiaries or any Enterprise) and Indemnitee.

Section 2. Definitions.

As used in this Agreement:

(a) "Change in Control" shall mean (i) the sale of all or substantially all of the assets of the Company on a consolidated basis to an unrelated person or entity, (ii) a merger, reorganization or consolidation pursuant to which the holders of the Company's outstanding voting power and outstanding stock immediately prior to such transaction do not own a majority of the outstanding voting power and outstanding stock or other equity interests of the resulting or successor entity (or its ultimate parent, if applicable) immediately upon completion of such transaction, (iii) the sale of all of the Stock of the Company to an unrelated person, entity or group thereof acting in concert, or (iv) any other transaction in which the owners of the Company's outstanding voting power immediately prior to such transaction do not own at least a majority of the outstanding voting power of the Company or any successor entity immediately upon completion of the transaction other than as a result of the acquisition of securities directly from the Company.

(b) "Corporate Status" describes the status of a person as a current or former director of the Company or current or former director, manager, partner, officer, employee, agent or trustee of any other Enterprise which such person is or was serving at the request of the Company.

(c) "Enforcement Expenses" shall include all reasonable attorneys' fees, court costs, transcript costs, fees of experts, travel expenses, duplicating costs, printing and binding costs, telephone charges, postage, delivery service fees, and all other out-of-pocket disbursements or expenses of the types customarily incurred in connection with an action to enforce indemnification or advancement rights, or an appeal from such action. Expenses, however, shall not include fees, salaries, wages or benefits owed to Indemnitee.

(d) "Enterprise" shall mean any corporation (other than the Company), partnership, joint venture, trust, employee benefit plan, limited liability company, or other legal entity of which Indemnitee is or was serving at the request of the Company as a director, manager, partner, officer, employee, agent or trustee.

(e) "Expenses" shall include all reasonable attorneys' fees, court costs, transcript costs, fees of experts, travel expenses, duplicating costs, printing and binding costs, telephone charges, postage, delivery service fees, and all other out-of-pocket disbursements or expenses of the types customarily incurred in connection with prosecuting, defending, preparing to prosecute or defend, investigating, being or preparing to be a witness in, or otherwise participating in, a Proceeding or an appeal resulting from a Proceeding. Expenses, however, shall not include amounts paid in settlement by Indemnitee, the amount of judgments or fines against Indemnitee or fees, salaries, wages or benefits owed to Indemnitee.

(f) "Independent Counsel" means a law firm, or a partner (or, if applicable, member or shareholder) of such a law firm, that is experienced in matters of Delaware corporation law and neither presently is, nor in the past five (5) years has been, retained to represent: (i) the Company, any subsidiary of the Company, any Enterprise or Indemnitee in any matter material to any such party; or (ii) any other party to the Proceeding giving rise to a claim for indemnification hereunder. Notwithstanding the foregoing, the term "Independent Counsel" shall not include any person who, under the applicable standards of professional conduct then prevailing, would have a conflict of interest in representing either the Company or Indemnitee in an action to determine Indemnitee's rights under this Agreement. The Company agrees to pay the reasonable fees and expenses of the Independent Counsel referred to above and to fully indemnify such counsel against any and all expenses, claims, liabilities and damages arising out of or relating to this Agreement or its engagement pursuant hereto.

(g) The term "Proceeding" shall include any threatened, pending or completed action, suit, arbitration, alternate dispute resolution mechanism, investigation, inquiry, administrative hearing or any other actual, threatened or completed proceeding, whether brought in the right of the Company or otherwise and whether of a civil, criminal, administrative, regulatory or investigative nature, and whether formal or informal, in which Indemnitee was, is or will be involved as a party or otherwise by reason of the fact that Indemnitee is or was a director of the Company or is or was serving at the request of the Company as a director, manager, partner, officer, employee, agent or trustee of any Enterprise or by reason of any action taken by Indemnitee or of any action taken on his or her part while acting as a director of the Company or while serving at the request of the Company as a director, manager, partner, officer, employee, agent or trustee of any Enterprise, in each case whether or not serving in such capacity at the time any liability or expense is incurred for which indemnification, reimbursement or advancement of expenses can be provided under this Agreement; provided, however, that the term "Proceeding" shall not include any action, suit or arbitration, or part thereof, initiated by Indemnitee to enforce Indemnitee's rights under this Agreement as provided for in Section 12(a) of this Agreement.

Section 3. Indemnity in Third-Party Proceedings. The Company shall indemnify Indemnitee to the extent set forth in this Section 3 if Indemnitee is, or is threatened to be made, a party to or a participant in any Proceeding, other than a Proceeding by or in the right of the Company to procure a judgment in its favor. Pursuant to this Section 3, Indemnitee shall be indemnified against all Expenses, judgments, fines, penalties, excise taxes, and amounts paid in settlement actually and reasonably incurred by Indemnitee or on his or her behalf in connection

with such Proceeding or any claim, issue or matter therein, if Indemnitee acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the best interests of the Company and, in the case of a criminal proceeding, had no reasonable cause to believe that his or her conduct was unlawful.

Section 4. Indemnity in Proceedings by or in the Right of the Company. The Company shall indemnify Indemnitee to the extent set forth in this Section 4 if Indemnitee is, or is threatened to be made, a party to or a participant in any Proceeding by or in the right of the Company to procure a judgment in its favor. Pursuant to this Section 4, Indemnitee shall be indemnified against all Expenses actually and reasonably incurred by Indemnitee or on his or her behalf in connection with such Proceeding or any claim, issue or matter therein, if Indemnitee acted in good faith and in a manner he or she reasonably believed to be in or not opposed to the best interests of the Company. No indemnification for Expenses shall be made under this Section 4 in respect of any claim, issue or matter as to which Indemnitee shall have been finally adjudged by a court to be liable to the Company, unless and only to the extent that the Delaware Court of Chancery (the "Delaware Court") shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, Indemnitee is fairly and reasonably entitled to indemnification for such expenses as the Delaware Court shall deem proper.

Section 5. Indemnification for Expenses of a Party Who is Wholly or Partly Successful. Notwithstanding any other provisions of this Agreement and except as provided in Section 7, to the extent that Indemnitee is a party to or a participant in any Proceeding and is successful in such Proceeding or in defense of any claim, issue or matter therein, the Company shall indemnify Indemnitee against all Expenses actually and reasonably incurred by him or her in connection therewith. If Indemnitee is not wholly successful in such Proceeding but is successful as to one or more but less than all claims, issues or matters in such Proceeding, the Company shall indemnify Indemnitee against all Expenses actually and reasonably incurred by Indemnitee or on his or her behalf in connection with each successfully resolved claim, issue or matter. For purposes of this Section and without limitation, the termination of any claim, issue or matter in such a Proceeding by dismissal, with or without prejudice, shall be deemed to be a successful result as to such claim, issue or matter.

Section 6. Reimbursement for Expenses of a Witness or in Response to a Subpoena. Notwithstanding any other provision of this Agreement, to the extent that Indemnitee, by reason of his or her Corporate Status, (i) is a witness in any Proceeding to which Indemnitee is not a party and is not threatened to be made a party or (ii) receives a subpoena with respect to any Proceeding to which Indemnitee is not a party and is not threatened to be made a party, the Company shall reimburse Indemnitee for all Expenses actually and reasonably incurred by him or her or on his or her behalf in connection therewith.

Section 7. Exclusions. Notwithstanding any provision in this Agreement to the contrary, the Company shall not be obligated under this Agreement:

(a) to indemnify for amounts otherwise indemnifiable hereunder (or for which advancement is provided hereunder) if and to the extent that Indemnitee has otherwise actually received such amounts under any insurance policy, contract, agreement or otherwise; provided that the foregoing shall not affect the rights of Indemnitee or the Secondary Indemnitors as set forth in Section 13(c);

(b) to indemnify for an accounting of profits made from the purchase and sale (or sale and purchase) by Indemnitee of securities of the Company within the meaning of Section 16(b) of the Securities Exchange Act of 1934, as amended, or similar provisions of state statutory law or common law, or from the purchase or sale by Indemnitee of such securities in violation of Section 306 of the Sarbanes Oxley Act of 2002 ("SOX");

(c) to indemnify with respect to any Proceeding, or part thereof, brought by Indemnitee against the Company, any legal entity which it controls, any director or officer thereof or any third party, unless (i) the Board has consented to the initiation of such Proceeding or part thereof and (ii) the Company provides the indemnification, in its sole discretion, pursuant to the powers vested in the Company under applicable law; provided, however, that this Section 7(c) shall not apply to (A) counterclaims or affirmative defenses asserted by Indemnitee in an action brought against Indemnitee or (B) any action brought by Indemnitee for indemnification or advancement from the Company under this Agreement or under any directors' and officers' liability insurance policies maintained by the Company in the suit for which indemnification or advancement is being sought as described in Section 12; or

(d) to provide any indemnification or advancement of expenses that is prohibited by applicable law (as such law exists at the time payment would otherwise be required pursuant to this Agreement).

Section 8. Advancement of Expenses. Subject to Section 9(b), the Company shall advance, to the extent not prohibited by law, the Expenses incurred by Indemnitee in connection with any Proceeding, and such advancement shall be made as incurred, and such advancement shall be made within thirty (30) days after the receipt by the Company of a statement or statements requesting such advances (including any invoices received by Indemnitee, which such invoices may be redacted as necessary to avoid the waiver of any privilege accorded by applicable law) from time to time, whether prior to or after final disposition of any Proceeding. Advances shall be unsecured and interest free. Advances shall be made without regard to Indemnitee's (i) ability to repay the expenses, (ii) ultimate entitlement to indemnification under the other provisions of this Agreement, and (iii) entitlement to and availability of insurance coverage, including advancement, payment or reimbursement of defense costs, expenses of covered loss under the provisions of any applicable insurance policy (including, without limitation, whether such advancement, payment or reimbursement is withheld, conditioned or delayed by the insurer(s)). Indemnitee shall qualify for advances upon the execution and delivery to the Company of this Agreement which shall constitute an undertaking providing that Indemnitee undertakes to the fullest extent required by law to repay the advance if and to the extent that it is ultimately determined by a court of competent jurisdiction in a final judgment, not subject to appeal, that Indemnitee is not entitled to be indemnified by the Company. The right to advances under this paragraph shall in all events continue until final disposition of any Proceeding, including any appeal therein. Nothing in this Section 8 shall limit Indemnitee's right to advancement pursuant to Section 12(e) of this Agreement.

Section 9. Procedure for Notification and Defense of Claim.

(a) To obtain indemnification under this Agreement, Indemnitee shall submit to the Company a written request therefor specifying the basis for the claim, the amounts for which Indemnitee is seeking payment under this Agreement, and all documentation related thereto as reasonably requested by the Company.

(b) In the event that the Company shall be obligated hereunder to provide indemnification for or make any advancement of Expenses with respect to any Proceeding, the Company shall be entitled to assume the defense of such Proceeding, or any claim, issue or matter therein, with counsel approved by Indemnitee (which approval shall not be unreasonably withheld or delayed) upon the delivery to Indemnitee of written notice of the Company's election to do so. After delivery of such notice, approval of such counsel by Indemnitee and the retention of such counsel by the Company, the Company will not be liable to Indemnitee under this Agreement for any fees or expenses of separate counsel subsequently employed by or on behalf of Indemnitee with respect to the same Proceeding; provided that (i) Indemnitee shall have the right to employ separate counsel in any such Proceeding at Indemnitee's expense and (ii) if (A) the employment of separate counsel by Indemnitee has been previously authorized by the Company, (B) Indemnitee shall have reasonably concluded that there may be a conflict of interest between the Company and Indemnitee in the conduct of such defense, or (C) the Company shall not continue to retain such counsel to defend such Proceeding, then the fees and expenses actually and reasonably incurred by Indemnitee with respect to his or her separate counsel shall be Expenses hereunder.

(c) In the event that the Company does not assume the defense in a Proceeding pursuant to paragraph (b) above, then the Company will be entitled to participate in the Proceeding at its own expense.

(d) The Company shall not be liable to indemnify Indemnitee under this Agreement for any amounts paid in settlement of any Proceeding effected without its prior written consent (which consent shall not be unreasonably withheld or delayed). The Company shall not, without the prior written consent of Indemnitee (which consent shall not be unreasonably withheld or delayed), enter into any settlement which (i) includes an admission of fault of Indemnitee, any non-monetary remedy imposed on Indemnitee or any monetary damages for which Indemnitee is not wholly and actually indemnified hereunder or (ii) with respect to any Proceeding with respect to which Indemnitee may be or is made a party or may be otherwise entitled to seek indemnification hereunder, does not include the full release of Indemnitee from all liability in respect of such Proceeding.

Section 10. Procedure Upon Application for Indemnification.

(a) Upon written request by Indemnitee for indemnification pursuant to Section 9(a), a determination, if such determination is required by applicable law, with respect to Indemnitee's entitlement to indemnification hereunder shall be made in the specific case by one of the following methods: (x) if a Change in Control shall have occurred, by Independent Counsel in a written opinion to the Board; or (y) if a Change in Control shall not have occurred: (i) by a majority vote of the disinterested directors, even though less than a quorum; (ii) by a

committee of disinterested directors designated by a majority vote of the disinterested directors, even though less than a quorum; or (iii) if there are no disinterested directors or if the disinterested directors so direct, by Independent Counsel in a written opinion to the Board. For purposes hereof, disinterested directors are those members of the Board who are not parties to the action, suit or proceeding in respect of which indemnification is sought. In the case that such determination is made by Independent Counsel, a copy of Independent Counsel's written opinion shall be delivered to Indemnitee and, if it is so determined that Indemnitee is entitled to indemnification, payment to Indemnitee shall be made within thirty (30) days after such determination. Indemnitee shall cooperate with the Independent Counsel or the Company, as applicable, in making such determination with respect to Indemnitee's entitlement to indemnification, including providing to such counsel or the Company, upon reasonable advance request, any documentation or information which is not privileged or otherwise protected from disclosure and which is reasonably available to Indemnitee and reasonably necessary to such determination. Any out-of-pocket costs or expenses (including reasonable attorneys' fees and disbursements) actually and reasonably incurred by Indemnitee in so cooperating with the Independent Counsel or the Company shall be borne by the Company (irrespective of the determination as to Indemnitee's entitlement to indemnification) and the Company hereby indemnifies and agrees to hold Indemnitee harmless therefrom.

(b) If the determination of entitlement to indemnification is to be made by Independent Counsel pursuant to Section 10(a), the Independent Counsel shall be selected by the Board if a Change in Control shall not have occurred or, if a Change in Control shall have occurred, by Indemnitee, Indemnitee or the Company, as the case may be, may, within ten (10) days after written notice of such selection, deliver to the Company or Indemnitee, as the case may be, a written objection to such selection; provided, however, that such objection may be asserted only on the ground that the Independent Counsel so selected does not meet the requirements of "Independent Counsel" as defined in Section 2 of this Agreement, and the objection shall set forth with particularity the factual basis of such assertion. Absent a proper and timely objection, the person so selected shall act as Independent Counsel. If such written objection is so made and substantiated, the Independent Counsel so selected may not serve as Independent Counsel unless and until such objection is withdrawn or the Delaware Court has determined that such objection is without merit. If, within twenty (20) days after the later of (i) submission by Indemnitee of a written request for indemnification pursuant to Section 9(a), and (ii) the final disposition of the Proceeding, including any appeal therein, no Independent Counsel shall have been selected without objection, either Indemnitee or the Company may petition the Delaware Court for resolution of any objection which shall have been made by Indemnitee or the Company to the selection of Independent Counsel and/or for the appointment as Independent Counsel of a person selected by the court or by such other person as the court shall designate. The person with respect to whom all objections are so resolved or the person so appointed shall act as Independent Counsel under Section 10(a) hereof. Upon the due commencement of any judicial proceeding or arbitration pursuant to Section 12(a) of this Agreement, Independent Counsel shall be discharged and relieved of any further responsibility in such capacity (subject to the applicable standards of professional conduct then prevailing).

#### Section 11. Presumptions and Effect of Certain Proceedings.

(a) To the extent permitted by applicable law, in making a determination with respect to entitlement to indemnification hereunder, it shall be presumed that Indemnatee is entitled to indemnification under this Agreement if Indemnatee has submitted a request for indemnification in accordance with Section 9(a) of this Agreement, and the Company shall have the burden of proof to overcome that presumption in connection with the making of any determination contrary to that presumption. Neither (i) the failure of the Company or of Independent Counsel to have made a determination prior to the commencement of any action pursuant to this Agreement that indemnification is proper in the circumstances because Indemnatee has met the applicable standard of conduct, nor (ii) an actual determination by the Company or by Independent Counsel that Indemnatee has not met such applicable standard of conduct, shall be a defense to the action or create a presumption that Indemnatee has not met the applicable standard of conduct.

(b) The termination of any Proceeding or of any claim, issue or matter therein, by judgment, order, settlement or conviction, or upon a plea of guilty, nolo contendere or its equivalent, shall not (except as otherwise expressly provided in this Agreement) of itself adversely affect the right of Indemnatee to indemnification or create a presumption that Indemnatee did not act in good faith and in a manner which he or she reasonably believed to be in or not opposed to the best interests of the Company or, with respect to any criminal Proceeding, that Indemnatee had reasonable cause to believe that his or her conduct was unlawful.

(c) The knowledge and/or actions, or failure to act, of any director, manager, partner, officer, employee, agent or trustee of the Company, any subsidiary of the Company, or any Enterprise shall not be imputed to Indemnatee for purposes of determining the right to indemnification under this Agreement.

#### Section 12. Remedies of Indemnatee.

(a) Subject to Section 12(f), in the event that (i) a determination is made pursuant to Section 10 of this Agreement that Indemnatee is not entitled to indemnification under this Agreement, (ii) advancement of Expenses is not timely made pursuant to Section 8 of this Agreement, (iii) no determination of entitlement to indemnification shall have been made pursuant to Section 10(a) of this Agreement within sixty (60) days after receipt by the Company of the request for indemnification for which a determination is to be made other than by Independent Counsel, (iv) payment of indemnification or reimbursement of expenses is not made pursuant to Section 5 or 6 or the last sentence of Section 10(a) of this Agreement within thirty (30) days after receipt by the Company of a written request therefor (including any invoices received by Indemnatee, which such invoices may be redacted as necessary to avoid the waiver of any privilege accorded by applicable law) or (v) payment of indemnification pursuant to Section 3 or 4 of this Agreement is not made within thirty (30) days after a determination has been made that Indemnatee is entitled to indemnification, Indemnatee shall be entitled to an adjudication by the Delaware Court of his or her entitlement to such indemnification or advancement. Alternatively, Indemnatee, at his or her option, may seek an award in arbitration to be conducted by a single arbitrator pursuant to the Commercial Arbitration Rules of the



American Arbitration Association. Indemnitee shall commence such proceeding seeking an adjudication or an award in arbitration within 180 days following the date on which Indemnitee first has the right to commence such proceeding pursuant to this Section 12(a); provided, however, that the foregoing time limitation shall not apply in respect of a proceeding brought by Indemnitee to enforce his or her rights under Section 5 of this Agreement. The Company shall not oppose Indemnitee's right to seek any such adjudication or award in arbitration.

(b) In the event that a determination shall have been made pursuant to Section 10(a) of this Agreement that Indemnitee is not entitled to indemnification, any judicial proceeding or arbitration commenced pursuant to this Section 12 shall be conducted in all respects as a de novo trial, or arbitration, on the merits and Indemnitee shall not be prejudiced by reason of that adverse determination. In any judicial proceeding or arbitration commenced pursuant to this Section 12, the Company shall have the burden of proving Indemnitee is not entitled to indemnification or advancement, as the case may be.

(c) If a determination shall have been made pursuant to Section 10(a) of this Agreement that Indemnitee is entitled to indemnification, the Company shall be bound by such determination in any judicial proceeding or arbitration commenced pursuant to this Section 12, absent (i) a misstatement by Indemnitee of a material fact, or an omission of a material fact necessary to make Indemnitee's statement not materially misleading, in connection with the request for indemnification, or (ii) a prohibition of such indemnification under applicable law.

(d) The Company shall be precluded from asserting in any judicial proceeding or arbitration commenced pursuant to this Section 12 that the procedures and presumptions of this Agreement are not valid, binding and enforceable and shall stipulate in any such court or before any such arbitrator that the Company is bound by all the provisions of this Agreement.

(e) The Company shall indemnify Indemnitee to the fullest extent permitted by law against any and all Enforcement Expenses and, if requested by Indemnitee, shall (within thirty (30) days after receipt by the Company of a written request therefor) advance, to the extent not prohibited by law, such Enforcement Expenses to Indemnitee, which are incurred by Indemnitee in connection with any action brought by Indemnitee for indemnification or advancement from the Company under this Agreement or under any directors' and officers' liability insurance policies maintained by the Company in the suit for which indemnification or advancement is being sought. Such written request for advancement shall include invoices received by Indemnitee in connection with such Enforcement Expenses but, in the case of invoices in connection with legal services, any references to legal work performed or to expenditures made that would cause Indemnitee to waive any privilege accorded by applicable law need not be included with the invoice.

(f) Notwithstanding anything in this Agreement to the contrary, no determination as to entitlement to indemnification under this Agreement shall be required to be made prior to the final disposition of the Proceeding, including any appeal therein.

Section 13. Non-exclusivity; Survival of Rights; Insurance; Primacy of Indemnification; Subrogation.

(a) The rights of indemnification and to receive advancement as provided by this Agreement shall not be deemed exclusive of any other rights to which Indemnitee may at any time be entitled under applicable law, the Charter, the Bylaws, any agreement, a vote of stockholders or a resolution of directors, or otherwise. No amendment, alteration or repeal of this Agreement or of any provision hereof shall limit or restrict any right of Indemnitee under this Agreement in respect of any action taken or omitted by such Indemnitee in his or her Corporate Status prior to such amendment, alteration or repeal. To the extent that a change in Delaware law, whether by statute or judicial decision, permits greater indemnification or advancement than would be afforded currently under the Charter, Bylaws and this Agreement, it is the intent of the parties hereto that Indemnitee shall enjoy by this Agreement the greater benefits so afforded by such change. No right or remedy herein conferred is intended to be exclusive of any other right or remedy, and every other right and remedy shall be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other right or remedy.

(b) To the extent that the Company maintains an insurance policy or policies providing liability insurance for directors, managers, partners, officers, employees, agents or trustees of the Company or of any other Enterprise, Indemnitee shall be covered by such policy or policies in accordance with its or their terms to the maximum extent of the coverage available for any such director, manager, partner, officer, employee, agent or trustee under such policy or policies. If, at the time of the receipt of a notice of a claim pursuant to the terms hereof, the Company has director and officer liability insurance in effect, the Company shall give prompt notice of the commencement of such proceeding to the insurers in accordance with the procedures set forth in the respective policies. The Company shall thereafter take all necessary or desirable action to cause such insurers to pay, on behalf of Indemnitee, all amounts payable as a result of such proceeding in accordance with the terms of such policies.

(c) [The Company hereby acknowledges that Indemnitee has certain rights to indemnification, advancement of expenses and/or insurance provided by [ ] and certain of its affiliates (collectively, the "Secondary Indemnitors"). The Company hereby agrees (i) that it is the indemnitor of first resort (*i.e.*, its obligations to Indemnitee are primary and any obligation of the Secondary Indemnitors to advance expenses or to provide indemnification for the same expenses or liabilities incurred by Indemnitee are secondary), (ii) that it shall be required to advance the full amount of expenses incurred by Indemnitee and shall be liable for the full amount of all Expenses, judgments, penalties, fines and amounts paid in settlement to the extent legally permitted and as required by the terms of this Agreement and the Charter and/or Bylaws (or any other agreement between the Company and Indemnitee), without regard to any rights Indemnitee may have against the Secondary Indemnitors, and (iii) that it irrevocably waives, relinquishes and releases the Secondary Indemnitors from any and all claims against the Secondary Indemnitors for contribution, subrogation or any other recovery of any kind in respect thereof. The Company further agrees that no advancement or payment by the Secondary Indemnitors on behalf of Indemnitee with respect to any claim for which Indemnitee has sought indemnification from the Company shall affect the foregoing and the Secondary Indemnitors shall have a right of contribution and/or be subrogated to the extent of such advancement or payment to all of the rights of recovery of Indemnitee against the Company. The Company and Indemnitee agree that the Secondary Indemnitors are express third party beneficiaries of the terms of this Section 13(c).]

(d) [Except as provided in paragraph (c) above,] in the event of any payment under this Agreement, the Company shall be subrogated to the extent of such payment to all of the rights of recovery of Indemnitee [(other than against the Secondary Indemnitors)], who shall execute all papers required and take all action necessary to secure such rights, including execution of such documents as are necessary to enable the Company to bring suit to enforce such rights.

(e) [Except as provided in paragraph (c) above,] the Company's obligation to provide indemnification or advancement hereunder to Indemnitee who is or was serving at the request of the Company as a director, manager, partner, officer, employee, agent or trustee of any other Enterprise shall be reduced by any amount Indemnitee has actually received as indemnification or advancement from such other Enterprise.

Section 14. Duration of Agreement. This Agreement shall continue until and terminate upon the later of: (a) ten (10) years after the date that Indemnitee shall have ceased to serve as a director of the Company or (b) one (1) year after the final termination of any Proceeding, including any appeal, then pending in respect of which Indemnitee is granted rights of indemnification or advancement hereunder and of any proceeding commenced by Indemnitee pursuant to Section 12 of this Agreement relating thereto. This Agreement shall be binding upon the Company and its successors and assigns and shall inure to the benefit of Indemnitee and his or her heirs, executors and administrators. The Company shall require and cause any successor (whether direct or indirect by purchase, merger, consolidation or otherwise) to all, substantially all or a substantial part, of the business and/or assets of the Company, by written agreement in form and substance satisfactory to Indemnitee, expressly to assume and agree to perform this Agreement in the same manner and to the same extent that the Company would be required to perform if no such succession had taken place.

Section 15. Severability. If any provision or provisions of this Agreement shall be held to be invalid, illegal or unenforceable for any reason whatsoever: (a) the validity, legality and enforceability of the remaining provisions of this Agreement (including, without limitation, each portion of any section of this Agreement containing any such provision held to be invalid, illegal or unenforceable, that is not itself invalid, illegal or unenforceable) shall not in any way be affected or impaired thereby and shall remain enforceable to the fullest extent permitted by law; (b) such provision or provisions shall be deemed reformed to the extent necessary to conform to applicable law and to give the maximum effect to the intent of the parties hereto; and (c) to the fullest extent possible, the provisions of this Agreement (including, without limitation, each portion of any section of this Agreement containing any such provision held to be invalid, illegal or unenforceable, that is not itself invalid, illegal or unenforceable) shall be construed so as to give effect to the intent manifested thereby.

Section 16. Enforcement.

(a) The Company expressly confirms and agrees that it has entered into this Agreement and assumed the obligations imposed on it hereby in order to induce Indemnitee to serve or continue to serve as a director of the Company, and the Company acknowledges that Indemnitee is relying upon this Agreement in serving as a director of the Company.

(b) This Agreement constitutes the entire agreement between the parties hereto with respect to the subject matter hereof and supersedes all prior agreements and understandings, oral, written and implied, between the parties hereto with respect to the subject matter hereof; provided, however, that this Agreement is a supplement to and in furtherance of the Charter, the Bylaws and applicable law, and shall not be deemed a substitute therefor, nor to diminish or abrogate any rights of Indemnitee thereunder.

Section 17. Modification and Waiver. No supplement, modification or amendment, or waiver of any provision, of this Agreement shall be binding unless executed in writing by the parties thereto. No waiver of any of the provisions of this Agreement shall be deemed or shall constitute a waiver of any other provisions of this Agreement nor shall any waiver constitute a continuing waiver. No supplement, modification or amendment of this Agreement or of any provision hereof shall limit or restrict any right of Indemnitee under this Agreement in respect of any action taken or omitted by such Indemnitee prior to such supplement, modification or amendment.

Section 18. Notice by Indemnitee. Indemnitee agrees promptly to notify the Company in writing upon being served with any summons, citation, subpoena, complaint, indictment, information or other document relating to any Proceeding or matter which may be subject to indemnification, reimbursement or advancement as provided hereunder. The failure of Indemnitee to so notify the Company shall not relieve the Company of any obligation which it may have to Indemnitee under this Agreement or otherwise.

Section 19. Notices. All notices, requests, demands and other communications under this Agreement shall be in writing and shall be deemed to have been duly given if (i) delivered by hand and receipted for by the party to whom said notice or other communication shall have been directed, (ii) mailed by certified or registered mail with postage prepaid, on the third business day after the date on which it is so mailed, (iii) mailed by reputable overnight courier and receipted for by the party to whom said notice or other communication shall have been directed or (iv) sent by facsimile transmission, with receipt of oral confirmation that such transmission has been received:

(a) If to Indemnitee, at such address as Indemnitee shall provide to the Company.

(b) If to the Company to:

Black Diamond Therapeutics, Inc.  
139 Main Street, Suite 301  
Cambridge, MA 02142  
Attention: General Counsel

or to any other address as may have been furnished to Indemnitee by the Company.

Section 20. Contribution. To the fullest extent permissible under applicable law, if the indemnification provided for in this Agreement is unavailable to Indemnitee for any reason whatsoever, the Company, in lieu of indemnifying Indemnitee, shall contribute to the amount incurred by Indemnitee, whether for judgments, fines, penalties, excise taxes, amounts paid or to be paid in settlement and/or for Expenses, in connection with any Proceeding in such proportion as is deemed fair and reasonable in light of all of the circumstances in order to reflect (i) the relative benefits received by the Company and Indemnitee in connection with the event(s) and/or transaction(s) giving rise to such Proceeding; and/or (ii) the relative fault of the Company (and its directors, officers, employees and agents) and Indemnitee in connection with such event(s) and/or transactions.

Section 21. Internal Revenue Code Section 409A. The Company intends for this Agreement to comply with the Indemnification exception under Section 1.409A-1(b)(10) of the regulations promulgated under the Internal Revenue Code of 1986, as amended (the "Code"), which provides that indemnification of, or the purchase of an insurance policy providing for payments of, all or part of the expenses incurred or damages paid or payable by Indemnitee with respect to a bona fide claim against Indemnitee or the Company do not provide for a deferral of compensation, subject to Section 409A of the Code, where such claim is based on actions or failures to act by Indemnitee in his or her capacity as a service provider of the Company. The parties intend that this Agreement be interpreted and construed with such intent.

Section 22. Applicable Law and Consent to Jurisdiction. This Agreement and the legal relations among the parties shall be governed by, and construed and enforced in accordance with, the laws of the State of Delaware, without regard to its conflict of laws rules. Except with respect to any arbitration commenced by Indemnitee pursuant to Section 12(a) of this Agreement, the Company and Indemnitee hereby irrevocably and unconditionally (i) agree that any action or proceeding arising out of or in connection with this Agreement shall be brought only in the Delaware Court, and not in any other state or federal court in the United States of America or any court in any other country, (ii) consent to submit to the exclusive jurisdiction of the Delaware Court for purposes of any action or proceeding arising out of or in connection with this Agreement, (iii) consent to service of process at the address set forth in Section 19 of this Agreement with the same legal force and validity as if served upon such party personally within the State of Delaware, (iv) waive any objection to the laying of venue of any such action or proceeding in the Delaware Court, and (v) waive, and agree not to plead or to make, any claim that any such action or proceeding brought in the Delaware Court has been brought in an improper or inconvenient forum.

Section 23. Headings. The headings of the paragraphs of this Agreement are inserted for convenience only and shall not be deemed to constitute part of this Agreement or to affect the construction thereof.

Section 24. Identical Counterparts. This Agreement may be executed in one or more counterparts, each of which shall for all purposes be deemed to be an original but all of which together shall constitute one and the same Agreement. Only one such counterpart signed by the party against whom enforceability is sought needs to be produced to evidence the existence of this Agreement.

[Remainder of Page Intentionally Left Blank]

IN WITNESS WHEREOF, the parties have caused this Agreement to be signed as of the day and year first above written.

BLACK DIAMOND THERAPEUTICS, INC.

By: \_\_\_\_\_  
Name:  
Title:

\_\_\_\_\_  
[Name of Indemnitee]

**EMPLOYMENT AGREEMENT**

This Employment Agreement (“Agreement”) is made between Black Diamond Therapeutics, Inc., a Delaware corporation (the “Company”), and David M. Epstein, Ph.D. (the “Executive”) and is effective as of the closing of the Company’s first underwritten public offering of its equity securities pursuant to an effective registration statement under the Securities Act of 1933, as amended (the “Effective Date”). Except with respect to the Equity Documents (as defined below), this Agreement supersedes in all respects all prior agreements between the Executive and the Company regarding the subject matter herein, including without limitation (i) the Employment Agreement between the Executive and ASET Therapeutics, Inc. dated March 14, 2017 (the “Prior Agreement”), and (ii) any other offer letter, employment agreement or severance agreement.

WHEREAS, the Company desires to continue to employ the Executive and the Executive desires to continue to be employed by the Company on the new terms and conditions contained herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Employment.

(a) Term. The Company shall employ the Executive and the Executive shall be employed by the Company pursuant to this Agreement commencing as of the Effective Date and continuing until such employment is terminated in accordance with the provisions hereof (the “Term”). The Executive’s employment with the Company will continue to be “at will,” meaning that the Executive’s employment may be terminated by the Company or the Executive at any time and for any reason subject to the terms of this Agreement.

(b) Position and Duties. The Executive shall serve as the President and Chief Executive Officer (the “CEO”) of the Company and shall have such powers and duties as may from time to time be prescribed by the Board of Directors of the Company (the “Board”). In addition, the Company shall cause the Executive to be nominated for election to the Board and to be recommended to the stockholders for election to the Board as long as the executive remains the CEO of the Company, provided the Executive shall resign from the Board and from any related positions upon ceasing to serve as CEO for any reason. The Executive shall devote the Executive’s full working time and efforts to the business and affairs of the Company. Notwithstanding the foregoing, the Executive may serve on other boards of directors, with the approval of the Board, or engage in religious, charitable or other community activities as long as such services and activities are disclosed to the Board and do not interfere with the Executive’s performance of the Executive’s duties to the Company. For the avoidance of doubt, the Executive may perform such incidental services as are necessary in connection with the Executive’s engagement and research activities with Duke-NUS Medical School in Singapore as Adjunct Associate Professor so long as these activities do not interfere with the Executive’s duties to the Company. To the extent applicable, the Executive shall be deemed to have resigned from all officer and board member positions that the Executive holds with the Company or any of its respective subsidiaries and affiliates upon the termination of the Executive’s employment for any reason. The Executive shall execute any documents in reasonable form as may be requested to confirm or effectuate any such resignations.



## 2. Compensation and Related Matters.

(a) Base Salary. The Executive's initial base salary shall be paid at the rate of \$515,000 per year. The Executive's base salary shall be subject to periodic review by the Board or the Compensation Committee of the Board (the "Compensation Committee"). The base salary in effect at any given time is referred to herein as "Base Salary." The Base Salary shall be payable in a manner that is consistent with the Company's usual payroll practices for executive officers.

(b) Incentive Compensation. The Executive shall be eligible to receive cash incentive compensation as determined by the Board or the Compensation Committee from time to time. The Executive's initial target annual incentive compensation shall be 50 percent of the Executive's Base Salary. The target annual incentive compensation in effect at any given time is referred to herein as "Target Bonus." The actual amount of the Executive's annual incentive compensation, if any, shall be determined in the sole discretion of the Board or the Compensation Committee, subject to the terms of any applicable incentive compensation plan that may be in effect from time to time. Except as otherwise provided herein, to earn incentive compensation, the Executive must be employed by the Company on the day such incentive compensation is paid.

(c) Expenses. The Executive shall be entitled to receive prompt reimbursement for all reasonable expenses incurred by the Executive during the Term in performing services hereunder, in accordance with the policies and procedures then in effect and established by the Company for its executive officers.

(d) Other Benefits. The Executive shall be eligible to participate in or receive benefits under the Company's employee benefit plans in effect from time to time, subject to the terms of such plans.

(e) Paid Time Off. The Executive shall be entitled to take paid time off in accordance with the Company's applicable paid time off policy for executives, as may be in effect from time to time.

(f) Equity. The equity awards held by the Executive shall continue to be governed by the terms and conditions of the Company's applicable equity incentive plan(s) and the applicable award agreement(s) governing the terms of such equity awards held by the Executive (collectively, the "Equity Documents"); provided, however, and notwithstanding anything to the contrary in the Equity Documents, Section 5, 6(c), and 7(a)(ii) shall apply in the event of a termination of the Executive's employment covered by those provisions pursuant to the terms of this Agreement.

3. Termination. The Executive's employment hereunder may be terminated without any breach of this Agreement under the following circumstances:

(a) Death. The Executive's employment hereunder shall terminate upon death.

(b) Disability. The Company may terminate the Executive's employment if the Executive is disabled and unable to perform the essential functions of the Executive's then existing position or positions under this Agreement with or without reasonable accommodation for a period of 180 days (which need not be consecutive) in any 12-month period. If any question shall arise as to whether during any period the Executive is disabled so as to be unable to perform the essential functions of the Executive's then existing position or positions with or without reasonable accommodation, the Executive may, and at the request of the Company shall, submit to the Company a certification in reasonable detail by a physician selected by the Company to whom the Executive or the Executive's guardian has no reasonable objection as to whether the Executive is so disabled or how long such disability is expected to continue, and such certification shall for the purposes of this Agreement be conclusive of the issue. The Executive shall cooperate with any reasonable request of the physician in connection with such certification. If such question shall arise and the Executive shall fail to submit such certification, the Company's determination of such issue shall be binding on the Executive. Nothing in this Section 3(b) shall be construed to waive the Executive's rights, if any, under existing law including, without limitation, the Family and Medical Leave Act of 1993, 29 U.S.C. §2601 *et seq.* and the Americans with Disabilities Act, 42 U.S.C. §12101 *et seq.*

(c) Termination by Company for Cause. The Company may terminate the Executive's employment hereunder for Cause. For purposes of this Agreement, "Cause" shall mean any of the following:

(i) the willful failure, disregard or refusal by the Executive to perform the Executive's material duties or obligations under this Agreement which, to the extent it is curable by the Executive, is not cured within thirty (30) days after written notice thereof is given to the Executive by the Company;

(ii) any willful, intentional or grossly negligent act by the Executive having the effect of materially injuring (whether financially or otherwise) the business or reputation of the Company or any of its affiliates, including but not limited to, any senior officer, director or executive of the Company or any of its affiliates;

(iii) willful misconduct by the Executive with respect to any of the material duties or obligations of the Executive under this Agreement, including, without limitation, willful insubordination with respect to lawful directions received by the Executive from the Board which, to the extent it is curable by the Executive, is not cured within thirty (30) days after written notice thereof is given to the Executive by the Company;

(iv) the commission by the Executive of acts satisfying the elements of (A) any felony or (B) a misdemeanor involving moral turpitude, deceit, dishonesty or fraud;

(v) the determination, after a reasonable and good-faith investigation by the Company, that the Executive engaged in some form of harassment or discrimination prohibited by law (including, without limitation, age, sex or race harassment or discrimination);

(vi) the Executive's material misappropriation or embezzlement of the property of the Company or its Affiliates (whether or not a misdemeanor or felony);

(vii) material breach by the Executive of any of the provisions of this Agreement, of any Company policy, and/or of the Executive's Restrictive Covenants Agreement (as defined below); or

(viii) the Executive's failure to cooperate with a bona fide internal investigation or an investigation by regulatory or law enforcement authorities, after being instructed by the Company to cooperate, or the willful destruction or failure to preserve documents or other materials known to be relevant to such investigation or the inducement of others to fail to cooperate or to produce documents or other materials in connection with such investigation.

(d) Termination by the Company without Cause. The Company may terminate the Executive's employment hereunder at any time without Cause. Any termination by the Company of the Executive's employment under this Agreement which does not constitute a termination for Cause under Section 3(c) and does not result from the death or disability of the Executive under Section 3(a) or (b) shall be deemed a termination without Cause.

(e) Termination by the Executive. The Executive may terminate employment hereunder at any time for any reason, including but not limited to, Good Reason. For purposes of this Agreement, "Good Reason" shall mean that the Executive has completed all steps of the Good Reason Process (hereinafter defined) following the occurrence of any of the following events without the Executive's consent (each, a "Good Reason Condition"):

(i) a material adverse change in Executive's duties, authority, responsibilities or reporting chain relative to Executive's duties, authority, or responsibilities in effect immediately prior to such change;

(ii) a material diminution in the Executive's Base Salary except for across-the-board salary reductions based on the Company's financial performance similarly affecting all or substantially all senior management employees of the Company;

(iii) a material change in the geographic location at which the Executive provides services to the Company, such that there is an increase of at least thirty (30) miles of driving distance to such location from the Executive's principal residence as of such change; or

(iv) a material breach of this Agreement by the Company.

The “Good Reason Process” consists of the following steps:

- (i) the Executive reasonably determines in good faith that a Good Reason Condition has occurred;
- (ii) the Executive notifies the Company in writing of the first occurrence of the Good Reason Condition within 60 days of the first occurrence of such condition;
- (iii) the Executive cooperates in good faith with the Company’s efforts, for a period of not less than 30 days following such notice (the “Cure Period”), to remedy the Good Reason Condition;
- (iv) notwithstanding such efforts, the Good Reason Condition continues to exist; and
- (v) the Executive terminates employment within 60 days after the end of the Cure Period.

If the Company cures the Good Reason Condition during the Cure Period, Good Reason shall be deemed not to have occurred.

If the Executive’s employment with the Company is terminated for any reason, the Company shall pay or provide to the Executive (or to the Executive’s authorized representative or estate) (i) any Base Salary earned through the Date of Termination; (ii) unpaid expense reimbursements (subject to, and in accordance with, Section 2(c) of this Agreement); and (iii) any vested benefits the Executive may have under any employee benefit plan of the Company through the Date of Termination, which vested benefits shall be paid and/or provided in accordance with the terms of such employee benefit plans (collectively, the “Accrued Obligations”).

#### 4. Notice and Date of Termination.

(a) Notice of Termination. Except for termination as specified in Section 3(a), any termination of the Executive’s employment by the Company or any such termination by the Executive shall be communicated by written Notice of Termination to the other party hereto. For purposes of this Agreement, a “Notice of Termination” shall mean a notice which shall indicate the specific termination provision in this Agreement relied upon.

(b) Date of Termination. “Date of Termination” shall mean: (i) if the Executive’s employment is terminated by death, the date of death; (ii) if the Executive’s employment is terminated on account of disability under Section 3(b) or by the Company for Cause under Section 3(c), the date on which Notice of Termination is given; (iii) if the Executive’s employment is terminated by the Company without Cause under Section 3(d), the date on which a Notice of Termination is given or the date otherwise specified by the Company in the Notice of Termination; (iv) if the Executive’s employment is terminated by the Executive under Section 3(e) other than for Good Reason, 30 days after the date on which a Notice of Termination is given, and (v) if the Executive’s employment is terminated by the Executive under Section 3(e) for Good Reason, the date on which a Notice of Termination is given after the end of the Cure Period. Notwithstanding the foregoing, in the event that the Executive gives a Notice of Termination to the Company, the Company may unilaterally accelerate the Date of Termination and such acceleration shall not result in a termination by the Company for purposes of this Agreement.

5. Severance Pay and Benefits Upon Death or Disability. If the Executive's employment is terminated by death pursuant to Section 3(a) or disability pursuant to Section 3(b), then, subject to the Executive (or the Executive's estate or heirs, as applicable) signing the Separation Agreement and Release (as defined below) and the Separation Agreement and Release becoming fully effective, all within the time frame set forth in the Separation Agreement and Release but in no event more than 60 days after the Date of Termination, the Executive, the Executive's estate, or the Executive's heirs, as applicable, shall be entitled to: (1) continuation of the Executive's salary Base Salary for a period of 75 days following the Date of Termination; and (2) partial accelerated vesting of each of the Executive's outstanding stock options that were granted on or prior to the Effective Date of this Agreement such that, on the effective date of the Separation Agreement and Release, the Executive shall receive immediate accelerated vesting of each option with respect to the same number of shares that would have vested if the Executive had continued in employment with the Company through the next anniversary of the grant date for such option, in accordance with the vesting schedule applicable to such option, provided, however, that if the Date of Termination falls on an anniversary of the grant date of any stock option, no accelerated vesting will be provided for such stock option; provided further, that any termination or forfeiture of the unvested portion of such options that would otherwise occur on the Date of Termination in the absence of this Agreement will be delayed until the effective date of the Separation Agreement and Release and will only occur if the vesting pursuant to this Section does not occur due to the absence of the Separation Agreement and Release becoming fully effective within the time period set forth therein. Notwithstanding the foregoing, no additional vesting of the options shall occur during the period between the Executive's Date of Termination and the effective date of the Separation Agreement and Release. The amounts payable under Section 5, to the extent taxable, shall be paid out in substantially equal installments in accordance with the Company's payroll practice over two-and-a-half months commencing within 60 days after the Date of Termination; provided, however, that if the 60-day period begins in one calendar year and ends in a second calendar year, the amount, to the extent it qualifies as "non-qualified deferred compensation" within the meaning of Section 409A of the Internal Revenue Code of 1986, as amended (the "Code"), shall begin to be paid in the second calendar year by the last day of such 60-day period; provided, further, that the initial payment shall include a catch-up payment to cover amounts retroactive to the day immediately following the Date of Termination. Each payment pursuant to this Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2).

6. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason Outside the Change in Control Period. If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d), or the Executive terminates employment for Good Reason as provided in Section 3(e), each outside of the Change in Control Period (as defined below), then, in addition to the Accrued Obligations, and subject to (i) the Executive signing a separation agreement and release in a form and manner satisfactory to the Company, which shall include, without limitation, a general release of claims against the Company and all related persons and entities, a reaffirmation of all of the Executive's Continuing Obligations (as defined below), and, in the Company's sole discretion, a one-year post-employment noncompetition agreement, and shall provide that if the Executive breaches

any of the Continuing Obligations, all payments of the Severance Amount shall immediately cease (the "Separation Agreement and Release"), and (ii) the Separation Agreement and Release becoming irrevocable, all within 60 days after the Date of Termination (or such shorter period as set forth in the Separation Agreement and Release), which shall include a seven (7) business day revocation period:

(a) the Company shall pay the Executive an amount equal to the sum of (A) 12 months of the Executive's Base Salary plus (B) the Executive's Target Bonus for the then-current year (the "Severance Amount"); provided in the event the Executive is entitled to any payments pursuant to the Restrictive Covenants Agreement, the Severance Amount received in any calendar year will be reduced by the amount the Executive is paid in the same such calendar year pursuant to the Restrictive Covenants Agreement (the "Restrictive Covenants Agreement Setoff");

(b) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under the Consolidated Omnibus Budget Reconciliation Act of 1985, as amended ("COBRA"), the Company shall pay to the group health plan provider, the COBRA provider or the Executive a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 12 month anniversary of the Date of Termination; (B) the Executive's eligibility for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's continuation rights under COBRA; provided, however, if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates; and

(c) accelerated vesting of each of the Executive's outstanding stock options that were granted on or prior to the Effective Date of this Agreement shall occur such that, on the effective date of the Separation Agreement and Release, the Executive shall receive immediate accelerated vesting of each option with respect to the same number of shares that would have vested if the Executive had continued in employment with the Company through the next anniversary of the grant date for such option, in accordance with the vesting schedule applicable to such option, provided, however, that if the Date of Termination falls on an anniversary of the grant date of any stock option, no accelerated vesting will be provided for such stock option; provided further, that any termination or forfeiture of the unvested portion of such options that would otherwise occur on the Date of Termination in the absence of this Agreement will be delayed until the effective date of the Separation Agreement and Release and will only occur if the vesting pursuant to this subsection does not occur due to the absence of the Separation Agreement and Release becoming fully effective within the time period set forth therein. For the avoidance of doubt, the portion of the Executive's stock options that are accelerated pursuant to this Section will remain exercisable for ninety (90) days following the Date of Termination.

The amounts payable under Section 6, to the extent taxable, shall be paid out in substantially equal installments in accordance with the Company's payroll practice over 12 months commencing within 60 days after the Date of Termination; provided, however, that if the 60-day period begins in one calendar year and ends in a second calendar year, the Severance Amount, to the extent it qualifies as "non-qualified deferred compensation" within the meaning of Section 409A of the Internal Revenue Code of 1986, as amended (the "Code"), shall begin to be paid in the second calendar year by the last day of such 60-day period; provided, further, that the initial payment shall include a catch-up payment to cover amounts retroactive to the day immediately following the Date of Termination. Each payment pursuant to this Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2).

7. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason within the Change in Control Period. The provisions of this Section 7 shall apply in lieu of, and expressly supersede, the provisions of Section 6 if (i) the Executive's employment is terminated either (a) by the Company without Cause as provided in Section 3(d), or (b) by the Executive for Good Reason as provided in Section 3(e), and (ii) the Date of Termination is within 12 months after the occurrence of the first event constituting a Change in Control (such period, the "Change in Control Period"). These provisions shall terminate and be of no further force or effect after a Change in Control Period.

(a) If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d) or the Executive terminates employment for Good Reason as provided in Section 3(e) and in each case the Date of Termination occurs during the Change in Control Period, then, in addition to the Accrued Obligations, and subject to the signing of the Separation Agreement and Release by the Executive and the Separation Agreement and Release becoming fully effective, all within the time frame set forth in the Separation Agreement and Release but in no event more than 60 days after the Date of Termination:

(i) the Company shall pay the Executive a lump sum in cash in an amount equal to 1.5 times the sum of (A) the Executive's then current Base Salary (or the Executive's Base Salary in effect immediately prior to the Change in Control, if higher) plus (B) the Executive's Target Bonus for the then-current year (the "Change in Control Payment"); provided the Change in Control Payment shall be reduced by the amount of the Restrictive Covenants Agreement Setoff, if applicable, paid or to be paid in the same calendar year; and

(ii) notwithstanding anything to the contrary in any applicable option agreement or other stock-based award agreement, all stock options and other stock-based awards held by the Executive (the "Equity Awards") shall immediately accelerate and become fully exercisable or nonforfeitable as of the later of (i) the Date of Termination or (ii) the effective date of the Separation Agreement and Release (the "Accelerated Vesting Date"); *provided* that any termination or forfeiture of the unvested portion of such Equity Awards that would otherwise occur on the Date of Termination in the absence of this Agreement will be delayed until the effective date of the Separation Agreement and Release and will only occur if the vesting pursuant to this subsection does not occur due to the absence of the Separation Agreement and Release becoming fully effective within the time period set forth therein. Notwithstanding the foregoing, no additional vesting of the Equity Awards shall occur during the period between the Executive's Date of Termination and the Accelerated Vesting Date; and

(iii) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under COBRA, the Company shall pay to the group health plan provider, the COBRA provider or the Executive a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 18 month anniversary of the Date of Termination; (B) the Executive's eligibility for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's continuation rights under COBRA; provided, however, if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under this Section 7(a), to the extent taxable, shall be paid or commence to be paid within 60 days after the Date of Termination; provided, however, that if the 60-day period begins in one calendar year and ends in a second calendar year, such payments to the extent they qualify as "non-qualified deferred compensation" within the meaning of Section 409A of the Code, shall be paid or commence to be paid in the second calendar year by the last day of such 60-day period.

(b) Additional Limitation.

(i) Anything in this Agreement to the contrary notwithstanding, in the event that the amount of any compensation, payment or distribution by the Company to or for the benefit of the Executive, whether paid or payable or distributed or distributable pursuant to the terms of this Agreement or otherwise, calculated in a manner consistent with Section 280G of the Code, and the applicable regulations thereunder (the "Aggregate Payments"), would be subject to the excise tax imposed by Section 4999 of the Code, then the Aggregate Payments shall be reduced (but not below zero) so that the sum of all of the Aggregate Payments shall be \$1.00 less than the amount at which the Executive becomes subject to the excise tax imposed by Section 4999 of the Code; provided that such reduction shall only occur if it would result in the Executive receiving a higher After Tax Amount (as defined below) than the Executive would receive if the Aggregate Payments were not subject to such reduction. In such event, the Aggregate Payments shall be reduced in the following order, in each case, in reverse chronological order beginning with the Aggregate Payments that are to be paid the furthest in time from consummation of the transaction that is subject to Section 280G of the Code: (1) cash payments not subject to Section 409A of the Code; (2) cash payments subject to Section 409A of the Code; (3) equity-based payments and acceleration; and (4) non-cash forms of benefits; provided that in the case of all the foregoing Aggregate Payments all amounts or payments that are not subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c) shall be reduced before any amounts that are subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c).



(ii) For purposes of this Section 7(b), the “After Tax Amount” means the amount of the Aggregate Payments less all federal, state, and local income, excise and employment taxes imposed on the Executive as a result of the Executive’s receipt of the Aggregate Payments. For purposes of determining the After Tax Amount, the Executive shall be deemed to pay federal income taxes at the highest marginal rate of federal income taxation applicable to individuals for the calendar year in which the determination is to be made, and state and local income taxes at the highest marginal rates of individual taxation in each applicable state and locality, net of the maximum reduction in federal income taxes which could be obtained from deduction of such state and local taxes.

(iii) The determination as to whether a reduction in the Aggregate Payments shall be made pursuant to Section 7(b)(i) shall be made by a nationally recognized accounting firm selected by the Company (the “Accounting Firm”), which shall provide detailed supporting calculations both to the Company and the Executive within 15 business days of the Date of Termination, if applicable, or at such earlier time as is reasonably requested by the Company or the Executive. Any determination by the Accounting Firm shall be binding upon the Company and the Executive.

(c) Definitions. For purposes of this Section 7, a “Change in Control” shall mean a “Sale Event” as defined in the Black Diamond Therapeutics, Inc. 2019 Stock Option and Incentive Plan, as may be amended from time to time, but only to the extent such Sale Event is also a “change in control event” within the meaning of Section 409A of the Code and the regulations promulgated thereunder.

#### 8. Section 409A.

(a) Anything in this Agreement to the contrary notwithstanding, if at the time of the Executive’s separation from service within the meaning of Section 409A of the Code, the Company determines that the Executive is a “specified employee” within the meaning of Section 409A(a)(2)(B)(i) of the Code, then to the extent any payment or benefit that the Executive becomes entitled to under this Agreement or otherwise on account of the Executive’s separation from service would be considered deferred compensation otherwise subject to the 20 percent additional tax imposed pursuant to Section 409A(a) of the Code as a result of the application of Section 409A(a)(2)(B)(i) of the Code, such payment shall not be payable and such benefit shall not be provided until the date that is the earlier of (A) six months and one day after the Executive’s separation from service, or (B) the Executive’s death. If any such delayed cash payment is otherwise payable on an installment basis, the first payment shall include a catch-up payment covering amounts that would otherwise have been paid during the six-month period but for the application of this provision, and the balance of the installments shall be payable in accordance with their original schedule.

(b) All in-kind benefits provided and expenses eligible for reimbursement under this Agreement shall be provided by the Company or incurred by the Executive during the time periods set forth in this Agreement. All reimbursements shall be paid as soon as administratively practicable, but in no event shall any reimbursement be paid after the last day of the taxable year following the taxable year in which the expense was incurred. The amount of in-kind benefits provided or reimbursable expenses incurred in one taxable year shall not affect the in-kind benefits to be provided or the expenses eligible for reimbursement in any other taxable year (except for any lifetime or other aggregate limitation applicable to medical expenses). Such right to reimbursement or in-kind benefits is not subject to liquidation or exchange for another benefit.

(c) To the extent that any payment or benefit described in this Agreement constitutes “non-qualified deferred compensation” under Section 409A of the Code, and to the extent that such payment or benefit is payable upon the Executive’s termination of employment, then such payments or benefits shall be payable only upon the Executive’s “separation from service.” The determination of whether and when a separation from service has occurred shall be made in accordance with the presumptions set forth in Treasury Regulation Section 1.409A-1(h).

(d) The parties intend that this Agreement will be administered in accordance with Section 409A of the Code. To the extent that any provision of this Agreement is ambiguous as to its compliance with Section 409A of the Code, the provision shall be read in such a manner so that all payments hereunder comply with Section 409A of the Code. Each payment pursuant to this Agreement or the Restrictive Covenants Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2). The parties agree that this Agreement may be amended, as reasonably requested by either party, and as may be necessary to fully comply with Section 409A of the Code and all related rules and regulations in order to preserve the payments and benefits provided hereunder without additional cost to either party.

(e) The Company makes no representation or warranty and shall have no liability to the Executive or any other person if any provisions of this Agreement are determined to constitute deferred compensation subject to Section 409A of the Code but do not satisfy an exemption from, or the conditions of, such Section.

#### 9. Continuing Obligations.

(a) Restrictive Covenants Agreement. As a condition of employment, the Executive is required to enter into the Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement, attached hereto as Exhibit A (the “Restrictive Covenants Agreement”). The Executive acknowledges that the benefits of this Agreement, to which the Executive was not previously entitled, are fair and reasonable consideration independent from the continuation of employment sufficient to support the Restrictive Covenants Agreement. For purposes of this Agreement, the obligations in this Section 9 and those that arise in the Restrictive Covenants Agreement and any other agreement relating to confidentiality, assignment of inventions, or other restrictive covenants shall collectively be referred to as the “Continuing Obligations.”

(b) Third-Party Agreements and Rights. The Executive hereby confirms that the Executive is not bound by the terms of any agreement with any previous employer or other party which restricts in any way the Executive's use or disclosure of information, other than confidentiality restrictions (if any), or the Executive's engagement in any business. The Executive represents to the Company that the Executive's execution of this Agreement, the Executive's employment with the Company and the performance of the Executive's proposed duties for the Company will not violate any obligations the Executive may have to any such previous employer or other party. In the Executive's work for the Company, the Executive will not disclose or make use of any information in violation of any agreements with or rights of any such previous employer or other party, and the Executive will not bring to the premises of the Company any copies or other tangible embodiments of non-public information belonging to or obtained from any such previous employment or other party.

(c) Litigation and Regulatory Cooperation. During and after the Executive's employment, the Executive shall cooperate fully with the Company in (i) the defense or prosecution of any claims or actions now in existence or which may be brought in the future against or on behalf of the Company which relate to events or occurrences that transpired while the Executive was employed by the Company, and (ii) the investigation, whether internal or external, of any matters about which the Company believes the Executive may have knowledge or information. The Executive's full cooperation in connection with such claims, actions or investigations shall include, but not be limited to, being available to meet with counsel to answer questions or to prepare for discovery or trial and to act as a witness on behalf of the Company at mutually convenient times. During and after the Executive's employment, the Executive also shall cooperate fully with the Company in connection with any investigation or review of any federal, state or local regulatory authority as any such investigation or review relates to events or occurrences that transpired while the Executive was employed by the Company. The Company shall reimburse the Executive for any reasonable out-of-pocket expenses incurred in connection with the Executive's performance of obligations pursuant to this Section 9(c).

(d) Relief. The Executive agrees that it would be difficult to measure any damages caused to the Company which might result from any breach by the Executive of the Continuing Obligations, and that in any event money damages would be an inadequate remedy for any such breach. Accordingly, the Executive agrees that if the Executive breaches, or proposes to breach, any portion of the Continuing Obligations, the Company shall be entitled, in addition to all other remedies that it may have, to an injunction or other appropriate equitable relief to restrain any such breach without showing or proving any actual damage to the Company.

(e) Protected Disclosures and Other Protected Action. Nothing in this Agreement shall be interpreted or applied to prohibit the Executive from making any good faith report to any governmental agency or other governmental entity (a "Government Agency") concerning any act or omission that the Executive reasonably believes constitutes a possible violation of federal or state law or making other disclosures that are protected under the anti-retaliation or whistleblower provisions of applicable federal or state law or regulation. In addition, nothing contained in this Agreement limits the Executive's ability to communicate with any Government Agency or otherwise participate in any investigation or proceeding that may be conducted by any Government Agency, including the Executive's ability to provide documents or other information, without notice to the Company. In addition, for the avoidance of doubt, pursuant to the federal Defend Trade Secrets Act of 2016, the Executive shall not be held criminally or civilly liable under any federal or state trade secret law or under this Agreement or

the Restrictive Covenants Agreement for the disclosure of a trade secret that (a) is made (i) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (ii) solely for the purpose of reporting or investigating a suspected violation of law; or (b) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal.

10. Consent to Jurisdiction. The parties hereby consent to the exclusive jurisdiction of the state and federal courts of the Commonwealth of Massachusetts. Accordingly, with respect to any such court action, the Executive (a) submits to the exclusive personal jurisdiction of such courts; (b) consents to service of process; and (c) waives any other requirement (whether imposed by statute, rule of court, or otherwise) with respect to personal jurisdiction or service of process.

11. Integration. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior agreements between the parties concerning such subject matter, including the Prior Agreement, provided that the Equity Documents remain in full force and effect.

12. Withholding; Tax Effect. All payments made by the Company to the Executive under this Agreement shall be net of any tax or other amounts required to be withheld by the Company under applicable law. Nothing in this Agreement shall be construed to require the Company to make any payments to compensate the Executive for any adverse tax effect associated with any payments or benefits or for any deduction or withholding from any payment or benefit.

13. Assignment. Neither the Executive nor the Company may make any assignment of this Agreement or any interest in it, by operation of law or otherwise, without the prior written consent of the other; provided, however, that the Company may assign its rights and obligations under this Agreement (including the Restrictive Covenants Agreement) without the Executive's consent to any affiliate or to any person or entity with whom the Company shall hereafter effect a reorganization, consolidate with, or merge into or to whom it transfers all or substantially all of its properties or assets; provided further that if the Executive remains employed or becomes employed by the Company, the purchaser or any of their affiliates in connection with any such transaction, then the Executive shall not be entitled to any payments, benefits or vesting pursuant to Section 6 or pursuant to Section 7 of this Agreement solely as a result of such transaction. This Agreement shall inure to the benefit of and be binding upon the Executive and the Company, and each of the Executive's and the Company's respective successors, executors, administrators, heirs and permitted assigns. The Company shall obtain an agreement from any successor to assume and agree to perform this Agreement in the same manner and to the same extent that the Company would be required to perform if no succession had taken place, except where such assumption occurs by operation of law.

14. Enforceability. If any portion or provision of this Agreement (including, without limitation, any portion or provision of any section of this Agreement) shall to any extent be declared illegal or unenforceable by a court of competent jurisdiction, then the remainder of this Agreement, or the application of such portion or provision in circumstances other than those as to which it is so declared illegal or unenforceable, shall not be affected thereby, and each portion and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

15. Survival. The provisions of this Agreement shall survive the termination of this Agreement and/or the termination of the Executive's employment to the extent necessary to effectuate the terms contained herein.

16. Waiver. No waiver of any provision hereof shall be effective unless made in writing and signed by the waiving party. The failure of any party to require the performance of any term or obligation of this Agreement, or the waiver by any party of any breach of this Agreement, shall not prevent any subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach.

17. Notices. Any notices, requests, demands and other communications provided for by this Agreement shall be sufficient if in writing and delivered in person or sent by a nationally recognized overnight courier service or by registered or certified mail, postage prepaid, return receipt requested, to the Executive at the last address the Executive has filed in writing with the Company or, in the case of the Company, at its main offices, attention of the Board.

18. Amendment. This Agreement may be amended or modified only by a written instrument signed by the Executive and by a duly authorized representative of the Company.

19. Effect on Other Plans and Agreements. An election by the Executive to resign for Good Reason under the provisions of this Agreement shall not be deemed a voluntary termination of employment by the Executive for the purpose of interpreting the provisions of any of the Company's benefit plans, programs or policies. Nothing in this Agreement shall be construed to limit the rights of the Executive under the Company's benefit plans, programs or policies except as otherwise provided in Section 9 hereof, and except that the Executive shall have no rights to any severance benefits under any Company severance pay plan, offer letter or otherwise. Except for the Restrictive Covenants Agreement, in the event that the Executive is party to an agreement with the Company providing for payments or benefits under such plan or agreement and under this Agreement, the terms of this Agreement shall govern and the Executive may receive payment under this Agreement only and not both. Further, Section 6 and Section 7 of this Agreement are mutually exclusive and in no event shall the Executive be entitled to payments or benefits pursuant to both Section 6 and Section 7 of this Agreement.

20. Governing Law. This is a Massachusetts contract and shall be construed under and be governed in all respects by the laws of the Commonwealth of Massachusetts, without giving effect to the conflict of laws principles thereof. With respect to any disputes concerning federal law, such disputes shall be determined in accordance with the law as it would be interpreted and applied by the United States Court of Appeals for the First Circuit.

21. Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be taken to be an original; but such counterparts shall together constitute one and the same document.

IN WITNESS WHEREOF, the parties have executed this Agreement effective on the Effective Date.

**BLACK DIAMOND THERAPEUTICS, INC.**

By: /s/ Brent Hatzis-Schoch

Its: Chief Operating Officer & General Counsel

**EXECUTIVE**

/s/ David Epstein

David M. Epstein, Ph.D.

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**Exhibit A**

**Restrictive Covenants Agreement**

**Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement**

In consideration and as a condition of my employment by Black Diamond Therapeutics, Inc. (including its subsidiaries and other affiliates and its and their successors and assigns, the “Company”), and in exchange for, among other things, the enhanced benefits provided in the Employment Agreement to which this Agreement is appended, which I acknowledge and agree is fair and reasonable consideration which is independent from the continuation of my employment, I enter into this Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement (the “Agreement”) and agree as follows:

**1. Proprietary Information.** I agree that all information, whether or not in writing, concerning the Company’s business, technology, business relationships or financial affairs that the Company has not released to the general public (collectively, “Proprietary Information”) and all tangible embodiments thereof are and will be the exclusive property of the Company. By way of illustration, Proprietary Information may include information or material that has not been made generally available to the public, such as: (a) *corporate information*, including plans, strategies, methods, policies, resolutions, negotiations or litigation; (b) *marketing information*, including strategies, methods, customer or business partner identities or other information about customers, business partners, prospect identities or other information about prospects, or market analyses or projections; (c) *financial information*, including cost and performance data, debt arrangements, equity structure, investors and holdings, purchasing and sales data and price lists; (d) *operational, technological and scientific information*, including plans, specifications, manuals, forms, templates, software, pre-clinical and clinical testing data and strategies, research and development strategies, designs, methods, procedures, formulae, data, reports, discoveries, inventions, improvements, concepts, ideas, and other Developments (as defined below), know-how and trade secrets; and (e) *personnel information*, including personnel lists, reporting or organizational structure, resumes, personnel data, performance evaluations and termination arrangements or documents. Proprietary Information also includes information received in confidence by the Company from its customers, suppliers, business partners or other third parties.

**2. Recognition of Company’s Rights.** I will not, at any time, without the Company’s prior written permission, either during or after my employment, disclose any Proprietary Information to anyone outside of the Company, or use or permit to be used any Proprietary Information for any purpose other than the performance of my duties as an employee of the Company. I will cooperate with the Company and use my best efforts to prevent the unauthorized disclosure of all Proprietary Information. I will deliver to the Company all copies and other tangible embodiments of Proprietary Information in my possession or control upon the earlier of a request by the Company or termination of my employment.

**3. Rights of Others.** I understand that the Company is now and may hereafter be subject to nondisclosure or confidentiality agreements with third persons that require the Company to protect or refrain from use or disclosure of proprietary information. I agree to be bound by the terms of such agreements in the event I have access to such proprietary information. I understand that the Company strictly prohibits me from using or disclosing confidential or proprietary information belonging to any other person or entity (including any employer or former employer), in connection with my employment. In addition, I agree not to bring any confidential information belonging to any other person or entity onto Company premises or into Company workspaces.

**4. Commitment to Company; Avoidance of Conflict of Interest.** While an employee of the Company, I will devote my full-time efforts to the Company’s business and I will not, directly or indirectly, engage in any other business activity, except as expressly authorized in writing and in advance by a duly authorized representative of the Company. I will advise an authorized officer of the Company or his or her designee at such time as any activity of either the Company or another business presents me with a conflict of interest or the appearance of a conflict of interest as an employee of the Company. I will take whatever action is requested of me by the Company to resolve any conflict or appearance of conflict which it finds to exist.

**5. Developments.** I have made and will make full and prompt disclosure to the Company of all inventions, discoveries, designs, developments, methods, modifications, improvements, processes, algorithms, data, databases, computer programs, research, formulae, techniques, trade secrets, graphics or images, and audio or visual works and other works of authorship, and other intellectual property, including works-in-process (collectively “Developments”)



whether or not patentable or copyrightable, that were or are created, made, conceived or reduced to practice by me (alone or jointly with others) or under my direction during the period of my employment. I acknowledge that all work performed by me is on a "work for hire" basis, and I hereby do assign and transfer and, to the extent any such assignment cannot be made at present, will assign and transfer, to the Company (which, for purposes of this sentence, shall be my employing entity unless otherwise specified by such entity) and its successors and assigns all my right, title and interest in and to all Developments that (a) relate to the business of the Company or its subsidiaries or other affiliates or any customer of, supplier to or business partner of the Company or its subsidiaries or other affiliates or any of the products or services that have been, are being or will be researched, developed, manufactured or sold by the Company or its subsidiaries or other affiliates or which may be used with such products or services; or (b) result from tasks assigned to me by the Company or its subsidiaries or other affiliates; or (c) result from the use of premises or personal property (whether tangible or intangible) owned, leased or contracted for by the Company or its subsidiaries or other affiliates ("Company-Related Developments"), and all related patents, patent applications, trademarks and trademark applications, copyrights and copyright applications, *sui generis* database rights and other intellectual property rights in all countries and territories worldwide and under any international conventions ("Intellectual Property Rights").

To preclude any possible uncertainty, if there are any Developments that I have, alone or jointly with others, conceived, developed or reduced to practice prior to the commencement of my employment with the Company that I consider to be my property or the property of third parties and that I wish to have excluded from the scope of this Agreement ("Prior Inventions"), I have set forth on Exhibit A attached hereto a complete list of those Prior Inventions. If disclosure of any such Prior Invention would cause me to violate any prior confidentiality agreement, I understand that I am not to list such Prior Inventions in Exhibit A but am only to disclose a cursory name for each such invention, a listing of the party(ies) to whom it belongs and the fact that full disclosure as to such inventions has not been made for that reason. If there are any patents or patent applications in which I am named as an inventor, other than those that have been assigned to the Company ("Other Patent Rights"), I have also listed those Other Patent Rights on Exhibit A. If no such disclosure is attached, I represent that there are no Prior Inventions or Other Patent Rights. If, in the course of my employment with the Company, I incorporate a Prior Invention into a Company product, process or machine, research or development program, or other work done for the Company, I hereby grant to the Company a nonexclusive, royalty-free, fully paid-up, irrevocable, worldwide license (with the full right to sublicense through multiple tiers) to make, have made, modify, use, sell, offer for sale and import such Prior Invention. Notwithstanding the foregoing, I will not incorporate, or permit to be incorporated, Prior Inventions in any Company-Related Development without the Company's prior written consent.

This Agreement does not obligate me to assign to the Company any Development that, in the sole judgment of the Company, reasonably exercised, is developed entirely on my own time and does not relate to the business efforts or research and development efforts in which, during the period of my employment, the Company actually is engaged or reasonably would be engaged, and does not result from the use of premises or equipment owned or leased by the Company. However, I will also promptly disclose to the Company any such Developments for the purpose of determining whether they qualify for such exclusion. I understand that to the extent this Agreement is required to be construed in accordance with the laws of any state which precludes a requirement in an employee agreement to assign certain classes of inventions made by an employee, this Section 5 will be interpreted not to apply to any invention that a court rules and/or the Company agrees falls within such classes. I also hereby waive all claims to any moral rights or other special rights that I may have or accrue in any Company-Related Developments.

**6. Documents and Other Materials.** I will keep and maintain adequate and current records of all Proprietary Information and Company-Related Developments developed by me during my employment, which records will be available to and remain the sole property of the Company at all times.

All files, letters, notes, memoranda, reports, records, data, sketches, drawings, notebooks, layouts, charts, quotations and proposals, specification sheets, blueprints, models, prototypes, or other written, photographic or other tangible material containing Proprietary Information, whether created by me or others, which come into my custody or possession, are the exclusive property of the Company to be used by me only in the performance of my duties for the Company. Any property situated on the Company's premises and owned by the Company, including without limitation computers, disks and other storage media, filing cabinets or other work areas, is subject to inspection by the Company at any time with or without notice. In the event of the termination of my employment for any reason, I will deliver to the Company all Company property and equipment in my possession, custody or control, including all

files, letters, notes, memoranda, reports, records, data, sketches, drawings, notebooks, layouts, charts, quotations and proposals, specification sheets, blueprints, models, prototypes, or other written, photographic or other tangible material containing Proprietary Information, and other materials of any nature pertaining to the Proprietary Information of the Company and to my work, and will not take or keep in my possession any of the foregoing or any copies.

**7. Enforcement of Intellectual Property Rights.** I will cooperate fully with the Company, both during and after my employment with the Company, with respect to the procurement, maintenance and enforcement of Intellectual Property Rights in Company-Related Developments. I will sign, both during and after my employment, all papers, including without limitation copyright applications, patent applications, declarations, oaths, assignments of priority rights, and powers of attorney, which the Company may deem necessary or desirable in order to protect its rights and interests in any Company-Related Development or Intellectual Property Rights therein. If the Company is unable, after reasonable effort, to secure my signature on any such papers, I hereby irrevocably designate and appoint each officer of the Company as my agent and attorney-in-fact to execute any such papers on my behalf, and to take any and all actions as the Company may deem necessary or desirable in order to protect its rights and interests in any Company-Related Development, including any Intellectual Property Rights therein.

**8. Nonsolicitation and Noncompetition.**

In order to protect the Company's Proprietary Information and goodwill, during my employment and for a period of (i) one (1) year following the date of the cessation of my employment with the Company (the "Last Date of Employment") or such shorter period as the Company designates in writing to me in connection with the ending of my employment relationship, or (ii) two (2) years following the Last Date of Employment if I breach my fiduciary duty to the Company or if I have unlawfully taken, physically or electronically, property belonging to the Company (in either case the "Restricted Period")

(a) I shall not, directly or indirectly, in any manner, other than for the benefit of the Company, solicit or transact any business with any of the customers of the Company. For purposes of this Agreement, customers shall include then current customers to which the Company provided products or services during the twelve months prior to the Last Date of Employment (the "One Year Lookback"), and customer prospects that the Company solicited during the One Year Lookback and that I had significant contact with or learned confidential information about in the course of my employment.

(b) I shall not, directly or indirectly, in any manner, solicit, entice or attempt to persuade any employee or consultant of the Company to leave the Company for any reason or otherwise participate in or facilitate the hire, directly or through another entity, of any person who is then employed or engaged by the Company.

(c) Unless (i) the Company terminates my employment without Cause (as defined below) or I have been laid off; or (ii) the Company waives the restrictions upon post-employment activities set forth in this Section 8(c), then, the Company shall make garden leave payments to me for the post-employment portion of the Restricted Period at the rate of 50% of the highest annualized base salary paid to me by the Company within the two-year period preceding the last day of my employment ("Garden Leave Pay"), and in exchange, I shall not directly or indirectly, whether as owner, partner, shareholder, director, manager, consultant, agent, employee, co-venturer or otherwise, anywhere in the world, engage or otherwise participate in any business that is, in whole or in part, engaged, or preparing to engage, in the Business (as defined below). I acknowledge that this covenant is necessary because the Company's legitimate business interests cannot be adequately protected solely by the other covenants in this Agreement. I further acknowledge and agree that any payments I receive pursuant to this Section 8(c) shall reduce (and shall not be in addition to) any severance or separation pay that I am otherwise entitled to receive from the Company pursuant to an agreement, plan or otherwise.

For purposes of this Agreement, and notwithstanding anything to the contrary in any other agreement between the Company and me:

"Business" shall mean, as of the Last Date of Employment, the business of the Company as previously or currently conducted, or as planned to be conducted in the future, including, without limitation, the research, manufacturing, development or marketing of small molecule inhibitors targeting genetically defined allosteric mutant oncogenes and the performance of any services related to the foregoing.

“Cause” shall mean a reasonable and good faith basis for the Company to be dissatisfied with my job performance, my conduct or my behavior.

**9. Government Contracts.** I acknowledge that the Company may have from time to time agreements with other persons or with the United States Government or its agencies that impose obligations or restrictions on the Company regarding inventions made during the course of work under such agreements or regarding the confidential nature of such work. I agree to comply with any such obligations or restrictions upon the direction of the Company. In addition to the rights assigned under Section 5, I also assign to the Company (or any of its nominees) all rights that I have or acquired in any Developments, full title to which is required to be in the United States under any contract between the Company and the United States or any of its agencies.

**10. Prior Agreements.** I hereby represent that, except as I have fully disclosed previously in writing to the Company, I am not bound by the terms of any agreement with any previous or current employer or other party to refrain from using or disclosing any trade secret or confidential or proprietary information in the course of my employment with the Company or to refrain from competing, directly or indirectly, with the business of such employer or any other party. I further represent that my performance of all the terms of this Agreement as an employee of the Company does not and will not breach any agreement to keep in confidence proprietary information, knowledge or data acquired by me in confidence or in trust prior to my employment with the Company. I will not disclose to the Company or induce the Company to use any confidential or proprietary information or material belonging to any previous employer or others.

**11. Remedies Upon Breach.** I understand that the restrictions contained in this Agreement are necessary for the protection of the business and goodwill of the Company and I consider them to be reasonable for such purpose. Any breach of this Agreement is likely to cause the Company substantial and irrevocable damage and therefore, in the event of such breach, the Company, in addition to such other remedies which may be available, will be entitled to specific performance and other injunctive relief, without the posting of a bond. I further acknowledge that a court may render an award extending the Restricted Period as one of the remedies in the event of my violation of this Agreement. If I violate this Agreement, in addition to all other remedies available to the Company at law (including, without limitation, the Company’s right to discontinue any payments I may receive pursuant to Section 8(c)), in equity, and under contract, I agree that I am obligated to pay all the Company’s costs of enforcement of this Agreement, including reasonable attorneys’ fees and expenses.

**12. Use of Voice, Image and Likeness.** I give the Company permission to use any and all of my voice, image and likeness, with or without using my name, in connection with the products and/or services of the Company, for the purposes of advertising and promoting such products and/or services and/or the Company, and/or for other purposes deemed appropriate by the Company in its reasonable discretion, except to the extent prohibited by law.

**13. No Employment Obligation.** I understand that this Agreement does not create an obligation on the Company or any other person to continue my employment. I acknowledge that, unless otherwise agreed in a formal written employment agreement signed on behalf of the Company by an authorized officer, my employment with the Company is at will and therefore may be terminated by the Company or me at any time and for any reason, with or without cause.

**14. Survival and Assignment by the Company.** I understand that my obligations under this Agreement will continue in accordance with its express terms regardless of any changes in my title, position, duties, salary, compensation or benefits or other terms and conditions of employment. I further understand that my obligations under this Agreement will continue following the termination of my employment regardless of the manner of such termination and will be binding upon my heirs, executors and administrators. The Company will have the right to assign this Agreement to its affiliates, successors and assigns. I expressly consent to be bound by the provisions of this Agreement for the benefit of the Company or any parent, subsidiary or affiliate to whose employ I may be transferred without the necessity that this Agreement be resigned at the time of such transfer.

**15. Notice of Resignation.** If I elect to resign from my employment with the Company, I agree to provide the Company with written notification of my resignation at least 30 days prior to my intended resignation date. Such notice shall include information in reasonable detail about my post-employment job duties and other business activities, including the name and address of any subsequent employer and/or person or entity with whom or which I intend to engage in business activities during the Restricted Period and the nature of my job duties and other business activities. The Company may elect to waive all or part of the 30-day notice period in its sole discretion, and such waiver shall not result in a termination by the Company for purposes of this Agreement.

**16. Post-Employment Notifications.** During the Restricted Period, I will notify the Company of any change in my address and of each subsequent employment or business activity, including the name and address of my employer or other post-Company employment plans and the nature of my activities.

**17. Disclosures During Restricted Period.** I will provide a copy of this Agreement to any person or entity with whom I may enter into a business relationship, whether as an employee, consultant, partner, coventurer or otherwise, prior to entering into such business relationship during the Restricted Period.

**18. Waiver; Reduction of Restricted Period by Company.** The Company and I acknowledge and agree that the Company's election not to provide me with Garden Leave Pay as set forth in Section 8(c) shall be deemed a waiver of my noncompetition obligations under Section 8(c). Otherwise, no waiver of any of my obligations under this Agreement shall be effective unless made in writing by the Company. The failure of the Company to require my performance of any term or obligation of this Agreement, or the waiver of any breach of this Agreement, shall not prevent the Company's subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach. Notwithstanding anything to the contrary in Section 8, the Company may reduce the length of the Restricted Period by providing written notice to me of such reduction in connection with the ending of my employment relationship.

**19. Severability.** In case any provisions (or portions thereof) contained in this Agreement shall, for any reason, be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect the other provisions of this Agreement, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein. If, moreover, any one or more of the provisions contained in this Agreement shall for any reason be held to be excessively broad as to duration, geographical scope, activity or subject, it shall be construed by limiting and reducing it, so as to be enforceable to the extent compatible with the applicable law as it shall then appear.

**20. Choice of Law and Jurisdiction.** This Agreement will be deemed to be made and entered into in the Commonwealth of Massachusetts, and will in all respects be interpreted, enforced and governed under the laws of the Commonwealth of Massachusetts. I hereby consent to the exclusive jurisdiction of the state and federal courts situated within Massachusetts for purposes of enforcing this Agreement or for any other lawsuit relating to or arising under this Agreement, and I hereby waive any objection that I might have to personal jurisdiction or venue in those courts, provided, however, the Company and I agree that all civil actions relating to Section 8(c) of this Agreement shall be brought in the county of Suffolk and that the superior court or the business litigation session of the superior court shall have exclusive jurisdiction.

**21. Independence of Obligations.** My obligations under this Agreement are independent of any obligation, contractual or otherwise, the Company has to me. The Company's breach of any such obligation shall not be a defense against the enforcement of this Agreement or otherwise limit my obligations under this Agreement.

**22. Protected Disclosures.** I understand that nothing contained in this Agreement limits my ability to communicate with any federal, state or local governmental agency or commission, including to provide documents or other information, without notice to the Company. I also understand that nothing in this Agreement limits my ability to share compensation information concerning myself or others, except that this does not permit me to disclose compensation information concerning others that I obtain because my job responsibilities require or allow access to such information.

**23. Defend Trade Secrets Act of 2016.** I understand that pursuant to the federal Defend Trade Secrets Act of 2016, I shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that (a) is made (i) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (ii) solely for the purpose of reporting or investigating a suspected violation of law; or (b) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal.

**24. Entire Agreement; Amendment.** This Agreement constitutes the entire agreement between the Company and me with respect to the subject matter hereof, and supersedes all prior agreements or understandings, both written and oral, between the Company and me with respect to the subject matter hereof, but does not in any way merge with or supersede any other confidentiality, assignment of inventions or other restrictive covenant agreement or obligation entered into by the Company and me, which agreements and obligations shall supplement, and shall not limit or be limited by, this Agreement. This Agreement may be amended only in a written agreement executed by a duly authorized officer of the Company and me.

I UNDERSTAND THAT THIS AGREEMENT AFFECTS IMPORTANT RIGHTS. BY SIGNING BELOW, I CERTIFY THAT (I) I WAS PROVIDED WITH THIS AGREEMENT AT LEAST TEN (10) BUSINESS DAYS BEFORE THE EFFECTIVE DATE OF THIS AGREEMENT AND (II) I HAVE BEEN ADVISED BY THE COMPANY THAT I HAVE THE RIGHT TO CONSULT WITH COUNSEL PRIOR TO SIGNING THIS AGREEMENT.

I ACKNOWLEDGE AND AGREE THAT THE TERMS OF THIS AGREEMENT SHALL APPLY TO MY ENTIRE SERVICE RELATIONSHIP WITH THE COMPANY, INCLUDING WITHOUT LIMITATION ANY PERIOD OF SERVICE PRIOR TO THE DATE OF MY SIGNATURE BELOW.

IN WITNESS WHEREOF, the undersigned has executed this agreement as a sealed instrument and it shall become effective upon the later of the (i) full execution by both parties; or (ii) ten (10) business days after the Company provided me with notice of this Agreement.

EMPLOYEE

Signed: \_\_\_\_\_

Type or print name: \_\_\_\_\_

Date: \_\_\_\_\_

BLACK DIAMOND THERAPEUTICS, INC.

Signed: \_\_\_\_\_

Type or print name and job title: \_\_\_\_\_

Date: \_\_\_\_\_

**EXHIBIT A**

To: BLACK DIAMOND THERAPEUTICS, INC.

From: \_\_\_\_\_

Date: \_\_\_\_\_

**SUBJECT: Prior Inventions**

The following is a complete list of all inventions or improvements relevant to the subject matter of my employment by the Company that have been made or conceived or first reduced to practice by me alone or jointly with others prior to my engagement by the Company:

No inventions or improvements

See below:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional sheets attached

The following is a list of all patents and patent applications in which I have been named as an inventor:

None

See below:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**EMPLOYMENT AGREEMENT**

This Employment Agreement (“Agreement”) is made between Black Diamond Therapeutics, Inc., a Delaware corporation (the “Company”), and Brent Hatzis-Schoch, J.D. (the “Executive”) and is effective as of the closing of the Company’s first underwritten public offering of its equity securities pursuant to an effective registration statement under the Securities Act of 1933, as amended (the “Effective Date”). Except with respect to the Equity Documents (as defined below), this Agreement supersedes in all respects all prior agreements between the Executive and the Company regarding the subject matter herein, including without limitation (i) the offer letter between the Executive and the Company dated April 24, 2019 (the “Prior Agreement”), and (ii) any other offer letter, employment agreement or severance agreement.

WHEREAS, the Company desires to continue to employ the Executive and the Executive desires to continue to be employed by the Company on the new terms and conditions contained herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Employment.

(a) Term. The Company shall employ the Executive and the Executive shall be employed by the Company pursuant to this Agreement commencing as of the Effective Date and continuing until such employment is terminated in accordance with the provisions hereof (the “Term”). The Executive’s employment with the Company will continue to be “at will,” meaning that the Executive’s employment may be terminated by the Company or the Executive at any time and for any reason subject to the terms of this Agreement.

(b) Position and Duties. The Executive shall serve as the Chief Operating Officer and General Counsel of the Company and shall have such powers and duties as may from time to time be prescribed by the Chief Executive Officer (the “CEO”) or other duly authorized executive. The Executive shall devote the Executive’s full working time and efforts to the business and affairs of the Company. Notwithstanding the foregoing, the Executive may serve on other boards of directors, with the approval of the Board of Directors of the Company (the “Board”), or engage in religious, charitable or other community activities as long as such services and activities are disclosed to the Board and do not interfere with the Executive’s performance of the Executive’s duties to the Company. To the extent applicable, the Executive shall be deemed to have resigned from all officer and board member positions that the Executive holds with the Company or any of its respective subsidiaries and affiliates upon the termination of the Executive’s employment for any reason. The Executive shall execute any documents in reasonable form as may be requested to confirm or effectuate any such resignations.



## 2. Compensation and Related Matters.

(a) Base Salary. The Executive's initial base salary shall be paid at the rate of \$420,000 per year. The Executive's base salary shall be subject to periodic review by the Board or the Compensation Committee of the Board (the "Compensation Committee"). The base salary in effect at any given time is referred to herein as "Base Salary." The Base Salary shall be payable in a manner that is consistent with the Company's usual payroll practices for executive officers.

(b) Incentive Compensation. The Executive shall be eligible to receive cash incentive compensation as determined by the Board or the Compensation Committee from time to time. The Executive's initial target annual incentive compensation shall be 40 percent of the Executive's Base Salary; provided that any incentive compensation awarded with respect to calendar year 2019 will be pro-rated for the number of months in 2019 of full-time employment with the Company. The target annual incentive compensation in effect at any given time is referred to herein as "Target Bonus." The actual amount of the Executive's annual incentive compensation, if any, shall be determined in the sole discretion of the Board or the Compensation Committee, subject to the terms of any applicable incentive compensation plan that may be in effect from time to time. In addition, if the Executive remains employed on the one year anniversary of his commencement of employment, which will be on or around May 22, 2020, the Company will pay him the second and final installment of his signing bonus in the gross amount of \$50,000, less applicable deductions and withholdings, to be paid within 30 days after May 22, 2020. Except as otherwise provided herein, to earn incentive compensation, the Executive must be employed by the Company on the day such incentive compensation is paid.

(c) Expenses. The Executive shall be entitled to receive prompt reimbursement for all reasonable expenses incurred by the Executive during the Term in performing services hereunder, in accordance with the policies and procedures then in effect and established by the Company for its executive officers.

(d) Other Benefits. The Executive shall be eligible to participate in or receive benefits under the Company's employee benefit plans in effect from time to time, subject to the terms of such plans.

(e) Paid Time Off. The Executive shall be entitled to take paid time off in accordance with the Company's applicable paid time off policy for executives, as may be in effect from time to time.

(f) Equity. The equity awards held by the Executive shall continue to be governed by the terms and conditions of the Company's applicable equity incentive plan(s) and the applicable award agreement(s) governing the terms of such equity awards held by the Executive (collectively, the "Equity Documents"); provided, however, and notwithstanding anything to the contrary in the Equity Documents, Section 6(a)(ii) of this Agreement shall apply in the event of a termination by the Company without Cause or by the Executive for Good Reason in either event within the Change in Control Period (as such terms are defined below).

3. Termination. The Executive's employment hereunder may be terminated without any breach of this Agreement under the following circumstances:

(a) Death. The Executive's employment hereunder shall terminate upon death.

(b) Disability. The Company may terminate the Executive's employment if the Executive is disabled and unable to perform the essential functions of the Executive's then existing position or positions under this Agreement with or without reasonable accommodation for a period of 180 days (which need not be consecutive) in any 12-month period. If any question shall arise as to whether during any period the Executive is disabled so as to be unable to perform the essential functions of the Executive's then existing position or positions with or without reasonable accommodation, the Executive may, and at the request of the Company shall, submit to the Company a certification in reasonable detail by a physician selected by the Company to whom the Executive or the Executive's guardian has no reasonable objection as to whether the Executive is so disabled or how long such disability is expected to continue, and such certification shall for the purposes of this Agreement be conclusive of the issue. The Executive shall cooperate with any reasonable request of the physician in connection with such certification. If such question shall arise and the Executive shall fail to submit such certification, the Company's determination of such issue shall be binding on the Executive. Nothing in this Section 3(b) shall be construed to waive the Executive's rights, if any, under existing law including, without limitation, the Family and Medical Leave Act of 1993, 29 U.S.C. §2601 *et seq.* and the Americans with Disabilities Act, 42 U.S.C. §12101 *et seq.*

(c) Termination by Company for Cause. The Company may terminate the Executive's employment hereunder for Cause. For purposes of this Agreement, "Cause" shall mean any of the following:

(i) the willful failure, disregard or refusal by the Executive to perform the Executive's material duties or obligations under this Agreement which, to the extent it is curable by the Executive, is not cured within thirty (30) days after written notice thereof is given to the Executive by the Company;

(ii) any willful, intentional or grossly negligent act by the Executive having the effect of materially injuring (whether financially or otherwise) the business or reputation of the Company or any of its affiliates, including but not limited to, any senior officer, director or executive of the Company or any of its affiliates;

(iii) willful misconduct by the Executive with respect to any of the material duties or obligations of the Executive under this Agreement, including, without limitation, willful insubordination with respect to lawful directions received by the Executive from the Board which, to the extent it is curable by the Executive, is not cured within thirty (30) days after written notice thereof is given to the Executive by the Company;

(iv) the commission by the Executive of acts satisfying the elements of (A) any felony or (B) a misdemeanor involving moral turpitude, deceit, dishonesty or fraud;

(v) the determination, after a reasonable and good-faith investigation by the Company, that the Executive engaged in some form of harassment or discrimination prohibited by law (including, without limitation, age, sex or race harassment or discrimination);

(vi) the Executive's material misappropriation or embezzlement of the property of the Company or its Affiliates (whether or not a misdemeanor or felony);

(vii) material breach by the Executive of any of the provisions of this Agreement, of any Company policy, and/or of the Executive's Restrictive Covenants Agreement (as defined below); or

(viii) the Executive's failure to cooperate with a bona fide internal investigation or an investigation by regulatory or law enforcement authorities, after being instructed by the Company to cooperate, or the willful destruction or failure to preserve documents or other materials known to be relevant to such investigation or the inducement of others to fail to cooperate or to produce documents or other materials in connection with such investigation.

(d) Termination by the Company without Cause. The Company may terminate the Executive's employment hereunder at any time without Cause. Any termination by the Company of the Executive's employment under this Agreement which does not constitute a termination for Cause under Section 3(c) and does not result from the death or disability of the Executive under Section 3(a) or (b) shall be deemed a termination without Cause.

(e) Termination by the Executive. The Executive may terminate employment hereunder at any time for any reason, including but not limited to, Good Reason. For purposes of this Agreement, "Good Reason" shall mean that the Executive has completed all steps of the Good Reason Process (hereinafter defined) following the occurrence of any of the following events without the Executive's consent (each, a "Good Reason Condition"):

(i) a material adverse change in Executive's duties, authority, responsibilities or reporting chain relative to Executive's duties, authority, or responsibilities in effect immediately prior to such change;

(ii) a material diminution in the Executive's Base Salary except for across-the-board salary reductions based on the Company's financial performance similarly affecting all or substantially all senior management employees of the Company;

(iii) a material change in the geographic location at which the Executive provides services to the Company, such that there is an increase of at least thirty (30) miles of driving distance to such location from the Executive's principal residence as of such change; or

(iv) a material breach of this Agreement by the Company.

The “Good Reason Process” consists of the following steps:

- (i) the Executive reasonably determines in good faith that a Good Reason Condition has occurred;
- (ii) the Executive notifies the Company in writing of the first occurrence of the Good Reason Condition within 60 days of the first occurrence of such condition;
- (iii) the Executive cooperates in good faith with the Company’s efforts, for a period of not less than 30 days following such notice (the “Cure Period”), to remedy the Good Reason Condition;
- (iv) notwithstanding such efforts, the Good Reason Condition continues to exist; and
- (v) the Executive terminates employment within 60 days after the end of the Cure Period.

If the Company cures the Good Reason Condition during the Cure Period, Good Reason shall be deemed not to have occurred.

If the Executive’s employment with the Company is terminated for any reason, the Company shall pay or provide to the Executive (or to the Executive’s authorized representative or estate) (i) any Base Salary earned through the Date of Termination; (ii) unpaid expense reimbursements (subject to, and in accordance with, Section 2(c) of this Agreement); and (iii) any vested benefits the Executive may have under any employee benefit plan of the Company through the Date of Termination, which vested benefits shall be paid and/or provided in accordance with the terms of such employee benefit plans (collectively, the “Accrued Obligations”).

#### 4. Notice and Date of Termination.

(a) Notice of Termination. Except for termination as specified in Section 3(a), any termination of the Executive’s employment by the Company or any such termination by the Executive shall be communicated by written Notice of Termination to the other party hereto. For purposes of this Agreement, a “Notice of Termination” shall mean a notice which shall indicate the specific termination provision in this Agreement relied upon.

(b) Date of Termination. “Date of Termination” shall mean: (i) if the Executive’s employment is terminated by death, the date of death; (ii) if the Executive’s employment is terminated on account of disability under Section 3(b) or by the Company for Cause under Section 3(c), the date on which Notice of Termination is given; (iii) if the Executive’s employment is terminated by the Company without Cause under Section 3(d), the date on which a Notice of Termination is given or the date otherwise specified by the Company in the Notice of Termination; (iv) if the Executive’s employment is terminated by the Executive under Section 3(e) other than for Good Reason, 30 days after the date on which a Notice of

Termination is given, and (v) if the Executive's employment is terminated by the Executive under Section 3(e) for Good Reason, the date on which a Notice of Termination is given after the end of the Cure Period. Notwithstanding the foregoing, in the event that the Executive gives a Notice of Termination to the Company, the Company may unilaterally accelerate the Date of Termination and such acceleration shall not result in a termination by the Company for purposes of this Agreement.

**5. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason Outside the Change in Control Period.** If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d), or the Executive terminates employment for Good Reason as provided in Section 3(e), each outside of the Change in Control Period (as defined below), then, in addition to the Accrued Obligations, and subject to (i) the Executive signing a separation agreement and release in a form and manner satisfactory to the Company, which shall include, without limitation, a general release of claims against the Company and all related persons and entities, a reaffirmation of all of the Executive's Continuing Obligations (as defined below), and, in the Company's sole discretion, a one-year post-employment noncompetition agreement, and shall provide that if the Executive breaches any of the Continuing Obligations, all payments of the Severance Amount shall immediately cease (the "Separation Agreement and Release"), and (ii) the Separation Agreement and Release becoming irrevocable, all within 60 days after the Date of Termination (or such shorter period as set forth in the Separation Agreement and Release), which shall include a seven (7) business day revocation period:

(a) the Company shall pay the Executive an amount equal to the sum of (A) 12 months of the Executive's Base Salary plus (B) the Executive's Target Bonus for the then-current year (the "Severance Amount"); provided in the event the Executive is entitled to any payments pursuant to the Restrictive Covenants Agreement, the Severance Amount received in any calendar year will be reduced by the amount the Executive is paid in the same such calendar year pursuant to the Restrictive Covenants Agreement (the "Restrictive Covenants Agreement Setoff"); and

(b) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under the Consolidated Omnibus Budget Reconciliation Act of 1985, as amended ("COBRA"), the Company shall pay to the group health plan provider, the COBRA provider or the Executive a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 12 month anniversary of the Date of Termination; (B) the Executive's eligibility for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's continuation rights under COBRA; provided, however, if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under Section 5, to the extent taxable, shall be paid out in substantially equal installments in accordance with the Company's payroll practice over 12 months commencing within 60 days after the Date of Termination; provided, however, that if the 60-day period begins in one calendar year and ends in a second calendar year, the Severance Amount, to the extent it qualifies as "non-qualified deferred compensation" within the meaning of Section 409A of the Internal Revenue Code of 1986, as amended (the "Code"), shall begin to be paid in the second calendar year by the last day of such 60-day period; provided, further, that the initial payment shall include a catch-up payment to cover amounts retroactive to the day immediately following the Date of Termination. Each payment pursuant to this Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2).

6. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason within the Change in Control Period. The provisions of this Section 6 shall apply in lieu of, and expressly supersede, the provisions of Section 5 if (i) the Executive's employment is terminated either (a) by the Company without Cause as provided in Section 3(d), or (b) by the Executive for Good Reason as provided in Section 3(e), and (ii) the Date of Termination is within 12 months after the occurrence of the first event constituting a Change in Control (such period, the "Change in Control Period"). These provisions shall terminate and be of no further force or effect after a Change in Control Period.

(a) If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d) or the Executive terminates employment for Good Reason as provided in Section 3(e) and in each case the Date of Termination occurs during the Change in Control Period, then, in addition to the Accrued Obligations, and subject to the signing of the Separation Agreement and Release by the Executive and the Separation Agreement and Release becoming fully effective, all within the time frame set forth in the Separation Agreement and Release but in no event more than 60 days after the Date of Termination:

(i) the Company shall pay the Executive a lump sum in cash in an amount equal to 1.0 times the sum of (A) the Executive's then current Base Salary (or the Executive's Base Salary in effect immediately prior to the Change in Control, if higher) plus (B) the Executive's Target Bonus for the then-current year (the "Change in Control Payment"); provided the Change in Control Payment shall be reduced by the amount of the Restrictive Covenants Agreement Setoff, if applicable, paid or to be paid in the same calendar year; and

(ii) notwithstanding anything to the contrary in any applicable option agreement or other stock-based award agreement, all stock options and other stock-based awards held by the Executive (the "Equity Awards") shall immediately accelerate and become fully exercisable or nonforfeitable as of the later of (i) the Date of Termination or (ii) the effective date of the Separation Agreement and Release (the "Accelerated Vesting Date"); *provided* that any termination or forfeiture of the unvested portion of such Equity Awards that would otherwise occur on the Date of Termination in the absence of this Agreement will be delayed until the effective date of the Separation Agreement and Release and will only occur if the vesting pursuant to this subsection does not occur due to the absence of the Separation Agreement and Release becoming fully effective within the time period set forth therein. Notwithstanding the foregoing, no additional vesting of the Equity Awards shall occur during the period between the Executive's Date of Termination and the Accelerated Vesting Date; and

(iii) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under COBRA, the Company shall pay to the group health plan provider, the COBRA provider or the Executive a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 12 month anniversary of the Date of Termination; (B) the Executive's eligibility for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's continuation rights under COBRA; provided, however, if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under this Section 6(a), to the extent taxable, shall be paid or commence to be paid within 60 days after the Date of Termination; provided, however, that if the 60-day period begins in one calendar year and ends in a second calendar year, such payments to the extent they qualify as "non-qualified deferred compensation" within the meaning of Section 409A of the Code, shall be paid or commence to be paid in the second calendar year by the last day of such 60-day period.

(b) Additional Limitation.

(i) Anything in this Agreement to the contrary notwithstanding, in the event that the amount of any compensation, payment or distribution by the Company to or for the benefit of the Executive, whether paid or payable or distributed or distributable pursuant to the terms of this Agreement or otherwise, calculated in a manner consistent with Section 280G of the Code, and the applicable regulations thereunder (the "Aggregate Payments"), would be subject to the excise tax imposed by Section 4999 of the Code, then the Aggregate Payments shall be reduced (but not below zero) so that the sum of all of the Aggregate Payments shall be \$1.00 less than the amount at which the Executive becomes subject to the excise tax imposed by Section 4999 of the Code; provided that such reduction shall only occur if it would result in the Executive receiving a higher After Tax Amount (as defined below) than the Executive would receive if the Aggregate Payments were not subject to such reduction. In such event, the Aggregate Payments shall be reduced in the following order, in each case, in reverse chronological order beginning with the Aggregate Payments that are to be paid the furthest in time from consummation of the transaction that is subject to Section 280G of the Code: (1) cash payments not subject to Section 409A of the Code; (2) cash payments subject to Section 409A of the Code; (3) equity-based payments and acceleration; and (4) non-cash forms of benefits; provided that in the case of all the foregoing Aggregate Payments all amounts or payments that are not subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c) shall be reduced before any amounts that are subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c).

(ii) For purposes of this Section 6(b), the “After Tax Amount” means the amount of the Aggregate Payments less all federal, state, and local income, excise and employment taxes imposed on the Executive as a result of the Executive’s receipt of the Aggregate Payments. For purposes of determining the After Tax Amount, the Executive shall be deemed to pay federal income taxes at the highest marginal rate of federal income taxation applicable to individuals for the calendar year in which the determination is to be made, and state and local income taxes at the highest marginal rates of individual taxation in each applicable state and locality, net of the maximum reduction in federal income taxes which could be obtained from deduction of such state and local taxes.

(iii) The determination as to whether a reduction in the Aggregate Payments shall be made pursuant to Section 6(b)(i) shall be made by a nationally recognized accounting firm selected by the Company (the “Accounting Firm”), which shall provide detailed supporting calculations both to the Company and the Executive within 15 business days of the Date of Termination, if applicable, or at such earlier time as is reasonably requested by the Company or the Executive. Any determination by the Accounting Firm shall be binding upon the Company and the Executive.

(c) Definitions. For purposes of this Section 6, a “Change in Control” shall mean a “Sale Event” as defined in the Black Diamond Therapeutics, Inc. 2019 Stock Option and Incentive Plan, as may be amended from time to time, but only to the extent such Sale Event is also a “change in control event” within the meaning of Section 409A of the Code and the regulations promulgated thereunder.

#### 7. Section 409A.

(a) Anything in this Agreement to the contrary notwithstanding, if at the time of the Executive’s separation from service within the meaning of Section 409A of the Code, the Company determines that the Executive is a “specified employee” within the meaning of Section 409A(a)(2)(B)(i) of the Code, then to the extent any payment or benefit that the Executive becomes entitled to under this Agreement or otherwise on account of the Executive’s separation from service would be considered deferred compensation otherwise subject to the 20 percent additional tax imposed pursuant to Section 409A(a) of the Code as a result of the application of Section 409A(a)(2)(B)(i) of the Code, such payment shall not be payable and such benefit shall not be provided until the date that is the earlier of (A) six months and one day after the Executive’s separation from service, or (B) the Executive’s death. If any such delayed cash payment is otherwise payable on an installment basis, the first payment shall include a catch-up payment covering amounts that would otherwise have been paid during the six-month period but for the application of this provision, and the balance of the installments shall be payable in accordance with their original schedule.



(b) All in-kind benefits provided and expenses eligible for reimbursement under this Agreement shall be provided by the Company or incurred by the Executive during the time periods set forth in this Agreement. All reimbursements shall be paid as soon as administratively practicable, but in no event shall any reimbursement be paid after the last day of the taxable year following the taxable year in which the expense was incurred. The amount of in-kind benefits provided or reimbursable expenses incurred in one taxable year shall not affect the in-kind benefits to be provided or the expenses eligible for reimbursement in any other taxable year (except for any lifetime or other aggregate limitation applicable to medical expenses). Such right to reimbursement or in-kind benefits is not subject to liquidation or exchange for another benefit.

(c) To the extent that any payment or benefit described in this Agreement constitutes “non-qualified deferred compensation” under Section 409A of the Code, and to the extent that such payment or benefit is payable upon the Executive’s termination of employment, then such payments or benefits shall be payable only upon the Executive’s “separation from service.” The determination of whether and when a separation from service has occurred shall be made in accordance with the presumptions set forth in Treasury Regulation Section 1.409A-1(h).

(d) The parties intend that this Agreement will be administered in accordance with Section 409A of the Code. To the extent that any provision of this Agreement is ambiguous as to its compliance with Section 409A of the Code, the provision shall be read in such a manner so that all payments hereunder comply with Section 409A of the Code. Each payment pursuant to this Agreement or the Restrictive Covenants Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2). The parties agree that this Agreement may be amended, as reasonably requested by either party, and as may be necessary to fully comply with Section 409A of the Code and all related rules and regulations in order to preserve the payments and benefits provided hereunder without additional cost to either party.

(e) The Company makes no representation or warranty and shall have no liability to the Executive or any other person if any provisions of this Agreement are determined to constitute deferred compensation subject to Section 409A of the Code but do not satisfy an exemption from, or the conditions of, such Section.

#### 8. Continuing Obligations.

(a) Restrictive Covenants Agreement. As a condition of employment, the Executive is required to enter into the Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement, attached hereto as Exhibit A (the “Restrictive Covenants Agreement”). The Executive acknowledges that the benefits of this Agreement, to which the Executive was not previously entitled, are fair and reasonable consideration independent from the continuation of employment sufficient to support the Restrictive Covenants Agreement. For purposes of this Agreement, the obligations in this Section 8 and those that arise in the Restrictive Covenants Agreement and any other agreement relating to confidentiality, assignment of inventions, or other restrictive covenants shall collectively be referred to as the “Continuing Obligations.”

(b) Third-Party Agreements and Rights. The Executive hereby confirms that the Executive is not bound by the terms of any agreement with any previous employer or other party which restricts in any way the Executive's use or disclosure of information, other than confidentiality restrictions (if any), or the Executive's engagement in any business. The Executive represents to the Company that the Executive's execution of this Agreement, the Executive's employment with the Company and the performance of the Executive's proposed duties for the Company will not violate any obligations the Executive may have to any such previous employer or other party. In the Executive's work for the Company, the Executive will not disclose or make use of any information in violation of any agreements with or rights of any such previous employer or other party, and the Executive will not bring to the premises of the Company any copies or other tangible embodiments of non-public information belonging to or obtained from any such previous employment or other party.

(c) Litigation and Regulatory Cooperation. During and after the Executive's employment, the Executive shall cooperate fully with the Company in (i) the defense or prosecution of any claims or actions now in existence or which may be brought in the future against or on behalf of the Company which relate to events or occurrences that transpired while the Executive was employed by the Company, and (ii) the investigation, whether internal or external, of any matters about which the Company believes the Executive may have knowledge or information. The Executive's full cooperation in connection with such claims, actions or investigations shall include, but not be limited to, being available to meet with counsel to answer questions or to prepare for discovery or trial and to act as a witness on behalf of the Company at mutually convenient times. During and after the Executive's employment, the Executive also shall cooperate fully with the Company in connection with any investigation or review of any federal, state or local regulatory authority as any such investigation or review relates to events or occurrences that transpired while the Executive was employed by the Company. The Company shall reimburse the Executive for any reasonable out-of-pocket expenses incurred in connection with the Executive's performance of obligations pursuant to this Section 8(c).

(d) Relief. The Executive agrees that it would be difficult to measure any damages caused to the Company which might result from any breach by the Executive of the Continuing Obligations, and that in any event money damages would be an inadequate remedy for any such breach. Accordingly, the Executive agrees that if the Executive breaches, or proposes to breach, any portion of the Continuing Obligations, the Company shall be entitled, in addition to all other remedies that it may have, to an injunction or other appropriate equitable relief to restrain any such breach without showing or proving any actual damage to the Company.

(e) Protected Disclosures and Other Protected Action. Nothing in this Agreement shall be interpreted or applied to prohibit the Executive from making any good faith report to any governmental agency or other governmental entity (a "Government Agency") concerning any act or omission that the Executive reasonably believes constitutes a possible violation of federal or state law or making other disclosures that are protected under the anti-retaliation or whistleblower provisions of applicable federal or state law or regulation. In addition, nothing contained in this Agreement limits the Executive's ability to communicate with any Government Agency or otherwise participate in any investigation or proceeding that may be conducted by any Government Agency, including the Executive's ability to provide documents or other information, without notice to the Company. In addition, for the avoidance of doubt, pursuant to the federal Defend Trade Secrets Act of 2016, the Executive shall not be held criminally or civilly liable under any federal or state trade secret law or under this Agreement or

the Restrictive Covenants Agreement for the disclosure of a trade secret that (a) is made (i) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (ii) solely for the purpose of reporting or investigating a suspected violation of law; or (b) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal.

9. Consent to Jurisdiction. The parties hereby consent to the exclusive jurisdiction of the state and federal courts of the Commonwealth of Massachusetts. Accordingly, with respect to any such court action, the Executive (a) submits to the exclusive personal jurisdiction of such courts; (b) consents to service of process; and (c) waives any other requirement (whether imposed by statute, rule of court, or otherwise) with respect to personal jurisdiction or service of process.

10. Integration. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior agreements between the parties concerning such subject matter, including the Prior Agreement, provided that the Equity Documents remain in full force and effect.

11. Withholding; Tax Effect. All payments made by the Company to the Executive under this Agreement shall be net of any tax or other amounts required to be withheld by the Company under applicable law. Nothing in this Agreement shall be construed to require the Company to make any payments to compensate the Executive for any adverse tax effect associated with any payments or benefits or for any deduction or withholding from any payment or benefit.

12. Assignment. Neither the Executive nor the Company may make any assignment of this Agreement or any interest in it, by operation of law or otherwise, without the prior written consent of the other; provided, however, that the Company may assign its rights and obligations under this Agreement (including the Restrictive Covenants Agreement) without the Executive's consent to any affiliate or to any person or entity with whom the Company shall hereafter effect a reorganization, consolidate with, or merge into or to whom it transfers all or substantially all of its properties or assets; provided further that if the Executive remains employed or becomes employed by the Company, the purchaser or any of their affiliates in connection with any such transaction, then the Executive shall not be entitled to any payments, benefits or vesting pursuant to Section 5 or pursuant to Section 6 of this Agreement solely as a result of such transaction. This Agreement shall inure to the benefit of and be binding upon the Executive and the Company, and each of the Executive's and the Company's respective successors, executors, administrators, heirs and permitted assigns. The Company shall obtain an agreement from any successor to assume and agree to perform this Agreement in the same manner and to the same extent that the Company would be required to perform if no succession had taken place, except where such assumption occurs by operation of law.

13. Enforceability. If any portion or provision of this Agreement (including, without limitation, any portion or provision of any section of this Agreement) shall to any extent be declared illegal or unenforceable by a court of competent jurisdiction, then the remainder of this Agreement, or the application of such portion or provision in circumstances other than those as to which it is so declared illegal or unenforceable, shall not be affected thereby, and each portion and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

14. Survival. The provisions of this Agreement shall survive the termination of this Agreement and/or the termination of the Executive's employment to the extent necessary to effectuate the terms contained herein.

15. Waiver. No waiver of any provision hereof shall be effective unless made in writing and signed by the waiving party. The failure of any party to require the performance of any term or obligation of this Agreement, or the waiver by any party of any breach of this Agreement, shall not prevent any subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach.

16. Notices. Any notices, requests, demands and other communications provided for by this Agreement shall be sufficient if in writing and delivered in person or sent by a nationally recognized overnight courier service or by registered or certified mail, postage prepaid, return receipt requested, to the Executive at the last address the Executive has filed in writing with the Company or, in the case of the Company, at its main offices, attention of the Board.

17. Amendment. This Agreement may be amended or modified only by a written instrument signed by the Executive and by a duly authorized representative of the Company.

18. Effect on Other Plans and Agreements. An election by the Executive to resign for Good Reason under the provisions of this Agreement shall not be deemed a voluntary termination of employment by the Executive for the purpose of interpreting the provisions of any of the Company's benefit plans, programs or policies. Nothing in this Agreement shall be construed to limit the rights of the Executive under the Company's benefit plans, programs or policies except as otherwise provided in Section 8 hereof, and except that the Executive shall have no rights to any severance benefits under any Company severance pay plan, offer letter or otherwise. Except for the Restrictive Covenants Agreement, in the event that the Executive is party to an agreement with the Company providing for payments or benefits under such plan or agreement and under this Agreement, the terms of this Agreement shall govern and the Executive may receive payment under this Agreement only and not both. Further, Section 5 and Section 6 of this Agreement are mutually exclusive and in no event shall the Executive be entitled to payments or benefits pursuant to both Section 5 and Section 6 of this Agreement.

19. Governing Law. This is a Massachusetts contract and shall be construed under and be governed in all respects by the laws of the Commonwealth of Massachusetts, without giving effect to the conflict of laws principles thereof. With respect to any disputes concerning federal law, such disputes shall be determined in accordance with the law as it would be interpreted and applied by the United States Court of Appeals for the First Circuit.

20. Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be taken to be an original; but such counterparts shall together constitute one and the same document.

IN WITNESS WHEREOF, the parties have executed this Agreement effective on the Effective Date.

**BLACK DIAMOND THERAPEUTICS, INC.**

By: /s/ David Epstein

Its: President & CEO

**EXECUTIVE**

/s/ Brent Hatzis-Schoch

Brent Hatzis-Schoch, J.D.

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**Exhibit A**

**Restrictive Covenants Agreement**

**Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement**

In consideration and as a condition of my employment by Black Diamond Therapeutics, Inc. (including its subsidiaries and other affiliates and its and their successors and assigns, the “Company”), and in exchange for, among other things, the enhanced benefits provided in the Employment Agreement to which this Agreement is appended, which I acknowledge and agree is fair and reasonable consideration which is independent from the continuation of my employment, I enter into this Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement (the “Agreement”) and agree as follows:

**1. Proprietary Information.** I agree that all information, whether or not in writing, concerning the Company’s business, technology, business relationships or financial affairs that the Company has not released to the general public (collectively, “Proprietary Information”) and all tangible embodiments thereof are and will be the exclusive property of the Company. By way of illustration, Proprietary Information may include information or material that has not been made generally available to the public, such as: (a) *corporate information*, including plans, strategies, methods, policies, resolutions, negotiations or litigation; (b) *marketing information*, including strategies, methods, customer or business partner identities or other information about customers, business partners, prospect identities or other information about prospects, or market analyses or projections; (c) *financial information*, including cost and performance data, debt arrangements, equity structure, investors and holdings, purchasing and sales data and price lists; (d) *operational, technological and scientific information*, including plans, specifications, manuals, forms, templates, software, pre-clinical and clinical testing data and strategies, research and development strategies, designs, methods, procedures, formulae, data, reports, discoveries, inventions, improvements, concepts, ideas, and other Developments (as defined below), know-how and trade secrets; and (e) *personnel information*, including personnel lists, reporting or organizational structure, resumes, personnel data, performance evaluations and termination arrangements or documents. Proprietary Information also includes information received in confidence by the Company from its customers, suppliers, business partners or other third parties.

**2. Recognition of Company’s Rights.** I will not, at any time, without the Company’s prior written permission, either during or after my employment, disclose any Proprietary Information to anyone outside of the Company, or use or permit to be used any Proprietary Information for any purpose other than the performance of my duties as an employee of the Company. I will cooperate with the Company and use my best efforts to prevent the unauthorized disclosure of all Proprietary Information. I will deliver to the Company all copies and other tangible embodiments of Proprietary Information in my possession or control upon the earlier of a request by the Company or termination of my employment.

**3. Rights of Others.** I understand that the Company is now and may hereafter be subject to nondisclosure or confidentiality agreements with third persons that require the Company to protect or refrain from use or disclosure of proprietary information. I agree to be bound by the terms of such agreements in the event I have access to such proprietary information. I understand that the Company strictly prohibits me from using or disclosing confidential or proprietary information belonging to any other person or entity (including any employer or former employer), in connection with my employment. In addition, I agree not to bring any confidential information belonging to any other person or entity onto Company premises or into Company workspaces.

**4. Commitment to Company; Avoidance of Conflict of Interest.** While an employee of the Company, I will devote my full-time efforts to the Company’s business and I will not, directly or indirectly, engage in any other business activity, except as expressly authorized in writing and in advance by a duly authorized representative of the Company. I will advise an authorized officer of the Company or his or her designee at such time as any activity of either the Company or another business presents me with a conflict of interest or the appearance of a conflict of interest as an employee of the Company. I will take whatever action is requested of me by the Company to resolve any conflict or appearance of conflict which it finds to exist.

**5. Developments.** I have made and will make full and prompt disclosure to the Company of all inventions, discoveries, designs, developments, methods, modifications, improvements, processes, algorithms, data, databases, computer programs, research, formulae, techniques, trade secrets, graphics or images, and audio or visual works and other works of authorship, and other intellectual property, including works-in-process (collectively “Developments”)

whether or not patentable or copyrightable, that were or are created, made, conceived or reduced to practice by me (alone or jointly with others) or under my direction during the period of my employment. I acknowledge that all work performed by me is on a "work for hire" basis, and I hereby do assign and transfer and, to the extent any such assignment cannot be made at present, will assign and transfer, to the Company (which, for purposes of this sentence, shall be my employing entity unless otherwise specified by such entity) and its successors and assigns all my right, title and interest in and to all Developments that (a) relate to the business of the Company or its subsidiaries or other affiliates or any customer of, supplier to or business partner of the Company or its subsidiaries or other affiliates or any of the products or services that have been, are being or will be researched, developed, manufactured or sold by the Company or its subsidiaries or other affiliates or which may be used with such products or services; or (b) result from tasks assigned to me by the Company or its subsidiaries or other affiliates; or (c) result from the use of premises or personal property (whether tangible or intangible) owned, leased or contracted for by the Company or its subsidiaries or other affiliates ("Company-Related Developments"), and all related patents, patent applications, trademarks and trademark applications, copyrights and copyright applications, *sui generis* database rights and other intellectual property rights in all countries and territories worldwide and under any international conventions ("Intellectual Property Rights").

To preclude any possible uncertainty, if there are any Developments that I have, alone or jointly with others, conceived, developed or reduced to practice prior to the commencement of my employment with the Company that I consider to be my property or the property of third parties and that I wish to have excluded from the scope of this Agreement ("Prior Inventions"), I have set forth on Exhibit A attached hereto a complete list of those Prior Inventions. If disclosure of any such Prior Invention would cause me to violate any prior confidentiality agreement, I understand that I am not to list such Prior Inventions in Exhibit A but am only to disclose a cursory name for each such invention, a listing of the party(ies) to whom it belongs and the fact that full disclosure as to such inventions has not been made for that reason. If there are any patents or patent applications in which I am named as an inventor, other than those that have been assigned to the Company ("Other Patent Rights"), I have also listed those Other Patent Rights on Exhibit A. If no such disclosure is attached, I represent that there are no Prior Inventions or Other Patent Rights. If, in the course of my employment with the Company, I incorporate a Prior Invention into a Company product, process or machine, research or development program, or other work done for the Company, I hereby grant to the Company a nonexclusive, royalty-free, fully paid-up, irrevocable, worldwide license (with the full right to sublicense through multiple tiers) to make, have made, modify, use, sell, offer for sale and import such Prior Invention. Notwithstanding the foregoing, I will not incorporate, or permit to be incorporated, Prior Inventions in any Company-Related Development without the Company's prior written consent.

This Agreement does not obligate me to assign to the Company any Development that, in the sole judgment of the Company, reasonably exercised, is developed entirely on my own time and does not relate to the business efforts or research and development efforts in which, during the period of my employment, the Company actually is engaged or reasonably would be engaged, and does not result from the use of premises or equipment owned or leased by the Company. However, I will also promptly disclose to the Company any such Developments for the purpose of determining whether they qualify for such exclusion. I understand that to the extent this Agreement is required to be construed in accordance with the laws of any state which precludes a requirement in an employee agreement to assign certain classes of inventions made by an employee, this Section 5 will be interpreted not to apply to any invention that a court rules and/or the Company agrees falls within such classes. I also hereby waive all claims to any moral rights or other special rights that I may have or accrue in any Company-Related Developments.

**6. Documents and Other Materials.** I will keep and maintain adequate and current records of all Proprietary Information and Company-Related Developments developed by me during my employment, which records will be available to and remain the sole property of the Company at all times.

All files, letters, notes, memoranda, reports, records, data, sketches, drawings, notebooks, layouts, charts, quotations and proposals, specification sheets, blueprints, models, prototypes, or other written, photographic or other tangible material containing Proprietary Information, whether created by me or others, which come into my custody or possession, are the exclusive property of the Company to be used by me only in the performance of my duties for the Company. Any property situated on the Company's premises and owned by the Company, including without limitation computers, disks and other storage media, filing cabinets or other work areas, is subject to inspection by the Company at any time with or without notice. In the event of the termination of my employment for any reason, I will deliver to the Company all Company property and equipment in my possession, custody or control, including all



files, letters, notes, memoranda, reports, records, data, sketches, drawings, notebooks, layouts, charts, quotations and proposals, specification sheets, blueprints, models, prototypes, or other written, photographic or other tangible material containing Proprietary Information, and other materials of any nature pertaining to the Proprietary Information of the Company and to my work, and will not take or keep in my possession any of the foregoing or any copies.

**7. Enforcement of Intellectual Property Rights.** I will cooperate fully with the Company, both during and after my employment with the Company, with respect to the procurement, maintenance and enforcement of Intellectual Property Rights in Company-Related Developments. I will sign, both during and after my employment, all papers, including without limitation copyright applications, patent applications, declarations, oaths, assignments of priority rights, and powers of attorney, which the Company may deem necessary or desirable in order to protect its rights and interests in any Company-Related Development or Intellectual Property Rights therein. If the Company is unable, after reasonable effort, to secure my signature on any such papers, I hereby irrevocably designate and appoint each officer of the Company as my agent and attorney-in-fact to execute any such papers on my behalf, and to take any and all actions as the Company may deem necessary or desirable in order to protect its rights and interests in any Company-Related Development, including any Intellectual Property Rights therein.

**8. Nonsolicitation and Noncompetition.**

In order to protect the Company's Proprietary Information and goodwill, during my employment and for a period of (i) one (1) year following the date of the cessation of my employment with the Company (the "Last Date of Employment") or such shorter period as the Company designates in writing to me in connection with the ending of my employment relationship, or (ii) two (2) years following the Last Date of Employment if I breach my fiduciary duty to the Company or if I have unlawfully taken, physically or electronically, property belonging to the Company (in either case the "Restricted Period")

(a) I shall not, directly or indirectly, in any manner, other than for the benefit of the Company, solicit or transact any business with any of the customers of the Company. For purposes of this Agreement, customers shall include then current customers to which the Company provided products or services during the twelve months prior to the Last Date of Employment (the "One Year Lookback"), and customer prospects that the Company solicited during the One Year Lookback and that I had significant contact with or learned confidential information about in the course of my employment.

(b) I shall not, directly or indirectly, in any manner, solicit, entice or attempt to persuade any employee or consultant of the Company to leave the Company for any reason or otherwise participate in or facilitate the hire, directly or through another entity, of any person who is then employed or engaged by the Company.

(c) Unless (i) the Company terminates my employment without Cause (as defined below) or I have been laid off; or (ii) the Company waives the restrictions upon post-employment activities set forth in this Section 8(c), then, the Company shall make garden leave payments to me for the post-employment portion of the Restricted Period at the rate of 50% of the highest annualized base salary paid to me by the Company within the two-year period preceding the last day of my employment ("Garden Leave Pay"), and in exchange, I shall not directly or indirectly, whether as owner, partner, shareholder, director, manager, consultant, agent, employee, co-venturer or otherwise, anywhere in the world, engage or otherwise participate in any business that is, in whole or in part, engaged, or preparing to engage, in the Business (as defined below). I acknowledge that this covenant is necessary because the Company's legitimate business interests cannot be adequately protected solely by the other covenants in this Agreement. I further acknowledge and agree that any payments I receive pursuant to this Section 8(c) shall reduce (and shall not be in addition to) any severance or separation pay that I am otherwise entitled to receive from the Company pursuant to an agreement, plan or otherwise.

For purposes of this Agreement, and notwithstanding anything to the contrary in any other agreement between the Company and me:

"Business" shall mean, as of the Last Date of Employment, the business of the Company as previously or currently conducted, or as planned to be conducted in the future, including, without limitation, the research, manufacturing, development or marketing of small molecule inhibitors targeting genetically defined allosteric mutant oncogenes and the performance of any services related to the foregoing.

“Cause” shall mean a reasonable and good faith basis for the Company to be dissatisfied with my job performance, my conduct or my behavior.

**9. Government Contracts.** I acknowledge that the Company may have from time to time agreements with other persons or with the United States Government or its agencies that impose obligations or restrictions on the Company regarding inventions made during the course of work under such agreements or regarding the confidential nature of such work. I agree to comply with any such obligations or restrictions upon the direction of the Company. In addition to the rights assigned under Section 5, I also assign to the Company (or any of its nominees) all rights that I have or acquired in any Developments, full title to which is required to be in the United States under any contract between the Company and the United States or any of its agencies.

**10. Prior Agreements.** I hereby represent that, except as I have fully disclosed previously in writing to the Company, I am not bound by the terms of any agreement with any previous or current employer or other party to refrain from using or disclosing any trade secret or confidential or proprietary information in the course of my employment with the Company or to refrain from competing, directly or indirectly, with the business of such employer or any other party. I further represent that my performance of all the terms of this Agreement as an employee of the Company does not and will not breach any agreement to keep in confidence proprietary information, knowledge or data acquired by me in confidence or in trust prior to my employment with the Company. I will not disclose to the Company or induce the Company to use any confidential or proprietary information or material belonging to any previous employer or others.

**11. Remedies Upon Breach.** I understand that the restrictions contained in this Agreement are necessary for the protection of the business and goodwill of the Company and I consider them to be reasonable for such purpose. Any breach of this Agreement is likely to cause the Company substantial and irrevocable damage and therefore, in the event of such breach, the Company, in addition to such other remedies which may be available, will be entitled to specific performance and other injunctive relief, without the posting of a bond. I further acknowledge that a court may render an award extending the Restricted Period as one of the remedies in the event of my violation of this Agreement. If I violate this Agreement, in addition to all other remedies available to the Company at law (including, without limitation, the Company’s right to discontinue any payments I may receive pursuant to Section 8(c)), in equity, and under contract, I agree that I am obligated to pay all the Company’s costs of enforcement of this Agreement, including reasonable attorneys’ fees and expenses.

**12. Use of Voice, Image and Likeness.** I give the Company permission to use any and all of my voice, image and likeness, with or without using my name, in connection with the products and/or services of the Company, for the purposes of advertising and promoting such products and/or services and/or the Company, and/or for other purposes deemed appropriate by the Company in its reasonable discretion, except to the extent prohibited by law.

**13. No Employment Obligation.** I understand that this Agreement does not create an obligation on the Company or any other person to continue my employment. I acknowledge that, unless otherwise agreed in a formal written employment agreement signed on behalf of the Company by an authorized officer, my employment with the Company is at will and therefore may be terminated by the Company or me at any time and for any reason, with or without cause.

**14. Survival and Assignment by the Company.** I understand that my obligations under this Agreement will continue in accordance with its express terms regardless of any changes in my title, position, duties, salary, compensation or benefits or other terms and conditions of employment. I further understand that my obligations under this Agreement will continue following the termination of my employment regardless of the manner of such termination and will be binding upon my heirs, executors and administrators. The Company will have the right to assign this Agreement to its affiliates, successors and assigns. I expressly consent to be bound by the provisions of this Agreement for the benefit of the Company or any parent, subsidiary or affiliate to whose employ I may be transferred without the necessity that this Agreement be resigned at the time of such transfer.

**15. Notice of Resignation.** If I elect to resign from my employment with the Company, I agree to provide the Company with written notification of my resignation at least 30 days prior to my intended resignation date. Such notice shall include information in reasonable detail about my post-employment job duties and other business activities, including the name and address of any subsequent employer and/or person or entity with whom or which I intend to engage in business activities during the Restricted Period and the nature of my job duties and other business activities. The Company may elect to waive all or part of the 30-day notice period in its sole discretion, and such waiver shall not result in a termination by the Company for purposes of this Agreement.

**16. Post-Employment Notifications.** During the Restricted Period, I will notify the Company of any change in my address and of each subsequent employment or business activity, including the name and address of my employer or other post-Company employment plans and the nature of my activities.

**17. Disclosures During Restricted Period.** I will provide a copy of this Agreement to any person or entity with whom I may enter into a business relationship, whether as an employee, consultant, partner, coventurer or otherwise, prior to entering into such business relationship during the Restricted Period.

**18. Waiver; Reduction of Restricted Period by Company.** The Company and I acknowledge and agree that the Company's election not to provide me with Garden Leave Pay as set forth in Section 8(c) shall be deemed a waiver of my noncompetition obligations under Section 8(c). Otherwise, no waiver of any of my obligations under this Agreement shall be effective unless made in writing by the Company. The failure of the Company to require my performance of any term or obligation of this Agreement, or the waiver of any breach of this Agreement, shall not prevent the Company's subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach. Notwithstanding anything to the contrary in Section 8, the Company may reduce the length of the Restricted Period by providing written notice to me of such reduction in connection with the ending of my employment relationship.

**19. Severability.** In case any provisions (or portions thereof) contained in this Agreement shall, for any reason, be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect the other provisions of this Agreement, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein. If, moreover, any one or more of the provisions contained in this Agreement shall for any reason be held to be excessively broad as to duration, geographical scope, activity or subject, it shall be construed by limiting and reducing it, so as to be enforceable to the extent compatible with the applicable law as it shall then appear.

**20. Choice of Law and Jurisdiction.** This Agreement will be deemed to be made and entered into in the Commonwealth of Massachusetts, and will in all respects be interpreted, enforced and governed under the laws of the Commonwealth of Massachusetts. I hereby consent to the exclusive jurisdiction of the state and federal courts situated within Massachusetts for purposes of enforcing this Agreement or for any other lawsuit relating to or arising under this Agreement, and I hereby waive any objection that I might have to personal jurisdiction or venue in those courts, provided, however, the Company and I agree that all civil actions relating to Section 8(c) of this Agreement shall be brought in the county of Suffolk and that the superior court or the business litigation session of the superior court shall have exclusive jurisdiction.

**21. Independence of Obligations.** My obligations under this Agreement are independent of any obligation, contractual or otherwise, the Company has to me. The Company's breach of any such obligation shall not be a defense against the enforcement of this Agreement or otherwise limit my obligations under this Agreement.

**22. Protected Disclosures.** I understand that nothing contained in this Agreement limits my ability to communicate with any federal, state or local governmental agency or commission, including to provide documents or other information, without notice to the Company. I also understand that nothing in this Agreement limits my ability to share compensation information concerning myself or others, except that this does not permit me to disclose compensation information concerning others that I obtain because my job responsibilities require or allow access to such information.

**23. Defend Trade Secrets Act of 2016.** I understand that pursuant to the federal Defend Trade Secrets Act of 2016, I shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that (a) is made (i) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (ii) solely for the purpose of reporting or investigating a suspected violation of law; or (b) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal.

**24. Entire Agreement; Amendment.** This Agreement constitutes the entire agreement between the Company and me with respect to the subject matter hereof, and supersedes all prior agreements or understandings, both written and oral, between the Company and me with respect to the subject matter hereof, but does not in any way merge with or supersede any other confidentiality, assignment of inventions or other restrictive covenant agreement or obligation entered into by the Company and me, which agreements and obligations shall supplement, and shall not limit or be limited by, this Agreement. This Agreement may be amended only in a written agreement executed by a duly authorized officer of the Company and me.

I UNDERSTAND THAT THIS AGREEMENT AFFECTS IMPORTANT RIGHTS. BY SIGNING BELOW, I CERTIFY THAT (I) I WAS PROVIDED WITH THIS AGREEMENT AT LEAST TEN (10) BUSINESS DAYS BEFORE THE EFFECTIVE DATE OF THIS AGREEMENT AND (II) I HAVE BEEN ADVISED BY THE COMPANY THAT I HAVE THE RIGHT TO CONSULT WITH COUNSEL PRIOR TO SIGNING THIS AGREEMENT.

I ACKNOWLEDGE AND AGREE THAT THE TERMS OF THIS AGREEMENT SHALL APPLY TO MY ENTIRE SERVICE RELATIONSHIP WITH THE COMPANY, INCLUDING WITHOUT LIMITATION ANY PERIOD OF SERVICE PRIOR TO THE DATE OF MY SIGNATURE BELOW.

IN WITNESS WHEREOF, the undersigned has executed this agreement as a sealed instrument and it shall become effective upon the later of the (i) full execution by both parties; or (ii) ten (10) business days after the Company provided me with notice of this Agreement.

EMPLOYEE

Signed: \_\_\_\_\_

Type or print name: \_\_\_\_\_

Date: \_\_\_\_\_

BLACK DIAMOND THERAPEUTICS, INC.

Signed: \_\_\_\_\_

Type or print name and job title: \_\_\_\_\_

Date: \_\_\_\_\_

**EXHIBIT A**

To: BLACK DIAMOND THERAPEUTICS, INC.

From: \_\_\_\_\_

Date: \_\_\_\_\_

**SUBJECT: Prior Inventions**

The following is a complete list of all inventions or improvements relevant to the subject matter of my employment by the Company that have been made or conceived or first reduced to practice by me alone or jointly with others prior to my engagement by the Company:

No inventions or improvements

See below:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional sheets attached

The following is a list of all patents and patent applications in which I have been named as an inventor:

None

See below:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## EMPLOYMENT AGREEMENT

This Employment Agreement (“Agreement”) is made between Black Diamond Therapeutics, Inc., a Delaware corporation (the “Company”), and Thomas Leggett (the “Executive”) and is effective as of the closing of the Company’s first underwritten public offering of its equity securities pursuant to an effective registration statement under the Securities Act of 1933, as amended (the “Effective Date”). Except with respect to the Equity Documents (as defined below), this Agreement supersedes in all respects all prior agreements between the Executive and the Company regarding the subject matter herein, including without limitation (i) the offer letter between the Executive and the Company dated August 15, 2019 (the “Prior Agreement”), and (ii) any other offer letter, employment agreement or severance agreement.

WHEREAS, the Company desires to continue to employ the Executive and the Executive desires to continue to be employed by the Company on the new terms and conditions contained herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

### 1. Employment.

(a) Term. The Company shall employ the Executive and the Executive shall be employed by the Company pursuant to this Agreement commencing as of the Effective Date and continuing until such employment is terminated in accordance with the provisions hereof (the “Term”). The Executive’s employment with the Company will continue to be “at will,” meaning that the Executive’s employment may be terminated by the Company or the Executive at any time and for any reason subject to the terms of this Agreement.

(b) Position and Duties. The Executive shall serve as the Chief Financial Officer of the Company and shall have such powers and duties as may from time to time be prescribed by the Chief Executive Officer (the “CEO”) or other duly authorized executive. The Executive shall devote the Executive’s full working time and efforts to the business and affairs of the Company. Notwithstanding the foregoing, the Executive may serve on other boards of directors, with the approval of the Board of Directors of the Company (the “Board”), or engage in religious, charitable or other community activities as long as such services and activities are disclosed to the Board and do not interfere with the Executive’s performance of the Executive’s duties to the Company. To the extent applicable, the Executive shall be deemed to have resigned from all officer and board member positions that the Executive holds with the Company or any of its respective subsidiaries and affiliates upon the termination of the Executive’s employment for any reason. The Executive shall execute any documents in reasonable form as may be requested to confirm or effectuate any such resignations.

## 2. Compensation and Related Matters.

(a) Base Salary. The Executive's initial base salary shall be paid at the rate of \$390,000 per year. The Executive's base salary shall be subject to periodic review by the Board or the Compensation Committee of the Board (the "Compensation Committee"). The base salary in effect at any given time is referred to herein as "Base Salary." The Base Salary shall be payable in a manner that is consistent with the Company's usual payroll practices for executive officers.

(b) Incentive Compensation. The Executive shall be eligible to receive cash incentive compensation as determined by the Board or the Compensation Committee from time to time. The Executive's initial target annual incentive compensation shall be 40 percent of the Executive's Base Salary; provided that any incentive compensation awarded with respect to calendar year 2019 will be pro-rated for the number of months in 2019 of full-time employment with the Company. The target annual incentive compensation in effect at any given time is referred to herein as "Target Bonus." The actual amount of the Executive's annual incentive compensation, if any, shall be determined in the sole discretion of the Board or the Compensation Committee, subject to the terms of any applicable incentive compensation plan that may be in effect from time to time. In addition, if the Executive remains employed on the one year anniversary of his commencement of employment, which will be on or around September 5, 2020, the Company will pay him the second and final installment of his signing bonus in the gross amount of \$62,500, less applicable deductions and withholdings, to be paid within 30 days after September 5, 2020. Except as otherwise provided herein, to earn incentive compensation, the Executive must be employed by the Company on the day such incentive compensation is paid.

(c) Expenses. The Executive shall be entitled to receive prompt reimbursement for all reasonable expenses incurred by the Executive during the Term in performing services hereunder, in accordance with the policies and procedures then in effect and established by the Company for its executive officers.

(d) Other Benefits. The Executive shall be eligible to participate in or receive benefits under the Company's employee benefit plans in effect from time to time, subject to the terms of such plans.

(e) Paid Time Off. The Executive shall be entitled to take paid time off in accordance with the Company's applicable paid time off policy for executives, as may be in effect from time to time.

(f) Equity. The equity awards held by the Executive shall continue to be governed by the terms and conditions of the Company's applicable equity incentive plan(s) and the applicable award agreement(s) governing the terms of such equity awards held by the Executive (collectively, the "Equity Documents"); provided, however, and notwithstanding anything to the contrary in the Equity Documents, Section 6(a)(ii) of this Agreement shall apply in the event of a termination by the Company without Cause or by the Executive for Good Reason in either event within the Change in Control Period (as such terms are defined below).



3. Termination. The Executive's employment hereunder may be terminated without any breach of this Agreement under the following circumstances:

(a) Death. The Executive's employment hereunder shall terminate upon death.

(b) Disability. The Company may terminate the Executive's employment if the Executive is disabled and unable to perform the essential functions of the Executive's then existing position or positions under this Agreement with or without reasonable accommodation for a period of 180 days (which need not be consecutive) in any 12-month period. If any question shall arise as to whether during any period the Executive is disabled so as to be unable to perform the essential functions of the Executive's then existing position or positions with or without reasonable accommodation, the Executive may, and at the request of the Company shall, submit to the Company a certification in reasonable detail by a physician selected by the Company to whom the Executive or the Executive's guardian has no reasonable objection as to whether the Executive is so disabled or how long such disability is expected to continue, and such certification shall for the purposes of this Agreement be conclusive of the issue. The Executive shall cooperate with any reasonable request of the physician in connection with such certification. If such question shall arise and the Executive shall fail to submit such certification, the Company's determination of such issue shall be binding on the Executive. Nothing in this Section 3(b) shall be construed to waive the Executive's rights, if any, under existing law including, without limitation, the Family and Medical Leave Act of 1993, 29 U.S.C. §2601 *et seq.* and the Americans with Disabilities Act, 42 U.S.C. §12101 *et seq.*

(c) Termination by Company for Cause. The Company may terminate the Executive's employment hereunder for Cause. For purposes of this Agreement, "Cause" shall mean any of the following:

(i) the willful failure, disregard or refusal by the Executive to perform the Executive's material duties or obligations under this Agreement which, to the extent it is curable by the Executive, is not cured within thirty (30) days after written notice thereof is given to the Executive by the Company;

(ii) any willful, intentional or grossly negligent act by the Executive having the effect of materially injuring (whether financially or otherwise) the business or reputation of the Company or any of its affiliates, including but not limited to, any senior officer, director or executive of the Company or any of its affiliates;

(iii) willful misconduct by the Executive with respect to any of the material duties or obligations of the Executive under this Agreement, including, without limitation, willful insubordination with respect to lawful directions received by the Executive from the Board which, to the extent it is curable by the Executive, is not cured within thirty (30) days after written notice thereof is given to the Executive by the Company;

(iv) the commission by the Executive of acts satisfying the elements of (A) any felony or (B) a misdemeanor involving moral turpitude, deceit, dishonesty or fraud;

(v) the determination, after a reasonable and good-faith investigation by the Company, that the Executive engaged in some form of harassment or discrimination prohibited by law (including, without limitation, age, sex or race harassment or discrimination);

(vi) the Executive's material misappropriation or embezzlement of the property of the Company or its Affiliates (whether or not a misdemeanor or felony);

(vii) material breach by the Executive of any of the provisions of this Agreement, of any Company policy, and/or of the Executive's Restrictive Covenants Agreement (as defined below); or

(viii) the Executive's failure to cooperate with a bona fide internal investigation or an investigation by regulatory or law enforcement authorities, after being instructed by the Company to cooperate, or the willful destruction or failure to preserve documents or other materials known to be relevant to such investigation or the inducement of others to fail to cooperate or to produce documents or other materials in connection with such investigation.

(d) Termination by the Company without Cause. The Company may terminate the Executive's employment hereunder at any time without Cause. Any termination by the Company of the Executive's employment under this Agreement which does not constitute a termination for Cause under Section 3(c) and does not result from the death or disability of the Executive under Section 3(a) or (b) shall be deemed a termination without Cause.

(e) Termination by the Executive. The Executive may terminate employment hereunder at any time for any reason, including but not limited to, Good Reason. For purposes of this Agreement, "Good Reason" shall mean that the Executive has completed all steps of the Good Reason Process (hereinafter defined) following the occurrence of any of the following events without the Executive's consent (each, a "Good Reason Condition"):

(i) a material adverse change in Executive's duties, authority, responsibilities or reporting chain relative to Executive's duties, authority, or responsibilities in effect immediately prior to such change;

(ii) a material diminution in the Executive's Base Salary except for across-the-board salary reductions based on the Company's financial performance similarly affecting all or substantially all senior management employees of the Company;

(iii) a material change in the geographic location at which the Executive provides services to the Company, such that there is an increase of at least thirty (30) miles of driving distance to such location from the Executive's principal residence as of such change; or

(iv) a material breach of this Agreement by the Company.

The “Good Reason Process” consists of the following steps:

- (i) the Executive reasonably determines in good faith that a Good Reason Condition has occurred;
- (ii) the Executive notifies the Company in writing of the first occurrence of the Good Reason Condition within 60 days of the first occurrence of such condition;
- (iii) the Executive cooperates in good faith with the Company’s efforts, for a period of not less than 30 days following such notice (the “Cure Period”), to remedy the Good Reason Condition;
- (iv) notwithstanding such efforts, the Good Reason Condition continues to exist; and
- (v) the Executive terminates employment within 60 days after the end of the Cure Period.

If the Company cures the Good Reason Condition during the Cure Period, Good Reason shall be deemed not to have occurred.

If the Executive’s employment with the Company is terminated for any reason, the Company shall pay or provide to the Executive (or to the Executive’s authorized representative or estate) (i) any Base Salary earned through the Date of Termination; (ii) unpaid expense reimbursements (subject to, and in accordance with, Section 2(c) of this Agreement); and (iii) any vested benefits the Executive may have under any employee benefit plan of the Company through the Date of Termination, which vested benefits shall be paid and/or provided in accordance with the terms of such employee benefit plans (collectively, the “Accrued Obligations”).

#### 4. Notice and Date of Termination.

(a) Notice of Termination. Except for termination as specified in Section 3(a), any termination of the Executive’s employment by the Company or any such termination by the Executive shall be communicated by written Notice of Termination to the other party hereto. For purposes of this Agreement, a “Notice of Termination” shall mean a notice which shall indicate the specific termination provision in this Agreement relied upon.

(b) Date of Termination. “Date of Termination” shall mean: (i) if the Executive’s employment is terminated by death, the date of death; (ii) if the Executive’s employment is terminated on account of disability under Section 3(b) or by the Company for Cause under Section 3(c), the date on which Notice of Termination is given; (iii) if the Executive’s employment is terminated by the Company without Cause under Section 3(d), the date on which a Notice of Termination is given or the date otherwise specified by the Company in the Notice of Termination; (iv) if the Executive’s employment is terminated by the Executive under Section 3(e) other than for Good Reason, 30 days after the date on which a Notice of

Termination is given, and (v) if the Executive's employment is terminated by the Executive under Section 3(e) for Good Reason, the date on which a Notice of Termination is given after the end of the Cure Period. Notwithstanding the foregoing, in the event that the Executive gives a Notice of Termination to the Company, the Company may unilaterally accelerate the Date of Termination and such acceleration shall not result in a termination by the Company for purposes of this Agreement.

5. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason Outside the Change in Control Period. If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d), or the Executive terminates employment for Good Reason as provided in Section 3(e), each outside of the Change in Control Period (as defined below), then, in addition to the Accrued Obligations, and subject to (i) the Executive signing a separation agreement and release in a form and manner satisfactory to the Company, which shall include, without limitation, a general release of claims against the Company and all related persons and entities, a reaffirmation of all of the Executive's Continuing Obligations (as defined below), and, in the Company's sole discretion, a one-year post-employment noncompetition agreement, and shall provide that if the Executive breaches any of the Continuing Obligations, all payments of the Severance Amount shall immediately cease (the "Separation Agreement and Release"), and (ii) the Separation Agreement and Release becoming irrevocable, all within 60 days after the Date of Termination (or such shorter period as set forth in the Separation Agreement and Release), which shall include a seven (7) business day revocation period:

(a) the Company shall pay the Executive an amount equal to the sum of (A) 12 months of the Executive's Base Salary plus (B) the Executive's Target Bonus for the then-current year (the "Severance Amount"); provided in the event the Executive is entitled to any payments pursuant to the Restrictive Covenants Agreement, the Severance Amount received in any calendar year will be reduced by the amount the Executive is paid in the same such calendar year pursuant to the Restrictive Covenants Agreement (the "Restrictive Covenants Agreement Setoff"); and

(b) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under the Consolidated Omnibus Budget Reconciliation Act of 1985, as amended ("COBRA"), the Company shall pay to the group health plan provider, the COBRA provider or the Executive a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 12 month anniversary of the Date of Termination; (B) the Executive's eligibility for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's continuation rights under COBRA; provided, however, if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under Section 5, to the extent taxable, shall be paid out in substantially equal installments in accordance with the Company's payroll practice over 12 months commencing within 60 days after the Date of Termination; provided, however, that if the 60-day period begins in one calendar year and ends in a second calendar year, the Severance Amount, to the extent it qualifies as "non-qualified deferred compensation" within the meaning of Section 409A of the Internal Revenue Code of 1986, as amended (the "Code"), shall begin to be paid in the second calendar year by the last day of such 60-day period; provided, further, that the initial payment shall include a catch-up payment to cover amounts retroactive to the day immediately following the Date of Termination. Each payment pursuant to this Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2).

6. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason within the Change in Control Period. The provisions of this Section 6 shall apply in lieu of, and expressly supersede, the provisions of Section 5 if (i) the Executive's employment is terminated either (a) by the Company without Cause as provided in Section 3(d), or (b) by the Executive for Good Reason as provided in Section 3(e), and (ii) the Date of Termination is within 12 months after the occurrence of the first event constituting a Change in Control (such period, the "Change in Control Period"). These provisions shall terminate and be of no further force or effect after a Change in Control Period.

(a) If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d) or the Executive terminates employment for Good Reason as provided in Section 3(e) and in each case the Date of Termination occurs during the Change in Control Period, then, in addition to the Accrued Obligations, and subject to the signing of the Separation Agreement and Release by the Executive and the Separation Agreement and Release becoming fully effective, all within the time frame set forth in the Separation Agreement and Release but in no event more than 60 days after the Date of Termination:

(i) the Company shall pay the Executive a lump sum in cash in an amount equal to 1.0 times the sum of (A) the Executive's then current Base Salary (or the Executive's Base Salary in effect immediately prior to the Change in Control, if higher) plus (B) the Executive's Target Bonus for the then-current year (the "Change in Control Payment"); provided the Change in Control Payment shall be reduced by the amount of the Restrictive Covenants Agreement Setoff, if applicable, paid or to be paid in the same calendar year; and

(ii) notwithstanding anything to the contrary in any applicable option agreement or other stock-based award agreement, all stock options and other stock-based awards held by the Executive (the "Equity Awards") shall immediately accelerate and become fully exercisable or nonforfeitable as of the later of (i) the Date of Termination or (ii) the effective date of the Separation Agreement and Release (the "Accelerated Vesting Date"); *provided* that any termination or forfeiture of the unvested portion of such Equity Awards that would otherwise occur on the Date of Termination in the absence of this Agreement will be delayed until the effective date of the Separation Agreement and Release and will only occur if the vesting pursuant to this subsection does not occur due to the absence of the Separation Agreement and Release becoming fully effective within the time period set forth therein. Notwithstanding the foregoing, no additional vesting of the Equity Awards shall occur during the period between the Executive's Date of Termination and the Accelerated Vesting Date; and

(iii) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under COBRA, the Company shall pay to the group health plan provider, the COBRA provider or the Executive a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 12 month anniversary of the Date of Termination; (B) the Executive's eligibility for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's continuation rights under COBRA; provided, however, if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under this Section 6(a), to the extent taxable, shall be paid or commence to be paid within 60 days after the Date of Termination; provided, however, that if the 60-day period begins in one calendar year and ends in a second calendar year, such payments to the extent they qualify as "non-qualified deferred compensation" within the meaning of Section 409A of the Code, shall be paid or commence to be paid in the second calendar year by the last day of such 60-day period.

(b) Additional Limitation.

(i) Anything in this Agreement to the contrary notwithstanding, in the event that the amount of any compensation, payment or distribution by the Company to or for the benefit of the Executive, whether paid or payable or distributed or distributable pursuant to the terms of this Agreement or otherwise, calculated in a manner consistent with Section 280G of the Code, and the applicable regulations thereunder (the "Aggregate Payments"), would be subject to the excise tax imposed by Section 4999 of the Code, then the Aggregate Payments shall be reduced (but not below zero) so that the sum of all of the Aggregate Payments shall be \$1.00 less than the amount at which the Executive becomes subject to the excise tax imposed by Section 4999 of the Code; provided that such reduction shall only occur if it would result in the Executive receiving a higher After Tax Amount (as defined below) than the Executive would receive if the Aggregate Payments were not subject to such reduction. In such event, the Aggregate Payments shall be reduced in the following order, in each case, in reverse chronological order beginning with the Aggregate Payments that are to be paid the furthest in time from consummation of the transaction that is subject to Section 280G of the Code: (1) cash payments not subject to Section 409A of the Code; (2) cash payments subject to Section 409A of the Code; (3) equity-based payments and acceleration; and (4) non-cash forms of benefits; provided that in the case of all the foregoing Aggregate Payments all amounts or payments that are not subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c) shall be reduced before any amounts that are subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c).

(ii) For purposes of this Section 6(b), the “After Tax Amount” means the amount of the Aggregate Payments less all federal, state, and local income, excise and employment taxes imposed on the Executive as a result of the Executive’s receipt of the Aggregate Payments. For purposes of determining the After Tax Amount, the Executive shall be deemed to pay federal income taxes at the highest marginal rate of federal income taxation applicable to individuals for the calendar year in which the determination is to be made, and state and local income taxes at the highest marginal rates of individual taxation in each applicable state and locality, net of the maximum reduction in federal income taxes which could be obtained from deduction of such state and local taxes.

(iii) The determination as to whether a reduction in the Aggregate Payments shall be made pursuant to Section 6(b)(i) shall be made by a nationally recognized accounting firm selected by the Company (the “Accounting Firm”), which shall provide detailed supporting calculations both to the Company and the Executive within 15 business days of the Date of Termination, if applicable, or at such earlier time as is reasonably requested by the Company or the Executive. Any determination by the Accounting Firm shall be binding upon the Company and the Executive.

(c) Definitions. For purposes of this Section 6, a “Change in Control” shall mean a “Sale Event” as defined in the Black Diamond Therapeutics, Inc. 2019 Stock Option and Incentive Plan, as may be amended from time to time, but only to the extent such Sale Event is also a “change in control event” within the meaning of Section 409A of the Code and the regulations promulgated thereunder.

#### 7. Section 409A.

(a) Anything in this Agreement to the contrary notwithstanding, if at the time of the Executive’s separation from service within the meaning of Section 409A of the Code, the Company determines that the Executive is a “specified employee” within the meaning of Section 409A(a)(2)(B)(i) of the Code, then to the extent any payment or benefit that the Executive becomes entitled to under this Agreement or otherwise on account of the Executive’s separation from service would be considered deferred compensation otherwise subject to the 20 percent additional tax imposed pursuant to Section 409A(a) of the Code as a result of the application of Section 409A(a)(2)(B)(i) of the Code, such payment shall not be payable and such benefit shall not be provided until the date that is the earlier of (A) six months and one day after the Executive’s separation from service, or (B) the Executive’s death. If any such delayed cash payment is otherwise payable on an installment basis, the first payment shall include a catch-up payment covering amounts that would otherwise have been paid during the six-month period but for the application of this provision, and the balance of the installments shall be payable in accordance with their original schedule.

(b) All in-kind benefits provided and expenses eligible for reimbursement under this Agreement shall be provided by the Company or incurred by the Executive during the time periods set forth in this Agreement. All reimbursements shall be paid as soon as administratively practicable, but in no event shall any reimbursement be paid after the last day of the taxable year following the taxable year in which the expense was incurred. The amount of in-kind benefits provided or reimbursable expenses incurred in one taxable year shall not affect the in-kind benefits to be provided or the expenses eligible for reimbursement in any other taxable year (except for any lifetime or other aggregate limitation applicable to medical expenses). Such right to reimbursement or in-kind benefits is not subject to liquidation or exchange for another benefit.

(c) To the extent that any payment or benefit described in this Agreement constitutes “non-qualified deferred compensation” under Section 409A of the Code, and to the extent that such payment or benefit is payable upon the Executive’s termination of employment, then such payments or benefits shall be payable only upon the Executive’s “separation from service.” The determination of whether and when a separation from service has occurred shall be made in accordance with the presumptions set forth in Treasury Regulation Section 1.409A-1(h).

(d) The parties intend that this Agreement will be administered in accordance with Section 409A of the Code. To the extent that any provision of this Agreement is ambiguous as to its compliance with Section 409A of the Code, the provision shall be read in such a manner so that all payments hereunder comply with Section 409A of the Code. Each payment pursuant to this Agreement or the Restrictive Covenants Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2). The parties agree that this Agreement may be amended, as reasonably requested by either party, and as may be necessary to fully comply with Section 409A of the Code and all related rules and regulations in order to preserve the payments and benefits provided hereunder without additional cost to either party.

(e) The Company makes no representation or warranty and shall have no liability to the Executive or any other person if any provisions of this Agreement are determined to constitute deferred compensation subject to Section 409A of the Code but do not satisfy an exemption from, or the conditions of, such Section.

#### 8. Continuing Obligations.

(a) Restrictive Covenants Agreement. As a condition of employment, the Executive is required to enter into the Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement, attached hereto as Exhibit A (the “Restrictive Covenants Agreement”). The Executive acknowledges that the benefits of this Agreement, to which the Executive was not previously entitled, are fair and reasonable consideration independent from the continuation of employment sufficient to support the Restrictive Covenants Agreement. For purposes of this Agreement, the obligations in this Section 8 and those that arise in the Restrictive Covenants Agreement and any other agreement relating to confidentiality, assignment of inventions, or other restrictive covenants shall collectively be referred to as the “Continuing Obligations.”



(b) Third-Party Agreements and Rights. The Executive hereby confirms that the Executive is not bound by the terms of any agreement with any previous employer or other party which restricts in any way the Executive's use or disclosure of information, other than confidentiality restrictions (if any), or the Executive's engagement in any business. The Executive represents to the Company that the Executive's execution of this Agreement, the Executive's employment with the Company and the performance of the Executive's proposed duties for the Company will not violate any obligations the Executive may have to any such previous employer or other party. In the Executive's work for the Company, the Executive will not disclose or make use of any information in violation of any agreements with or rights of any such previous employer or other party, and the Executive will not bring to the premises of the Company any copies or other tangible embodiments of non-public information belonging to or obtained from any such previous employment or other party.

(c) Litigation and Regulatory Cooperation. During and after the Executive's employment, the Executive shall cooperate fully with the Company in (i) the defense or prosecution of any claims or actions now in existence or which may be brought in the future against or on behalf of the Company which relate to events or occurrences that transpired while the Executive was employed by the Company, and (ii) the investigation, whether internal or external, of any matters about which the Company believes the Executive may have knowledge or information. The Executive's full cooperation in connection with such claims, actions or investigations shall include, but not be limited to, being available to meet with counsel to answer questions or to prepare for discovery or trial and to act as a witness on behalf of the Company at mutually convenient times. During and after the Executive's employment, the Executive also shall cooperate fully with the Company in connection with any investigation or review of any federal, state or local regulatory authority as any such investigation or review relates to events or occurrences that transpired while the Executive was employed by the Company. The Company shall reimburse the Executive for any reasonable out-of-pocket expenses incurred in connection with the Executive's performance of obligations pursuant to this Section 8(c).

(d) Relief. The Executive agrees that it would be difficult to measure any damages caused to the Company which might result from any breach by the Executive of the Continuing Obligations, and that in any event money damages would be an inadequate remedy for any such breach. Accordingly, the Executive agrees that if the Executive breaches, or proposes to breach, any portion of the Continuing Obligations, the Company shall be entitled, in addition to all other remedies that it may have, to an injunction or other appropriate equitable relief to restrain any such breach without showing or proving any actual damage to the Company.

(e) Protected Disclosures and Other Protected Action. Nothing in this Agreement shall be interpreted or applied to prohibit the Executive from making any good faith report to any governmental agency or other governmental entity (a "Government Agency") concerning any act or omission that the Executive reasonably believes constitutes a possible violation of federal or state law or making other disclosures that are protected under the anti-retaliation or whistleblower provisions of applicable federal or state law or regulation. In addition, nothing contained in this Agreement limits the Executive's ability to communicate with any Government Agency or otherwise participate in any investigation or proceeding that may be conducted by any Government Agency, including the Executive's ability to provide documents or other information, without notice to the Company. In addition, for the avoidance of doubt, pursuant to the federal Defend Trade Secrets Act of 2016, the Executive shall not be held criminally or civilly liable under any federal or state trade secret law or under this Agreement or

the Restrictive Covenants Agreement for the disclosure of a trade secret that (a) is made (i) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (ii) solely for the purpose of reporting or investigating a suspected violation of law; or (b) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal.

9. Consent to Jurisdiction. The parties hereby consent to the exclusive jurisdiction of the state and federal courts of the Commonwealth of Massachusetts. Accordingly, with respect to any such court action, the Executive (a) submits to the exclusive personal jurisdiction of such courts; (b) consents to service of process; and (c) waives any other requirement (whether imposed by statute, rule of court, or otherwise) with respect to personal jurisdiction or service of process.

10. Integration. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior agreements between the parties concerning such subject matter, including the Prior Agreement, provided that the Equity Documents remain in full force and effect.

11. Withholding; Tax Effect. All payments made by the Company to the Executive under this Agreement shall be net of any tax or other amounts required to be withheld by the Company under applicable law. Nothing in this Agreement shall be construed to require the Company to make any payments to compensate the Executive for any adverse tax effect associated with any payments or benefits or for any deduction or withholding from any payment or benefit.

12. Assignment. Neither the Executive nor the Company may make any assignment of this Agreement or any interest in it, by operation of law or otherwise, without the prior written consent of the other; provided, however, that the Company may assign its rights and obligations under this Agreement (including the Restrictive Covenants Agreement) without the Executive's consent to any affiliate or to any person or entity with whom the Company shall hereafter effect a reorganization, consolidate with, or merge into or to whom it transfers all or substantially all of its properties or assets; provided further that if the Executive remains employed or becomes employed by the Company, the purchaser or any of their affiliates in connection with any such transaction, then the Executive shall not be entitled to any payments, benefits or vesting pursuant to Section 5 or pursuant to Section 6 of this Agreement solely as a result of such transaction. This Agreement shall inure to the benefit of and be binding upon the Executive and the Company, and each of the Executive's and the Company's respective successors, executors, administrators, heirs and permitted assigns. The Company shall obtain an agreement from any successor to assume and agree to perform this Agreement in the same manner and to the same extent that the Company would be required to perform if no succession had taken place, except where such assumption occurs by operation of law.

13. Enforceability. If any portion or provision of this Agreement (including, without limitation, any portion or provision of any section of this Agreement) shall to any extent be declared illegal or unenforceable by a court of competent jurisdiction, then the remainder of this Agreement, or the application of such portion or provision in circumstances other than those as to which it is so declared illegal or unenforceable, shall not be affected thereby, and each portion and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

14. Survival. The provisions of this Agreement shall survive the termination of this Agreement and/or the termination of the Executive's employment to the extent necessary to effectuate the terms contained herein.

15. Waiver. No waiver of any provision hereof shall be effective unless made in writing and signed by the waiving party. The failure of any party to require the performance of any term or obligation of this Agreement, or the waiver by any party of any breach of this Agreement, shall not prevent any subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach.

16. Notices. Any notices, requests, demands and other communications provided for by this Agreement shall be sufficient if in writing and delivered in person or sent by a nationally recognized overnight courier service or by registered or certified mail, postage prepaid, return receipt requested, to the Executive at the last address the Executive has filed in writing with the Company or, in the case of the Company, at its main offices, attention of the Board.

17. Amendment. This Agreement may be amended or modified only by a written instrument signed by the Executive and by a duly authorized representative of the Company.

18. Effect on Other Plans and Agreements. An election by the Executive to resign for Good Reason under the provisions of this Agreement shall not be deemed a voluntary termination of employment by the Executive for the purpose of interpreting the provisions of any of the Company's benefit plans, programs or policies. Nothing in this Agreement shall be construed to limit the rights of the Executive under the Company's benefit plans, programs or policies except as otherwise provided in Section 8 hereof, and except that the Executive shall have no rights to any severance benefits under any Company severance pay plan, offer letter or otherwise. Except for the Restrictive Covenants Agreement, in the event that the Executive is party to an agreement with the Company providing for payments or benefits under such plan or agreement and under this Agreement, the terms of this Agreement shall govern and the Executive may receive payment under this Agreement only and not both. Further, Section 5 and Section 6 of this Agreement are mutually exclusive and in no event shall the Executive be entitled to payments or benefits pursuant to both Section 5 and Section 6 of this Agreement.

19. Governing Law. This is a Massachusetts contract and shall be construed under and be governed in all respects by the laws of the Commonwealth of Massachusetts, without giving effect to the conflict of laws principles thereof. With respect to any disputes concerning federal law, such disputes shall be determined in accordance with the law as it would be interpreted and applied by the United States Court of Appeals for the First Circuit.

20. Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be taken to be an original; but such counterparts shall together constitute one and the same document.

IN WITNESS WHEREOF, the parties have executed this Agreement effective on the Effective Date.

**BLACK DIAMOND THERAPEUTICS, INC.**

By: /s/ Brent Hatzis-Schoch

Its: Chief Operating Officer & General Counsel

**EXECUTIVE**

/s/ Thomas Leggett

Thomas Leggett

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**Exhibit A**

**Restrictive Covenants Agreement**

**Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement**

In consideration and as a condition of my employment by Black Diamond Therapeutics, Inc. (including its subsidiaries and other affiliates and its and their successors and assigns, the “Company”), and in exchange for, among other things, the enhanced benefits provided in the Employment Agreement to which this Agreement is appended, which I acknowledge and agree is fair and reasonable consideration which is independent from the continuation of my employment, I enter into this Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement (the “Agreement”) and agree as follows:

**1. Proprietary Information.** I agree that all information, whether or not in writing, concerning the Company’s business, technology, business relationships or financial affairs that the Company has not released to the general public (collectively, “Proprietary Information”) and all tangible embodiments thereof are and will be the exclusive property of the Company. By way of illustration, Proprietary Information may include information or material that has not been made generally available to the public, such as: (a) *corporate information*, including plans, strategies, methods, policies, resolutions, negotiations or litigation; (b) *marketing information*, including strategies, methods, customer or business partner identities or other information about customers, business partners, prospect identities or other information about prospects, or market analyses or projections; (c) *financial information*, including cost and performance data, debt arrangements, equity structure, investors and holdings, purchasing and sales data and price lists; (d) *operational, technological and scientific information*, including plans, specifications, manuals, forms, templates, software, pre-clinical and clinical testing data and strategies, research and development strategies, designs, methods, procedures, formulae, data, reports, discoveries, inventions, improvements, concepts, ideas, and other Developments (as defined below), know-how and trade secrets; and (e) *personnel information*, including personnel lists, reporting or organizational structure, resumes, personnel data, performance evaluations and termination arrangements or documents. Proprietary Information also includes information received in confidence by the Company from its customers, suppliers, business partners or other third parties.

**2. Recognition of Company’s Rights.** I will not, at any time, without the Company’s prior written permission, either during or after my employment, disclose any Proprietary Information to anyone outside of the Company, or use or permit to be used any Proprietary Information for any purpose other than the performance of my duties as an employee of the Company. I will cooperate with the Company and use my best efforts to prevent the unauthorized disclosure of all Proprietary Information. I will deliver to the Company all copies and other tangible embodiments of Proprietary Information in my possession or control upon the earlier of a request by the Company or termination of my employment.

**3. Rights of Others.** I understand that the Company is now and may hereafter be subject to nondisclosure or confidentiality agreements with third persons that require the Company to protect or refrain from use or disclosure of proprietary information. I agree to be bound by the terms of such agreements in the event I have access to such proprietary information. I understand that the Company strictly prohibits me from using or disclosing confidential or proprietary information belonging to any other person or entity (including any employer or former employer), in connection with my employment. In addition, I agree not to bring any confidential information belonging to any other person or entity onto Company premises or into Company workspaces.

**4. Commitment to Company; Avoidance of Conflict of Interest.** While an employee of the Company, I will devote my full-time efforts to the Company’s business and I will not, directly or indirectly, engage in any other business activity, except as expressly authorized in writing and in advance by a duly authorized representative of the Company. I will advise an authorized officer of the Company or his or her designee at such time as any activity of either the Company or another business presents me with a conflict of interest or the appearance of a conflict of interest as an employee of the Company. I will take whatever action is requested of me by the Company to resolve any conflict or appearance of conflict which it finds to exist.

**5. Developments.** I have made and will make full and prompt disclosure to the Company of all inventions, discoveries, designs, developments, methods, modifications, improvements, processes, algorithms, data, databases, computer programs, research, formulae, techniques, trade secrets, graphics or images, and audio or visual works and other works of authorship, and other intellectual property, including works-in-process (collectively “Developments”)

whether or not patentable or copyrightable, that were or are created, made, conceived or reduced to practice by me (alone or jointly with others) or under my direction during the period of my employment. I acknowledge that all work performed by me is on a "work for hire" basis, and I hereby do assign and transfer and, to the extent any such assignment cannot be made at present, will assign and transfer, to the Company (which, for purposes of this sentence, shall be my employing entity unless otherwise specified by such entity) and its successors and assigns all my right, title and interest in and to all Developments that (a) relate to the business of the Company or its subsidiaries or other affiliates or any customer of, supplier to or business partner of the Company or its subsidiaries or other affiliates or any of the products or services that have been, are being or will be researched, developed, manufactured or sold by the Company or its subsidiaries or other affiliates or which may be used with such products or services; or (b) result from tasks assigned to me by the Company or its subsidiaries or other affiliates; or (c) result from the use of premises or personal property (whether tangible or intangible) owned, leased or contracted for by the Company or its subsidiaries or other affiliates ("Company-Related Developments"), and all related patents, patent applications, trademarks and trademark applications, copyrights and copyright applications, *sui generis* database rights and other intellectual property rights in all countries and territories worldwide and under any international conventions ("Intellectual Property Rights").

To preclude any possible uncertainty, if there are any Developments that I have, alone or jointly with others, conceived, developed or reduced to practice prior to the commencement of my employment with the Company that I consider to be my property or the property of third parties and that I wish to have excluded from the scope of this Agreement ("Prior Inventions"), I have set forth on Exhibit A attached hereto a complete list of those Prior Inventions. If disclosure of any such Prior Invention would cause me to violate any prior confidentiality agreement, I understand that I am not to list such Prior Inventions in Exhibit A but am only to disclose a cursory name for each such invention, a listing of the party(ies) to whom it belongs and the fact that full disclosure as to such inventions has not been made for that reason. If there are any patents or patent applications in which I am named as an inventor, other than those that have been assigned to the Company ("Other Patent Rights"), I have also listed those Other Patent Rights on Exhibit A. If no such disclosure is attached, I represent that there are no Prior Inventions or Other Patent Rights. If, in the course of my employment with the Company, I incorporate a Prior Invention into a Company product, process or machine, research or development program, or other work done for the Company, I hereby grant to the Company a nonexclusive, royalty-free, fully paid-up, irrevocable, worldwide license (with the full right to sublicense through multiple tiers) to make, have made, modify, use, sell, offer for sale and import such Prior Invention. Notwithstanding the foregoing, I will not incorporate, or permit to be incorporated, Prior Inventions in any Company-Related Development without the Company's prior written consent.

This Agreement does not obligate me to assign to the Company any Development that, in the sole judgment of the Company, reasonably exercised, is developed entirely on my own time and does not relate to the business efforts or research and development efforts in which, during the period of my employment, the Company actually is engaged or reasonably would be engaged, and does not result from the use of premises or equipment owned or leased by the Company. However, I will also promptly disclose to the Company any such Developments for the purpose of determining whether they qualify for such exclusion. I understand that to the extent this Agreement is required to be construed in accordance with the laws of any state which precludes a requirement in an employee agreement to assign certain classes of inventions made by an employee, this Section 5 will be interpreted not to apply to any invention that a court rules and/or the Company agrees falls within such classes. I also hereby waive all claims to any moral rights or other special rights that I may have or accrue in any Company-Related Developments.

**6. Documents and Other Materials.** I will keep and maintain adequate and current records of all Proprietary Information and Company-Related Developments developed by me during my employment, which records will be available to and remain the sole property of the Company at all times.

All files, letters, notes, memoranda, reports, records, data, sketches, drawings, notebooks, layouts, charts, quotations and proposals, specification sheets, blueprints, models, prototypes, or other written, photographic or other tangible material containing Proprietary Information, whether created by me or others, which come into my custody or possession, are the exclusive property of the Company to be used by me only in the performance of my duties for the Company. Any property situated on the Company's premises and owned by the Company, including without limitation computers, disks and other storage media, filing cabinets or other work areas, is subject to inspection by the Company at any time with or without notice. In the event of the termination of my employment for any reason, I will deliver to the Company all Company property and equipment in my possession, custody or control, including all

files, letters, notes, memoranda, reports, records, data, sketches, drawings, notebooks, layouts, charts, quotations and proposals, specification sheets, blueprints, models, prototypes, or other written, photographic or other tangible material containing Proprietary Information, and other materials of any nature pertaining to the Proprietary Information of the Company and to my work, and will not take or keep in my possession any of the foregoing or any copies.

**7. Enforcement of Intellectual Property Rights.** I will cooperate fully with the Company, both during and after my employment with the Company, with respect to the procurement, maintenance and enforcement of Intellectual Property Rights in Company-Related Developments. I will sign, both during and after my employment, all papers, including without limitation copyright applications, patent applications, declarations, oaths, assignments of priority rights, and powers of attorney, which the Company may deem necessary or desirable in order to protect its rights and interests in any Company-Related Development or Intellectual Property Rights therein. If the Company is unable, after reasonable effort, to secure my signature on any such papers, I hereby irrevocably designate and appoint each officer of the Company as my agent and attorney-in-fact to execute any such papers on my behalf, and to take any and all actions as the Company may deem necessary or desirable in order to protect its rights and interests in any Company-Related Development, including any Intellectual Property Rights therein.

**8. Nonsolicitation and Noncompetition.**

In order to protect the Company's Proprietary Information and goodwill, during my employment and for a period of (i) one (1) year following the date of the cessation of my employment with the Company (the "Last Date of Employment") or such shorter period as the Company designates in writing to me in connection with the ending of my employment relationship, or (ii) two (2) years following the Last Date of Employment if I breach my fiduciary duty to the Company or if I have unlawfully taken, physically or electronically, property belonging to the Company (in either case the "Restricted Period")

(a) I shall not, directly or indirectly, in any manner, other than for the benefit of the Company, solicit or transact any business with any of the customers of the Company. For purposes of this Agreement, customers shall include then current customers to which the Company provided products or services during the twelve months prior to the Last Date of Employment (the "One Year Lookback"), and customer prospects that the Company solicited during the One Year Lookback and that I had significant contact with or learned confidential information about in the course of my employment.

(b) I shall not, directly or indirectly, in any manner, solicit, entice or attempt to persuade any employee or consultant of the Company to leave the Company for any reason or otherwise participate in or facilitate the hire, directly or through another entity, of any person who is then employed or engaged by the Company.

(c) Unless (i) the Company terminates my employment without Cause (as defined below) or I have been laid off; or (ii) the Company waives the restrictions upon post-employment activities set forth in this Section 8(c), then, the Company shall make garden leave payments to me for the post-employment portion of the Restricted Period at the rate of 50% of the highest annualized base salary paid to me by the Company within the two-year period preceding the last day of my employment ("Garden Leave Pay"), and in exchange, I shall not directly or indirectly, whether as owner, partner, shareholder, director, manager, consultant, agent, employee, co-venturer or otherwise, anywhere in the world, engage or otherwise participate in any business that is, in whole or in part, engaged, or preparing to engage, in the Business (as defined below). I acknowledge that this covenant is necessary because the Company's legitimate business interests cannot be adequately protected solely by the other covenants in this Agreement. I further acknowledge and agree that any payments I receive pursuant to this Section 8(c) shall reduce (and shall not be in addition to) any severance or separation pay that I am otherwise entitled to receive from the Company pursuant to an agreement, plan or otherwise.

For purposes of this Agreement, and notwithstanding anything to the contrary in any other agreement between the Company and me:

"Business" shall mean, as of the Last Date of Employment, the business of the Company as previously or currently conducted, or as planned to be conducted in the future, including, without limitation, the research, manufacturing, development or marketing of small molecule inhibitors targeting genetically defined allosteric mutant oncogenes and the performance of any services related to the foregoing.



“Cause” shall mean a reasonable and good faith basis for the Company to be dissatisfied with my job performance, my conduct or my behavior.

**9. Government Contracts.** I acknowledge that the Company may have from time to time agreements with other persons or with the United States Government or its agencies that impose obligations or restrictions on the Company regarding inventions made during the course of work under such agreements or regarding the confidential nature of such work. I agree to comply with any such obligations or restrictions upon the direction of the Company. In addition to the rights assigned under Section 5, I also assign to the Company (or any of its nominees) all rights that I have or acquired in any Developments, full title to which is required to be in the United States under any contract between the Company and the United States or any of its agencies.

**10. Prior Agreements.** I hereby represent that, except as I have fully disclosed previously in writing to the Company, I am not bound by the terms of any agreement with any previous or current employer or other party to refrain from using or disclosing any trade secret or confidential or proprietary information in the course of my employment with the Company or to refrain from competing, directly or indirectly, with the business of such employer or any other party. I further represent that my performance of all the terms of this Agreement as an employee of the Company does not and will not breach any agreement to keep in confidence proprietary information, knowledge or data acquired by me in confidence or in trust prior to my employment with the Company. I will not disclose to the Company or induce the Company to use any confidential or proprietary information or material belonging to any previous employer or others.

**11. Remedies Upon Breach.** I understand that the restrictions contained in this Agreement are necessary for the protection of the business and goodwill of the Company and I consider them to be reasonable for such purpose. Any breach of this Agreement is likely to cause the Company substantial and irrevocable damage and therefore, in the event of such breach, the Company, in addition to such other remedies which may be available, will be entitled to specific performance and other injunctive relief, without the posting of a bond. I further acknowledge that a court may render an award extending the Restricted Period as one of the remedies in the event of my violation of this Agreement. If I violate this Agreement, in addition to all other remedies available to the Company at law (including, without limitation, the Company’s right to discontinue any payments I may receive pursuant to Section 8(c)), in equity, and under contract, I agree that I am obligated to pay all the Company’s costs of enforcement of this Agreement, including reasonable attorneys’ fees and expenses.

**12. Use of Voice, Image and Likeness.** I give the Company permission to use any and all of my voice, image and likeness, with or without using my name, in connection with the products and/or services of the Company, for the purposes of advertising and promoting such products and/or services and/or the Company, and/or for other purposes deemed appropriate by the Company in its reasonable discretion, except to the extent prohibited by law.

**13. No Employment Obligation.** I understand that this Agreement does not create an obligation on the Company or any other person to continue my employment. I acknowledge that, unless otherwise agreed in a formal written employment agreement signed on behalf of the Company by an authorized officer, my employment with the Company is at will and therefore may be terminated by the Company or me at any time and for any reason, with or without cause.

**14. Survival and Assignment by the Company.** I understand that my obligations under this Agreement will continue in accordance with its express terms regardless of any changes in my title, position, duties, salary, compensation or benefits or other terms and conditions of employment. I further understand that my obligations under this Agreement will continue following the termination of my employment regardless of the manner of such termination and will be binding upon my heirs, executors and administrators. The Company will have the right to assign this Agreement to its affiliates, successors and assigns. I expressly consent to be bound by the provisions of this Agreement for the benefit of the Company or any parent, subsidiary or affiliate to whose employ I may be transferred without the necessity that this Agreement be resigned at the time of such transfer.

**15. Notice of Resignation.** If I elect to resign from my employment with the Company, I agree to provide the Company with written notification of my resignation at least 30 days prior to my intended resignation date. Such notice shall include information in reasonable detail about my post-employment job duties and other business activities, including the name and address of any subsequent employer and/or person or entity with whom or which I intend to engage in business activities during the Restricted Period and the nature of my job duties and other business activities. The Company may elect to waive all or part of the 30-day notice period in its sole discretion, and such waiver shall not result in a termination by the Company for purposes of this Agreement.

**16. Post-Employment Notifications.** During the Restricted Period, I will notify the Company of any change in my address and of each subsequent employment or business activity, including the name and address of my employer or other post-Company employment plans and the nature of my activities.

**17. Disclosures During Restricted Period.** I will provide a copy of this Agreement to any person or entity with whom I may enter into a business relationship, whether as an employee, consultant, partner, coventurer or otherwise, prior to entering into such business relationship during the Restricted Period.

**18. Waiver; Reduction of Restricted Period by Company.** The Company and I acknowledge and agree that the Company's election not to provide me with Garden Leave Pay as set forth in Section 8(c) shall be deemed a waiver of my noncompetition obligations under Section 8(c). Otherwise, no waiver of any of my obligations under this Agreement shall be effective unless made in writing by the Company. The failure of the Company to require my performance of any term or obligation of this Agreement, or the waiver of any breach of this Agreement, shall not prevent the Company's subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach. Notwithstanding anything to the contrary in Section 8, the Company may reduce the length of the Restricted Period by providing written notice to me of such reduction in connection with the ending of my employment relationship.

**19. Severability.** In case any provisions (or portions thereof) contained in this Agreement shall, for any reason, be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect the other provisions of this Agreement, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein. If, moreover, any one or more of the provisions contained in this Agreement shall for any reason be held to be excessively broad as to duration, geographical scope, activity or subject, it shall be construed by limiting and reducing it, so as to be enforceable to the extent compatible with the applicable law as it shall then appear.

**20. Choice of Law and Jurisdiction.** This Agreement will be deemed to be made and entered into in the Commonwealth of Massachusetts, and will in all respects be interpreted, enforced and governed under the laws of the Commonwealth of Massachusetts. I hereby consent to the exclusive jurisdiction of the state and federal courts situated within Massachusetts for purposes of enforcing this Agreement or for any other lawsuit relating to or arising under this Agreement, and I hereby waive any objection that I might have to personal jurisdiction or venue in those courts, provided, however, the Company and I agree that all civil actions relating to Section 8(c) of this Agreement shall be brought in the county of Suffolk and that the superior court or the business litigation session of the superior court shall have exclusive jurisdiction.

**21. Independence of Obligations.** My obligations under this Agreement are independent of any obligation, contractual or otherwise, the Company has to me. The Company's breach of any such obligation shall not be a defense against the enforcement of this Agreement or otherwise limit my obligations under this Agreement.

**22. Protected Disclosures.** I understand that nothing contained in this Agreement limits my ability to communicate with any federal, state or local governmental agency or commission, including to provide documents or other information, without notice to the Company. I also understand that nothing in this Agreement limits my ability to share compensation information concerning myself or others, except that this does not permit me to disclose compensation information concerning others that I obtain because my job responsibilities require or allow access to such information.

**23. Defend Trade Secrets Act of 2016.** I understand that pursuant to the federal Defend Trade Secrets Act of 2016, I shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that (a) is made (i) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (ii) solely for the purpose of reporting or investigating a suspected violation of law; or (b) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal.

**24. Entire Agreement; Amendment.** This Agreement constitutes the entire agreement between the Company and me with respect to the subject matter hereof, and supersedes all prior agreements or understandings, both written and oral, between the Company and me with respect to the subject matter hereof, but does not in any way merge with or supersede any other confidentiality, assignment of inventions or other restrictive covenant agreement or obligation entered into by the Company and me, which agreements and obligations shall supplement, and shall not limit or be limited by, this Agreement. This Agreement may be amended only in a written agreement executed by a duly authorized officer of the Company and me.

I UNDERSTAND THAT THIS AGREEMENT AFFECTS IMPORTANT RIGHTS. BY SIGNING BELOW, I CERTIFY THAT (I) I WAS PROVIDED WITH THIS AGREEMENT AT LEAST TEN (10) BUSINESS DAYS BEFORE THE EFFECTIVE DATE OF THIS AGREEMENT AND (II) I HAVE BEEN ADVISED BY THE COMPANY THAT I HAVE THE RIGHT TO CONSULT WITH COUNSEL PRIOR TO SIGNING THIS AGREEMENT.

I ACKNOWLEDGE AND AGREE THAT THE TERMS OF THIS AGREEMENT SHALL APPLY TO MY ENTIRE SERVICE RELATIONSHIP WITH THE COMPANY, INCLUDING WITHOUT LIMITATION ANY PERIOD OF SERVICE PRIOR TO THE DATE OF MY SIGNATURE BELOW.

IN WITNESS WHEREOF, the undersigned has executed this agreement as a sealed instrument and it shall become effective upon the later of the (i) full execution by both parties; or (ii) ten (10) business days after the Company provided me with notice of this Agreement.

EMPLOYEE

Signed: \_\_\_\_\_

Type or print name: \_\_\_\_\_

Date: \_\_\_\_\_

BLACK DIAMOND THERAPEUTICS, INC.

Signed: \_\_\_\_\_

Type or print name and job title: \_\_\_\_\_

Date: \_\_\_\_\_

**EXHIBIT A**

To: BLACK DIAMOND THERAPEUTICS, INC.

From: \_\_\_\_\_

Date: \_\_\_\_\_

SUBJECT: **Prior Inventions**

The following is a complete list of all inventions or improvements relevant to the subject matter of my employment by the Company that have been made or conceived or first reduced to practice by me alone or jointly with others prior to my engagement by the Company:

No inventions or improvements

See below:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional sheets attached

The following is a list of all patents and patent applications in which I have been named as an inventor:

None

See below:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**EMPLOYMENT AGREEMENT**

This Employment Agreement (“Agreement”) is made between Black Diamond Therapeutics, Inc., a Delaware corporation (the “Company”), and Christopher D. Roberts, Ph.D. (the “Executive”) and is effective as of the closing of the Company’s first underwritten public offering of its equity securities pursuant to an effective registration statement under the Securities Act of 1933, as amended (the “Effective Date”). Except with respect to the Equity Documents (as defined below), this Agreement supersedes in all respects all prior agreements between the Executive and the Company regarding the subject matter herein, including without limitation (i) the offer letter between the Executive and the Company dated August 12, 2019 (the “Prior Agreement”), and (ii) any other offer letter, employment agreement or severance agreement.

WHEREAS, the Company desires to continue to employ the Executive and the Executive desires to continue to be employed by the Company on the new terms and conditions contained herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Employment.

(a) Term. The Company shall employ the Executive and the Executive shall be employed by the Company pursuant to this Agreement commencing as of the Effective Date and continuing until such employment is terminated in accordance with the provisions hereof (the “Term”). The Executive’s employment with the Company will continue to be “at will,” meaning that the Executive’s employment may be terminated by the Company or the Executive at any time and for any reason subject to the terms of this Agreement.

(b) Position and Duties. The Executive shall serve as the Chief Scientific Officer of the Company and shall have such powers and duties as may from time to time be prescribed by the Chief Executive Officer (the “CEO”) or other duly authorized executive. The Executive shall devote the Executive’s full working time and efforts to the business and affairs of the Company. Notwithstanding the foregoing, the Executive may serve on other boards of directors, with the approval of the Board of Directors of the Company (the “Board”), or engage in religious, charitable or other community activities as long as such services and activities are disclosed to the Board and do not interfere with the Executive’s performance of the Executive’s duties to the Company. To the extent applicable, the Executive shall be deemed to have resigned from all officer and board member positions that the Executive holds with the Company or any of its respective subsidiaries and affiliates upon the termination of the Executive’s employment for any reason. The Executive shall execute any documents in reasonable form as may be requested to confirm or effectuate any such resignations.

## 2. Compensation and Related Matters.

(a) Base Salary. The Executive's initial base salary shall be paid at the rate of \$375,000 per year. The Executive's base salary shall be subject to periodic review by the Board or the Compensation Committee of the Board (the "Compensation Committee"). The base salary in effect at any given time is referred to herein as "Base Salary." The Base Salary shall be payable in a manner that is consistent with the Company's usual payroll practices for executive officers.

(b) Incentive Compensation. The Executive shall be eligible to receive cash incentive compensation as determined by the Board or the Compensation Committee from time to time. The Executive's initial target annual incentive compensation shall be 40 percent of the Executive's Base Salary; provided that any incentive compensation awarded with respect to calendar year 2019 will be pro-rated for the number of months in 2019 of full-time employment with the Company. The target annual incentive compensation in effect at any given time is referred to herein as "Target Bonus." The actual amount of the Executive's annual incentive compensation, if any, shall be determined in the sole discretion of the Board or the Compensation Committee, subject to the terms of any applicable incentive compensation plan that may be in effect from time to time. Except as otherwise provided herein, to earn incentive compensation, the Executive must be employed by the Company on the day such incentive compensation is paid.

(c) Expenses. The Executive shall be entitled to receive prompt reimbursement for all reasonable expenses incurred by the Executive during the Term in performing services hereunder, in accordance with the policies and procedures then in effect and established by the Company for its executive officers.

(d) Other Benefits. The Executive shall be eligible to participate in or receive benefits under the Company's employee benefit plans in effect from time to time, subject to the terms of such plans.

(e) Paid Time Off. The Executive shall be entitled to take paid time off in accordance with the Company's applicable paid time off policy for executives, as may be in effect from time to time.

(f) Equity. The equity awards held by the Executive shall continue to be governed by the terms and conditions of the Company's applicable equity incentive plan(s) and the applicable award agreement(s) governing the terms of such equity awards held by the Executive (collectively, the "Equity Documents"); provided, however, and notwithstanding anything to the contrary in the Equity Documents, Section 6(a)(ii) of this Agreement shall apply in the event of a termination by the Company without Cause or by the Executive for Good Reason in either event within the Change in Control Period (as such terms are defined below).

3. Termination. The Executive's employment hereunder may be terminated without any breach of this Agreement under the following circumstances:

(a) Death. The Executive's employment hereunder shall terminate upon death.

(b) Disability. The Company may terminate the Executive's employment if the Executive is disabled and unable to perform the essential functions of the Executive's then existing position or positions under this Agreement with or without reasonable accommodation for a period of 180 days (which need not be consecutive) in any 12-month period. If any question shall arise as to whether during any period the Executive is disabled so as to be unable to perform the essential functions of the Executive's then existing position or positions with or without reasonable accommodation, the Executive may, and at the request of the Company shall, submit to the Company a certification in reasonable detail by a physician selected by the Company to whom the Executive or the Executive's guardian has no reasonable objection as to whether the Executive is so disabled or how long such disability is expected to continue, and such certification shall for the purposes of this Agreement be conclusive of the issue. The Executive shall cooperate with any reasonable request of the physician in connection with such certification. If such question shall arise and the Executive shall fail to submit such certification, the Company's determination of such issue shall be binding on the Executive. Nothing in this Section 3(b) shall be construed to waive the Executive's rights, if any, under existing law including, without limitation, the Family and Medical Leave Act of 1993, 29 U.S.C. §2601 *et seq.* and the Americans with Disabilities Act, 42 U.S.C. §12101 *et seq.*

(c) Termination by Company for Cause. The Company may terminate the Executive's employment hereunder for Cause. For purposes of this Agreement, "Cause" shall mean any of the following:

(i) the willful failure, disregard or refusal by the Executive to perform the Executive's material duties or obligations under this Agreement which, to the extent it is curable by the Executive, is not cured within thirty (30) days after written notice thereof is given to the Executive by the Company;

(ii) any willful, intentional or grossly negligent act by the Executive having the effect of materially injuring (whether financially or otherwise) the business or reputation of the Company or any of its affiliates, including but not limited to, any senior officer, director or executive of the Company or any of its affiliates;

(iii) willful misconduct by the Executive with respect to any of the material duties or obligations of the Executive under this Agreement, including, without limitation, willful insubordination with respect to lawful directions received by the Executive from the Board which, to the extent it is curable by the Executive, is not cured within thirty (30) days after written notice thereof is given to the Executive by the Company;

(iv) the commission by the Executive of acts satisfying the elements of (A) any felony or (B) a misdemeanor involving moral turpitude, deceit, dishonesty or fraud;

(v) the determination, after a reasonable and good-faith investigation by the Company, that the Executive engaged in some form of harassment or discrimination prohibited by law (including, without limitation, age, sex or race harassment or discrimination);



(vi) the Executive's material misappropriation or embezzlement of the property of the Company or its Affiliates (whether or not a misdemeanor or felony);

(vii) material breach by the Executive of any of the provisions of this Agreement, of any Company policy, and/or of the Executive's Restrictive Covenants Agreement (as defined below); or

(viii) the Executive's failure to cooperate with a bona fide internal investigation or an investigation by regulatory or law enforcement authorities, after being instructed by the Company to cooperate, or the willful destruction or failure to preserve documents or other materials known to be relevant to such investigation or the inducement of others to fail to cooperate or to produce documents or other materials in connection with such investigation.

(d) Termination by the Company without Cause. The Company may terminate the Executive's employment hereunder at any time without Cause. Any termination by the Company of the Executive's employment under this Agreement which does not constitute a termination for Cause under Section 3(c) and does not result from the death or disability of the Executive under Section 3(a) or (b) shall be deemed a termination without Cause.

(e) Termination by the Executive. The Executive may terminate employment hereunder at any time for any reason, including but not limited to, Good Reason. For purposes of this Agreement, "Good Reason" shall mean that the Executive has completed all steps of the Good Reason Process (hereinafter defined) following the occurrence of any of the following events without the Executive's consent (each, a "Good Reason Condition"):

(i) a material adverse change in Executive's duties, authority, responsibilities or reporting chain relative to Executive's duties, authority, or responsibilities in effect immediately prior to such change;

(ii) a material diminution in the Executive's Base Salary except for across-the-board salary reductions based on the Company's financial performance similarly affecting all or substantially all senior management employees of the Company;

(iii) a material change in the geographic location at which the Executive provides services to the Company, such that there is an increase of at least thirty (30) miles of driving distance to such location from the Executive's principal residence as of such change; or

(iv) a material breach of this Agreement by the Company.

The "Good Reason Process" consists of the following steps:

(i) the Executive reasonably determines in good faith that a Good Reason Condition has occurred;

(ii) the Executive notifies the Company in writing of the first occurrence of the Good Reason Condition within 60 days of the first occurrence of such condition;

(iii) the Executive cooperates in good faith with the Company's efforts, for a period of not less than 30 days following such notice (the "Cure Period"), to remedy the Good Reason Condition;

(iv) notwithstanding such efforts, the Good Reason Condition continues to exist; and

(v) the Executive terminates employment within 60 days after the end of the Cure Period.

If the Company cures the Good Reason Condition during the Cure Period, Good Reason shall be deemed not to have occurred.

If the Executive's employment with the Company is terminated for any reason, the Company shall pay or provide to the Executive (or to the Executive's authorized representative or estate) (i) any Base Salary earned through the Date of Termination; (ii) unpaid expense reimbursements (subject to, and in accordance with, Section 2(c) of this Agreement); and (iii) any vested benefits the Executive may have under any employee benefit plan of the Company through the Date of Termination, which vested benefits shall be paid and/or provided in accordance with the terms of such employee benefit plans (collectively, the "Accrued Obligations").

#### 4. Notice and Date of Termination.

(a) Notice of Termination. Except for termination as specified in Section 3(a), any termination of the Executive's employment by the Company or any such termination by the Executive shall be communicated by written Notice of Termination to the other party hereto. For purposes of this Agreement, a "Notice of Termination" shall mean a notice which shall indicate the specific termination provision in this Agreement relied upon.

(b) Date of Termination. "Date of Termination" shall mean: (i) if the Executive's employment is terminated by death, the date of death; (ii) if the Executive's employment is terminated on account of disability under Section 3(b) or by the Company for Cause under Section 3(c), the date on which Notice of Termination is given; (iii) if the Executive's employment is terminated by the Company without Cause under Section 3(d), the date on which a Notice of Termination is given or the date otherwise specified by the Company in the Notice of Termination; (iv) if the Executive's employment is terminated by the Executive under Section 3(e) other than for Good Reason, 30 days after the date on which a Notice of Termination is given, and (v) if the Executive's employment is terminated by the Executive under Section 3(e) for Good Reason, the date on which a Notice of Termination is given after the end of the Cure Period. Notwithstanding the foregoing, in the event that the Executive gives a Notice of Termination to the Company, the Company may unilaterally accelerate the Date of Termination and such acceleration shall not result in a termination by the Company for purposes of this Agreement.

**5. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason Outside the Change in Control Period.** If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d), or the Executive terminates employment for Good Reason as provided in Section 3(e), each outside of the Change in Control Period (as defined below), then, in addition to the Accrued Obligations, and subject to (i) the Executive signing a separation agreement and release in a form and manner satisfactory to the Company, which shall include, without limitation, a general release of claims against the Company and all related persons and entities, a reaffirmation of all of the Executive's Continuing Obligations (as defined below), and, in the Company's sole discretion, a one-year post-employment noncompetition agreement, and shall provide that if the Executive breaches any of the Continuing Obligations, all payments of the Severance Amount shall immediately cease (the "Separation Agreement and Release"), and (ii) the Separation Agreement and Release becoming irrevocable, all within 60 days after the Date of Termination (or such shorter period as set forth in the Separation Agreement and Release), which shall include a seven (7) business day revocation period:

(a) the Company shall pay the Executive an amount equal to the sum of (A) 12 months of the Executive's Base Salary plus (B) the Executive's Target Bonus for the then-current year (the "Severance Amount"); provided in the event the Executive is entitled to any payments pursuant to the Restrictive Covenants Agreement, the Severance Amount received in any calendar year will be reduced by the amount the Executive is paid in the same such calendar year pursuant to the Restrictive Covenants Agreement (the "Restrictive Covenants Agreement Setoff"); and

(b) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under the Consolidated Omnibus Budget Reconciliation Act of 1985, as amended ("COBRA"), the Company shall pay to the group health plan provider, the COBRA provider or the Executive a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 12 month anniversary of the Date of Termination; (B) the Executive's eligibility for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's continuation rights under COBRA; provided, however, if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under Section 5, to the extent taxable, shall be paid out in substantially equal installments in accordance with the Company's payroll practice over 12 months commencing within 60 days after the Date of Termination; provided, however, that if the 60-day period begins in one calendar year and ends in a second calendar year, the Severance Amount, to the extent it qualifies as "non-qualified deferred compensation" within the meaning of Section 409A of the Internal Revenue Code of 1986, as amended (the "Code"), shall begin to be paid in the second calendar year by the last day of such 60-day period; provided, further, that the initial payment shall include a catch-up payment to cover amounts retroactive to the day immediately following the Date of Termination. Each payment pursuant to this Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2).

6. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason within the Change in Control Period. The provisions of this Section 6 shall apply in lieu of, and expressly supersede, the provisions of Section 5 if (i) the Executive's employment is terminated either (a) by the Company without Cause as provided in Section 3(d), or (b) by the Executive for Good Reason as provided in Section 3(e), and (ii) the Date of Termination is within 12 months after the occurrence of the first event constituting a Change in Control (such period, the "Change in Control Period"). These provisions shall terminate and be of no further force or effect after a Change in Control Period.

(a) If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d) or the Executive terminates employment for Good Reason as provided in Section 3(e) and in each case the Date of Termination occurs during the Change in Control Period, then, in addition to the Accrued Obligations, and subject to the signing of the Separation Agreement and Release by the Executive and the Separation Agreement and Release becoming fully effective, all within the time frame set forth in the Separation Agreement and Release but in no event more than 60 days after the Date of Termination:

(i) the Company shall pay the Executive a lump sum in cash in an amount equal to 1.0 times the sum of (A) the Executive's then current Base Salary (or the Executive's Base Salary in effect immediately prior to the Change in Control, if higher) plus (B) the Executive's Target Bonus for the then-current year (the "Change in Control Payment"); provided the Change in Control Payment shall be reduced by the amount of the Restrictive Covenants Agreement Setoff, if applicable, paid or to be paid in the same calendar year; and

(ii) notwithstanding anything to the contrary in any applicable option agreement or other stock-based award agreement, all stock options and other stock-based awards held by the Executive (the "Equity Awards") shall immediately accelerate and become fully exercisable or nonforfeitable as of the later of (i) the Date of Termination or (ii) the effective date of the Separation Agreement and Release (the "Accelerated Vesting Date"); *provided* that any termination or forfeiture of the unvested portion of such Equity Awards that would otherwise occur on the Date of Termination in the absence of this Agreement will be delayed until the effective date of the Separation Agreement and Release and will only occur if the vesting pursuant to this subsection does not occur due to the absence of the Separation Agreement and Release becoming fully effective within the time period set forth therein. Notwithstanding the foregoing, no additional vesting of the Equity Awards shall occur during the period between the Executive's Date of Termination and the Accelerated Vesting Date; and

(iii) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under COBRA, the Company shall pay to the group health plan provider, the COBRA provider or the Executive a monthly payment equal to the monthly employer contribution

that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 12 month anniversary of the Date of Termination; (B) the Executive's eligibility for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's continuation rights under COBRA; provided, however, if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under this Section 6(a), to the extent taxable, shall be paid or commence to be paid within 60 days after the Date of Termination; provided, however, that if the 60-day period begins in one calendar year and ends in a second calendar year, such payments to the extent they qualify as "non-qualified deferred compensation" within the meaning of Section 409A of the Code, shall be paid or commence to be paid in the second calendar year by the last day of such 60-day period.

(b) Additional Limitation.

(i) Anything in this Agreement to the contrary notwithstanding, in the event that the amount of any compensation, payment or distribution by the Company to or for the benefit of the Executive, whether paid or payable or distributed or distributable pursuant to the terms of this Agreement or otherwise, calculated in a manner consistent with Section 280G of the Code, and the applicable regulations thereunder (the "Aggregate Payments"), would be subject to the excise tax imposed by Section 4999 of the Code, then the Aggregate Payments shall be reduced (but not below zero) so that the sum of all of the Aggregate Payments shall be \$1.00 less than the amount at which the Executive becomes subject to the excise tax imposed by Section 4999 of the Code; provided that such reduction shall only occur if it would result in the Executive receiving a higher After Tax Amount (as defined below) than the Executive would receive if the Aggregate Payments were not subject to such reduction. In such event, the Aggregate Payments shall be reduced in the following order, in each case, in reverse chronological order beginning with the Aggregate Payments that are to be paid the furthest in time from consummation of the transaction that is subject to Section 280G of the Code: (1) cash payments not subject to Section 409A of the Code; (2) cash payments subject to Section 409A of the Code; (3) equity-based payments and acceleration; and (4) non-cash forms of benefits; provided that in the case of all the foregoing Aggregate Payments all amounts or payments that are not subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c) shall be reduced before any amounts that are subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c).

(ii) For purposes of this Section 6(b), the "After Tax Amount" means the amount of the Aggregate Payments less all federal, state, and local income, excise and employment taxes imposed on the Executive as a result of the Executive's receipt of the Aggregate Payments. For purposes of determining the After Tax Amount, the Executive

shall be deemed to pay federal income taxes at the highest marginal rate of federal income taxation applicable to individuals for the calendar year in which the determination is to be made, and state and local income taxes at the highest marginal rates of individual taxation in each applicable state and locality, net of the maximum reduction in federal income taxes which could be obtained from deduction of such state and local taxes.

(iii) The determination as to whether a reduction in the Aggregate Payments shall be made pursuant to Section 6(b)(i) shall be made by a nationally recognized accounting firm selected by the Company (the "Accounting Firm"), which shall provide detailed supporting calculations both to the Company and the Executive within 15 business days of the Date of Termination, if applicable, or at such earlier time as is reasonably requested by the Company or the Executive. Any determination by the Accounting Firm shall be binding upon the Company and the Executive.

(c) Definitions. For purposes of this Section 6, a "Change in Control" shall mean a "Sale Event" as defined in the Black Diamond Therapeutics, Inc. 2019 Stock Option and Incentive Plan, as may be amended from time to time, but only to the extent such Sale Event is also a "change in control event" within the meaning of Section 409A of the Code and the regulations promulgated thereunder.

#### 7. Section 409A.

(a) Anything in this Agreement to the contrary notwithstanding, if at the time of the Executive's separation from service within the meaning of Section 409A of the Code, the Company determines that the Executive is a "specified employee" within the meaning of Section 409A(a)(2)(B)(i) of the Code, then to the extent any payment or benefit that the Executive becomes entitled to under this Agreement or otherwise on account of the Executive's separation from service would be considered deferred compensation otherwise subject to the 20 percent additional tax imposed pursuant to Section 409A(a) of the Code as a result of the application of Section 409A(a)(2)(B)(i) of the Code, such payment shall not be payable and such benefit shall not be provided until the date that is the earlier of (A) six months and one day after the Executive's separation from service, or (B) the Executive's death. If any such delayed cash payment is otherwise payable on an installment basis, the first payment shall include a catch-up payment covering amounts that would otherwise have been paid during the six-month period but for the application of this provision, and the balance of the installments shall be payable in accordance with their original schedule.

(b) All in-kind benefits provided and expenses eligible for reimbursement under this Agreement shall be provided by the Company or incurred by the Executive during the time periods set forth in this Agreement. All reimbursements shall be paid as soon as administratively practicable, but in no event shall any reimbursement be paid after the last day of the taxable year following the taxable year in which the expense was incurred. The amount of in-kind benefits provided or reimbursable expenses incurred in one taxable year shall not affect the in-kind benefits to be provided or the expenses eligible for reimbursement in any other taxable year (except for any lifetime or other aggregate limitation applicable to medical expenses). Such right to reimbursement or in-kind benefits is not subject to liquidation or exchange for another benefit.

(c) To the extent that any payment or benefit described in this Agreement constitutes “non-qualified deferred compensation” under Section 409A of the Code, and to the extent that such payment or benefit is payable upon the Executive’s termination of employment, then such payments or benefits shall be payable only upon the Executive’s “separation from service.” The determination of whether and when a separation from service has occurred shall be made in accordance with the presumptions set forth in Treasury Regulation Section 1.409A-1(h).

(d) The parties intend that this Agreement will be administered in accordance with Section 409A of the Code. To the extent that any provision of this Agreement is ambiguous as to its compliance with Section 409A of the Code, the provision shall be read in such a manner so that all payments hereunder comply with Section 409A of the Code. Each payment pursuant to this Agreement or the Restrictive Covenants Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2). The parties agree that this Agreement may be amended, as reasonably requested by either party, and as may be necessary to fully comply with Section 409A of the Code and all related rules and regulations in order to preserve the payments and benefits provided hereunder without additional cost to either party.

(e) The Company makes no representation or warranty and shall have no liability to the Executive or any other person if any provisions of this Agreement are determined to constitute deferred compensation subject to Section 409A of the Code but do not satisfy an exemption from, or the conditions of, such Section.

#### 8. Continuing Obligations.

(a) Restrictive Covenants Agreement. As a condition of employment, the Executive is required to enter into the Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement, attached hereto as Exhibit A (the “Restrictive Covenants Agreement”). The Executive acknowledges that the benefits of this Agreement, to which the Executive was not previously entitled, are fair and reasonable consideration independent from the continuation of employment sufficient to support the Restrictive Covenants Agreement. For purposes of this Agreement, the obligations in this Section 8 and those that arise in the Restrictive Covenants Agreement and any other agreement relating to confidentiality, assignment of inventions, or other restrictive covenants shall collectively be referred to as the “Continuing Obligations.”

(b) Third-Party Agreements and Rights. The Executive hereby confirms that the Executive is not bound by the terms of any agreement with any previous employer or other party which restricts in any way the Executive’s use or disclosure of information, other than confidentiality restrictions (if any), or the Executive’s engagement in any business. The Executive represents to the Company that the Executive’s execution of this Agreement, the Executive’s employment with the Company and the performance of the Executive’s proposed duties for the Company will not violate any obligations the Executive may have to any such previous employer or other party. In the Executive’s work for the Company, the Executive will not disclose or make use of any information in violation of any agreements with or rights of any such previous employer or other party, and the Executive will not bring to the premises of the Company any copies or other tangible embodiments of non-public information belonging to or obtained from any such previous employment or other party.

(c) Litigation and Regulatory Cooperation. During and after the Executive's employment, the Executive shall cooperate fully with the Company in (i) the defense or prosecution of any claims or actions now in existence or which may be brought in the future against or on behalf of the Company which relate to events or occurrences that transpired while the Executive was employed by the Company, and (ii) the investigation, whether internal or external, of any matters about which the Company believes the Executive may have knowledge or information. The Executive's full cooperation in connection with such claims, actions or investigations shall include, but not be limited to, being available to meet with counsel to answer questions or to prepare for discovery or trial and to act as a witness on behalf of the Company at mutually convenient times. During and after the Executive's employment, the Executive also shall cooperate fully with the Company in connection with any investigation or review of any federal, state or local regulatory authority as any such investigation or review relates to events or occurrences that transpired while the Executive was employed by the Company. The Company shall reimburse the Executive for any reasonable out-of-pocket expenses incurred in connection with the Executive's performance of obligations pursuant to this Section 8(c).

(d) Relief. The Executive agrees that it would be difficult to measure any damages caused to the Company which might result from any breach by the Executive of the Continuing Obligations, and that in any event money damages would be an inadequate remedy for any such breach. Accordingly, the Executive agrees that if the Executive breaches, or proposes to breach, any portion of the Continuing Obligations, the Company shall be entitled, in addition to all other remedies that it may have, to an injunction or other appropriate equitable relief to restrain any such breach without showing or proving any actual damage to the Company.

(e) Protected Disclosures and Other Protected Action. Nothing in this Agreement shall be interpreted or applied to prohibit the Executive from making any good faith report to any governmental agency or other governmental entity (a "Government Agency") concerning any act or omission that the Executive reasonably believes constitutes a possible violation of federal or state law or making other disclosures that are protected under the anti-retaliation or whistleblower provisions of applicable federal or state law or regulation. In addition, nothing contained in this Agreement limits the Executive's ability to communicate with any Government Agency or otherwise participate in any investigation or proceeding that may be conducted by any Government Agency, including the Executive's ability to provide documents or other information, without notice to the Company. In addition, for the avoidance of doubt, pursuant to the federal Defend Trade Secrets Act of 2016, the Executive shall not be held criminally or civilly liable under any federal or state trade secret law or under this Agreement or the Restrictive Covenants Agreement for the disclosure of a trade secret that (a) is made (i) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (ii) solely for the purpose of reporting or investigating a suspected violation of law; or (b) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal.



9. Consent to Jurisdiction. The parties hereby consent to the exclusive jurisdiction of the state and federal courts of the Commonwealth of Massachusetts. Accordingly, with respect to any such court action, the Executive (a) submits to the exclusive personal jurisdiction of such courts; (b) consents to service of process; and (c) waives any other requirement (whether imposed by statute, rule of court, or otherwise) with respect to personal jurisdiction or service of process.

10. Integration. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior agreements between the parties concerning such subject matter, including the Prior Agreement, provided that the Equity Documents remain in full force and effect.

11. Withholding; Tax Effect. All payments made by the Company to the Executive under this Agreement shall be net of any tax or other amounts required to be withheld by the Company under applicable law. Nothing in this Agreement shall be construed to require the Company to make any payments to compensate the Executive for any adverse tax effect associated with any payments or benefits or for any deduction or withholding from any payment or benefit.

12. Assignment. Neither the Executive nor the Company may make any assignment of this Agreement or any interest in it, by operation of law or otherwise, without the prior written consent of the other; provided, however, that the Company may assign its rights and obligations under this Agreement (including the Restrictive Covenants Agreement) without the Executive's consent to any affiliate or to any person or entity with whom the Company shall hereafter effect a reorganization, consolidate with, or merge into or to whom it transfers all or substantially all of its properties or assets; provided further that if the Executive remains employed or becomes employed by the Company, the purchaser or any of their affiliates in connection with any such transaction, then the Executive shall not be entitled to any payments, benefits or vesting pursuant to Section 5 or pursuant to Section 6 of this Agreement solely as a result of such transaction. This Agreement shall inure to the benefit of and be binding upon the Executive and the Company, and each of the Executive's and the Company's respective successors, executors, administrators, heirs and permitted assigns. The Company shall obtain an agreement from any successor to assume and agree to perform this Agreement in the same manner and to the same extent that the Company would be required to perform if no succession had taken place, except where such assumption occurs by operation of law.

13. Enforceability. If any portion or provision of this Agreement (including, without limitation, any portion or provision of any section of this Agreement) shall to any extent be declared illegal or unenforceable by a court of competent jurisdiction, then the remainder of this Agreement, or the application of such portion or provision in circumstances other than those as to which it is so declared illegal or unenforceable, shall not be affected thereby, and each portion and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

14. Survival. The provisions of this Agreement shall survive the termination of this Agreement and/or the termination of the Executive's employment to the extent necessary to effectuate the terms contained herein.

15. Waiver. No waiver of any provision hereof shall be effective unless made in writing and signed by the waiving party. The failure of any party to require the performance of any term or obligation of this Agreement, or the waiver by any party of any breach of this Agreement, shall not prevent any subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach.

16. Notices. Any notices, requests, demands and other communications provided for by this Agreement shall be sufficient if in writing and delivered in person or sent by a nationally recognized overnight courier service or by registered or certified mail, postage prepaid, return receipt requested, to the Executive at the last address the Executive has filed in writing with the Company or, in the case of the Company, at its main offices, attention of the Board.

17. Amendment. This Agreement may be amended or modified only by a written instrument signed by the Executive and by a duly authorized representative of the Company.

18. Effect on Other Plans and Agreements. An election by the Executive to resign for Good Reason under the provisions of this Agreement shall not be deemed a voluntary termination of employment by the Executive for the purpose of interpreting the provisions of any of the Company's benefit plans, programs or policies. Nothing in this Agreement shall be construed to limit the rights of the Executive under the Company's benefit plans, programs or policies except as otherwise provided in Section 8 hereof, and except that the Executive shall have no rights to any severance benefits under any Company severance pay plan, offer letter or otherwise. Except for the Restrictive Covenants Agreement, in the event that the Executive is party to an agreement with the Company providing for payments or benefits under such plan or agreement and under this Agreement, the terms of this Agreement shall govern and the Executive may receive payment under this Agreement only and not both. Further, Section 5 and Section 6 of this Agreement are mutually exclusive and in no event shall the Executive be entitled to payments or benefits pursuant to both Section 5 and Section 6 of this Agreement.

19. Governing Law. This is a Massachusetts contract and shall be construed under and be governed in all respects by the laws of the Commonwealth of Massachusetts, without giving effect to the conflict of laws principles thereof. With respect to any disputes concerning federal law, such disputes shall be determined in accordance with the law as it would be interpreted and applied by the United States Court of Appeals for the First Circuit.

20. Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be taken to be an original; but such counterparts shall together constitute one and the same document.

IN WITNESS WHEREOF, the parties have executed this Agreement effective on the Effective Date.

**BLACK DIAMOND THERAPEUTICS, INC.**

By: /s/ Brent Hatzis-Schoch

Its: Chief Operating Officer & General Counsel

**EXECUTIVE**

/s/ Christopher D. Roberts

Christopher D. Roberts, Ph.D.

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**Exhibit A**

**Restrictive Covenants Agreement**

**Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement**

In consideration and as a condition of my employment by Black Diamond Therapeutics, Inc. (including its subsidiaries and other affiliates and its and their successors and assigns, the “Company”), and in exchange for, among other things, the enhanced benefits provided in the Employment Agreement to which this Agreement is appended, which I acknowledge and agree is fair and reasonable consideration which is independent from the continuation of my employment, I enter into this Employee Confidentiality, Assignment, Nonsolicitation and Noncompetition Agreement (the “Agreement”) and agree as follows:

**1. Proprietary Information.** I agree that all information, whether or not in writing, concerning the Company’s business, technology, business relationships or financial affairs that the Company has not released to the general public (collectively, “Proprietary Information”) and all tangible embodiments thereof are and will be the exclusive property of the Company. By way of illustration, Proprietary Information may include information or material that has not been made generally available to the public, such as: (a) *corporate information*, including plans, strategies, methods, policies, resolutions, negotiations or litigation; (b) *marketing information*, including strategies, methods, customer or business partner identities or other information about customers, business partners, prospect identities or other information about prospects, or market analyses or projections; (c) *financial information*, including cost and performance data, debt arrangements, equity structure, investors and holdings, purchasing and sales data and price lists; (d) *operational, technological and scientific information*, including plans, specifications, manuals, forms, templates, software, pre-clinical and clinical testing data and strategies, research and development strategies, designs, methods, procedures, formulae, data, reports, discoveries, inventions, improvements, concepts, ideas, and other Developments (as defined below), know-how and trade secrets; and (e) *personnel information*, including personnel lists, reporting or organizational structure, resumes, personnel data, performance evaluations and termination arrangements or documents. Proprietary Information also includes information received in confidence by the Company from its customers, suppliers, business partners or other third parties.

**2. Recognition of Company’s Rights.** I will not, at any time, without the Company’s prior written permission, either during or after my employment, disclose any Proprietary Information to anyone outside of the Company, or use or permit to be used any Proprietary Information for any purpose other than the performance of my duties as an employee of the Company. I will cooperate with the Company and use my best efforts to prevent the unauthorized disclosure of all Proprietary Information. I will deliver to the Company all copies and other tangible embodiments of Proprietary Information in my possession or control upon the earlier of a request by the Company or termination of my employment.

**3. Rights of Others.** I understand that the Company is now and may hereafter be subject to nondisclosure or confidentiality agreements with third persons that require the Company to protect or refrain from use or disclosure of proprietary information. I agree to be bound by the terms of such agreements in the event I have access to such proprietary information. I understand that the Company strictly prohibits me from using or disclosing confidential or proprietary information belonging to any other person or entity (including any employer or former employer), in connection with my employment. In addition, I agree not to bring any confidential information belonging to any other person or entity onto Company premises or into Company workspaces.

**4. Commitment to Company; Avoidance of Conflict of Interest.** While an employee of the Company, I will devote my full-time efforts to the Company’s business and I will not, directly or indirectly, engage in any other business activity, except as expressly authorized in writing and in advance by a duly authorized representative of the Company. I will advise an authorized officer of the Company or his or her designee at such time as any activity of either the Company or another business presents me with a conflict of interest or the appearance of a conflict of interest as an employee of the Company. I will take whatever action is requested of me by the Company to resolve any conflict or appearance of conflict which it finds to exist.

**5. Developments.** I have made and will make full and prompt disclosure to the Company of all inventions, discoveries, designs, developments, methods, modifications, improvements, processes, algorithms, data, databases, computer programs, research, formulae, techniques, trade secrets, graphics or images, and audio or visual works and other works of authorship, and other intellectual property, including works-in-process (collectively “Developments”)

whether or not patentable or copyrightable, that were or are created, made, conceived or reduced to practice by me (alone or jointly with others) or under my direction during the period of my employment. I acknowledge that all work performed by me is on a "work for hire" basis, and I hereby do assign and transfer and, to the extent any such assignment cannot be made at present, will assign and transfer, to the Company (which, for purposes of this sentence, shall be my employing entity unless otherwise specified by such entity) and its successors and assigns all my right, title and interest in and to all Developments that (a) relate to the business of the Company or its subsidiaries or other affiliates or any customer of, supplier to or business partner of the Company or its subsidiaries or other affiliates or any of the products or services that have been, are being or will be researched, developed, manufactured or sold by the Company or its subsidiaries or other affiliates or which may be used with such products or services; or (b) result from tasks assigned to me by the Company or its subsidiaries or other affiliates; or (c) result from the use of premises or personal property (whether tangible or intangible) owned, leased or contracted for by the Company or its subsidiaries or other affiliates ("Company-Related Developments"), and all related patents, patent applications, trademarks and trademark applications, copyrights and copyright applications, *sui generis* database rights and other intellectual property rights in all countries and territories worldwide and under any international conventions ("Intellectual Property Rights").

To preclude any possible uncertainty, if there are any Developments that I have, alone or jointly with others, conceived, developed or reduced to practice prior to the commencement of my employment with the Company that I consider to be my property or the property of third parties and that I wish to have excluded from the scope of this Agreement ("Prior Inventions"), I have set forth on Exhibit A attached hereto a complete list of those Prior Inventions. If disclosure of any such Prior Invention would cause me to violate any prior confidentiality agreement, I understand that I am not to list such Prior Inventions in Exhibit A but am only to disclose a cursory name for each such invention, a listing of the party(ies) to whom it belongs and the fact that full disclosure as to such inventions has not been made for that reason. If there are any patents or patent applications in which I am named as an inventor, other than those that have been assigned to the Company ("Other Patent Rights"), I have also listed those Other Patent Rights on Exhibit A. If no such disclosure is attached, I represent that there are no Prior Inventions or Other Patent Rights. If, in the course of my employment with the Company, I incorporate a Prior Invention into a Company product, process or machine, research or development program, or other work done for the Company, I hereby grant to the Company a nonexclusive, royalty-free, fully paid-up, irrevocable, worldwide license (with the full right to sublicense through multiple tiers) to make, have made, modify, use, sell, offer for sale and import such Prior Invention. Notwithstanding the foregoing, I will not incorporate, or permit to be incorporated, Prior Inventions in any Company-Related Development without the Company's prior written consent.

This Agreement does not obligate me to assign to the Company any Development that, in the sole judgment of the Company, reasonably exercised, is developed entirely on my own time and does not relate to the business efforts or research and development efforts in which, during the period of my employment, the Company actually is engaged or reasonably would be engaged, and does not result from the use of premises or equipment owned or leased by the Company. However, I will also promptly disclose to the Company any such Developments for the purpose of determining whether they qualify for such exclusion. I understand that to the extent this Agreement is required to be construed in accordance with the laws of any state which precludes a requirement in an employee agreement to assign certain classes of inventions made by an employee, this Section 5 will be interpreted not to apply to any invention that a court rules and/or the Company agrees falls within such classes. I also hereby waive all claims to any moral rights or other special rights that I may have or accrue in any Company-Related Developments.

**6. Documents and Other Materials.** I will keep and maintain adequate and current records of all Proprietary Information and Company-Related Developments developed by me during my employment, which records will be available to and remain the sole property of the Company at all times.

All files, letters, notes, memoranda, reports, records, data, sketches, drawings, notebooks, layouts, charts, quotations and proposals, specification sheets, blueprints, models, prototypes, or other written, photographic or other tangible material containing Proprietary Information, whether created by me or others, which come into my custody or possession, are the exclusive property of the Company to be used by me only in the performance of my duties for the Company. Any property situated on the Company's premises and owned by the Company, including without limitation computers, disks and other storage media, filing cabinets or other work areas, is subject to inspection by the Company at any time with or without notice. In the event of the termination of my employment for any reason, I will deliver to the Company all Company property and equipment in my possession, custody or control, including all

files, letters, notes, memoranda, reports, records, data, sketches, drawings, notebooks, layouts, charts, quotations and proposals, specification sheets, blueprints, models, prototypes, or other written, photographic or other tangible material containing Proprietary Information, and other materials of any nature pertaining to the Proprietary Information of the Company and to my work, and will not take or keep in my possession any of the foregoing or any copies.

**7. Enforcement of Intellectual Property Rights.** I will cooperate fully with the Company, both during and after my employment with the Company, with respect to the procurement, maintenance and enforcement of Intellectual Property Rights in Company-Related Developments. I will sign, both during and after my employment, all papers, including without limitation copyright applications, patent applications, declarations, oaths, assignments of priority rights, and powers of attorney, which the Company may deem necessary or desirable in order to protect its rights and interests in any Company-Related Development or Intellectual Property Rights therein. If the Company is unable, after reasonable effort, to secure my signature on any such papers, I hereby irrevocably designate and appoint each officer of the Company as my agent and attorney-in-fact to execute any such papers on my behalf, and to take any and all actions as the Company may deem necessary or desirable in order to protect its rights and interests in any Company-Related Development, including any Intellectual Property Rights therein.

**8. Nonsolicitation and Noncompetition.**

In order to protect the Company's Proprietary Information and goodwill, during my employment and for a period of (i) one (1) year following the date of the cessation of my employment with the Company (the "Last Date of Employment") or such shorter period as the Company designates in writing to me in connection with the ending of my employment relationship, or (ii) two (2) years following the Last Date of Employment if I breach my fiduciary duty to the Company or if I have unlawfully taken, physically or electronically, property belonging to the Company (in either case the "Restricted Period")

(a) I shall not, directly or indirectly, in any manner, other than for the benefit of the Company, solicit or transact any business with any of the customers of the Company. For purposes of this Agreement, customers shall include then current customers to which the Company provided products or services during the twelve months prior to the Last Date of Employment (the "One Year Lookback"), and customer prospects that the Company solicited during the One Year Lookback and that I had significant contact with or learned confidential information about in the course of my employment.

(b) I shall not, directly or indirectly, in any manner, solicit, entice or attempt to persuade any employee or consultant of the Company to leave the Company for any reason or otherwise participate in or facilitate the hire, directly or through another entity, of any person who is then employed or engaged by the Company.

(c) Unless (i) the Company terminates my employment without Cause (as defined below) or I have been laid off; or (ii) the Company waives the restrictions upon post-employment activities set forth in this Section 8(c), then, the Company shall make garden leave payments to me for the post-employment portion of the Restricted Period at the rate of 50% of the highest annualized base salary paid to me by the Company within the two-year period preceding the last day of my employment ("Garden Leave Pay"), and in exchange, I shall not directly or indirectly, whether as owner, partner, shareholder, director, manager, consultant, agent, employee, co-venturer or otherwise, anywhere in the world, engage or otherwise participate in any business that is, in whole or in part, engaged, or preparing to engage, in the Business (as defined below). I acknowledge that this covenant is necessary because the Company's legitimate business interests cannot be adequately protected solely by the other covenants in this Agreement. I further acknowledge and agree that any payments I receive pursuant to this Section 8(c) shall reduce (and shall not be in addition to) any severance or separation pay that I am otherwise entitled to receive from the Company pursuant to an agreement, plan or otherwise.

For purposes of this Agreement, and notwithstanding anything to the contrary in any other agreement between the Company and me:

"Business" shall mean, as of the Last Date of Employment, the business of the Company as previously or currently conducted, or as planned to be conducted in the future, including, without limitation, the research, manufacturing, development or marketing of small molecule inhibitors targeting genetically defined allosteric mutant oncogenes and the performance of any services related to the foregoing.

“Cause” shall mean a reasonable and good faith basis for the Company to be dissatisfied with my job performance, my conduct or my behavior.

**9. Government Contracts.** I acknowledge that the Company may have from time to time agreements with other persons or with the United States Government or its agencies that impose obligations or restrictions on the Company regarding inventions made during the course of work under such agreements or regarding the confidential nature of such work. I agree to comply with any such obligations or restrictions upon the direction of the Company. In addition to the rights assigned under Section 5, I also assign to the Company (or any of its nominees) all rights that I have or acquired in any Developments, full title to which is required to be in the United States under any contract between the Company and the United States or any of its agencies.

**10. Prior Agreements.** I hereby represent that, except as I have fully disclosed previously in writing to the Company, I am not bound by the terms of any agreement with any previous or current employer or other party to refrain from using or disclosing any trade secret or confidential or proprietary information in the course of my employment with the Company or to refrain from competing, directly or indirectly, with the business of such employer or any other party. I further represent that my performance of all the terms of this Agreement as an employee of the Company does not and will not breach any agreement to keep in confidence proprietary information, knowledge or data acquired by me in confidence or in trust prior to my employment with the Company. I will not disclose to the Company or induce the Company to use any confidential or proprietary information or material belonging to any previous employer or others.

**11. Remedies Upon Breach.** I understand that the restrictions contained in this Agreement are necessary for the protection of the business and goodwill of the Company and I consider them to be reasonable for such purpose. Any breach of this Agreement is likely to cause the Company substantial and irrevocable damage and therefore, in the event of such breach, the Company, in addition to such other remedies which may be available, will be entitled to specific performance and other injunctive relief, without the posting of a bond. I further acknowledge that a court may render an award extending the Restricted Period as one of the remedies in the event of my violation of this Agreement. If I violate this Agreement, in addition to all other remedies available to the Company at law (including, without limitation, the Company’s right to discontinue any payments I may receive pursuant to Section 8(c)), in equity, and under contract, I agree that I am obligated to pay all the Company’s costs of enforcement of this Agreement, including reasonable attorneys’ fees and expenses.

**12. Use of Voice, Image and Likeness.** I give the Company permission to use any and all of my voice, image and likeness, with or without using my name, in connection with the products and/or services of the Company, for the purposes of advertising and promoting such products and/or services and/or the Company, and/or for other purposes deemed appropriate by the Company in its reasonable discretion, except to the extent prohibited by law.

**13. No Employment Obligation.** I understand that this Agreement does not create an obligation on the Company or any other person to continue my employment. I acknowledge that, unless otherwise agreed in a formal written employment agreement signed on behalf of the Company by an authorized officer, my employment with the Company is at will and therefore may be terminated by the Company or me at any time and for any reason, with or without cause.

**14. Survival and Assignment by the Company.** I understand that my obligations under this Agreement will continue in accordance with its express terms regardless of any changes in my title, position, duties, salary, compensation or benefits or other terms and conditions of employment. I further understand that my obligations under this Agreement will continue following the termination of my employment regardless of the manner of such termination and will be binding upon my heirs, executors and administrators. The Company will have the right to assign this Agreement to its affiliates, successors and assigns. I expressly consent to be bound by the provisions of this Agreement for the benefit of the Company or any parent, subsidiary or affiliate to whose employ I may be transferred without the necessity that this Agreement be resigned at the time of such transfer.



**15. Notice of Resignation.** If I elect to resign from my employment with the Company, I agree to provide the Company with written notification of my resignation at least 30 days prior to my intended resignation date. Such notice shall include information in reasonable detail about my post-employment job duties and other business activities, including the name and address of any subsequent employer and/or person or entity with whom or which I intend to engage in business activities during the Restricted Period and the nature of my job duties and other business activities. The Company may elect to waive all or part of the 30-day notice period in its sole discretion, and such waiver shall not result in a termination by the Company for purposes of this Agreement.

**16. Post-Employment Notifications.** During the Restricted Period, I will notify the Company of any change in my address and of each subsequent employment or business activity, including the name and address of my employer or other post-Company employment plans and the nature of my activities.

**17. Disclosures During Restricted Period.** I will provide a copy of this Agreement to any person or entity with whom I may enter into a business relationship, whether as an employee, consultant, partner, coventurer or otherwise, prior to entering into such business relationship during the Restricted Period.

**18. Waiver; Reduction of Restricted Period by Company.** The Company and I acknowledge and agree that the Company's election not to provide me with Garden Leave Pay as set forth in Section 8(c) shall be deemed a waiver of my noncompetition obligations under Section 8(c). Otherwise, no waiver of any of my obligations under this Agreement shall be effective unless made in writing by the Company. The failure of the Company to require my performance of any term or obligation of this Agreement, or the waiver of any breach of this Agreement, shall not prevent the Company's subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach. Notwithstanding anything to the contrary in Section 8, the Company may reduce the length of the Restricted Period by providing written notice to me of such reduction in connection with the ending of my employment relationship.

**19. Severability.** In case any provisions (or portions thereof) contained in this Agreement shall, for any reason, be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect the other provisions of this Agreement, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein. If, moreover, any one or more of the provisions contained in this Agreement shall for any reason be held to be excessively broad as to duration, geographical scope, activity or subject, it shall be construed by limiting and reducing it, so as to be enforceable to the extent compatible with the applicable law as it shall then appear.

**20. Choice of Law and Jurisdiction.** This Agreement will be deemed to be made and entered into in the Commonwealth of Massachusetts, and will in all respects be interpreted, enforced and governed under the laws of the Commonwealth of Massachusetts. I hereby consent to the exclusive jurisdiction of the state and federal courts situated within Massachusetts for purposes of enforcing this Agreement or for any other lawsuit relating to or arising under this Agreement, and I hereby waive any objection that I might have to personal jurisdiction or venue in those courts, provided, however, the Company and I agree that all civil actions relating to Section 8(c) of this Agreement shall be brought in the county of Suffolk and that the superior court or the business litigation session of the superior court shall have exclusive jurisdiction.

**21. Independence of Obligations.** My obligations under this Agreement are independent of any obligation, contractual or otherwise, the Company has to me. The Company's breach of any such obligation shall not be a defense against the enforcement of this Agreement or otherwise limit my obligations under this Agreement.

**22. Protected Disclosures.** I understand that nothing contained in this Agreement limits my ability to communicate with any federal, state or local governmental agency or commission, including to provide documents or other information, without notice to the Company. I also understand that nothing in this Agreement limits my ability to share compensation information concerning myself or others, except that this does not permit me to disclose compensation information concerning others that I obtain because my job responsibilities require or allow access to such information.

**23. Defend Trade Secrets Act of 2016.** I understand that pursuant to the federal Defend Trade Secrets Act of 2016, I shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that (a) is made (i) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (ii) solely for the purpose of reporting or investigating a suspected violation of law; or (b) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal.

**24. Entire Agreement; Amendment.** This Agreement constitutes the entire agreement between the Company and me with respect to the subject matter hereof, and supersedes all prior agreements or understandings, both written and oral, between the Company and me with respect to the subject matter hereof, but does not in any way merge with or supersede any other confidentiality, assignment of inventions or other restrictive covenant agreement or obligation entered into by the Company and me, which agreements and obligations shall supplement, and shall not limit or be limited by, this Agreement. This Agreement may be amended only in a written agreement executed by a duly authorized officer of the Company and me.

I UNDERSTAND THAT THIS AGREEMENT AFFECTS IMPORTANT RIGHTS. BY SIGNING BELOW, I CERTIFY THAT (I) I WAS PROVIDED WITH THIS AGREEMENT AT LEAST TEN (10) BUSINESS DAYS BEFORE THE EFFECTIVE DATE OF THIS AGREEMENT AND (II) I HAVE BEEN ADVISED BY THE COMPANY THAT I HAVE THE RIGHT TO CONSULT WITH COUNSEL PRIOR TO SIGNING THIS AGREEMENT.

I ACKNOWLEDGE AND AGREE THAT THE TERMS OF THIS AGREEMENT SHALL APPLY TO MY ENTIRE SERVICE RELATIONSHIP WITH THE COMPANY, INCLUDING WITHOUT LIMITATION ANY PERIOD OF SERVICE PRIOR TO THE DATE OF MY SIGNATURE BELOW.

IN WITNESS WHEREOF, the undersigned has executed this agreement as a sealed instrument and it shall become effective upon the later of the (i) full execution by both parties; or (ii) ten (10) business days after the Company provided me with notice of this Agreement.

EMPLOYEE

Signed: \_\_\_\_\_

Type or print name: \_\_\_\_\_

Date: \_\_\_\_\_

BLACK DIAMOND THERAPEUTICS, INC.

Signed: \_\_\_\_\_

Type or print name and job title: \_\_\_\_\_

Date: \_\_\_\_\_

**EXHIBIT A**

To: BLACK DIAMOND THERAPEUTICS, INC.

From: \_\_\_\_\_

Date: \_\_\_\_\_

SUBJECT: **Prior Inventions**

The following is a complete list of all inventions or improvements relevant to the subject matter of my employment by the Company that have been made or conceived or first reduced to practice by me alone or jointly with others prior to my engagement by the Company:

No inventions or improvements

See below:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional sheets attached

The following is a list of all patents and patent applications in which I have been named as an inventor:

None

See below:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

139 MAIN STREET  
CAMBRIDGE, MASSACHUSETTS

LEASE SUMMARY SHEET

**Execution Date:** March 27, 2019

**Tenant:** Black Diamond Therapeutics, Inc., a Delaware corporation

**Tenant's Mailing Address**  
**Prior to Occupancy:** 25 Health Sciences Drive  
Suite 105  
Stony Brook, NY 11790

**Landlord:** MIT 139 Main Street Leasehold LLC, a Massachusetts limited liability company

**Building:** 139 Main Street, Cambridge, Massachusetts. The Building consists of approximately 37,575 rentable square feet. The land on which the Building is located (the "**Land**") is more particularly described in Exhibit 1 attached hereto and made a part hereof. The Building and the Land are collectively hereinafter referred to as the "**Property**").

**Premises:** Approximately 2,357 rentable square feet of space on the third (3rd) floor of the Building, as more particularly shown as hatched, highlighted or outlined on the plan attached hereto as Exhibit 2 and made a part hereof (the "**Lease Plan**").

The Premises shall be measured according to the BOMA Standard Method for Measuring Floor Area in Office Buildings.

**Commencement Date:** The earlier of (a) the date on which the Premises are delivered to Tenant with Landlord's Work Substantially Complete (as such terms are defined in the Work Letter attached hereto as Exhibit 5) (targeted to occur on or about April 1, 2019), and (b) the date on which Tenant occupies the Premises for the Permitted Uses.

**Expiration Date:** The last day of third (3rd) Rent Year.<sup>1</sup>

**Extension Term:** Subject to Section 1.2 below, one (1) extension term of three (3) years.

<sup>1</sup> For the purposes of this Lease, the first "**Rent Year**" shall be defined as the period commencing as of the Commencement Date and ending on the last day of the month in which the first (1st) anniversary of the Commencement Date occurs; provided, however, if the Commencement Date occurs on the first day of a calendar month, then the first Rent Year shall expire on the day immediately preceding the first (1st) anniversary of the Commencement Date. Thereafter, "Rent Year" shall be defined as any subsequent twelve (12) month period during the term of this Lease.

**Permitted Uses:** Subject to the Legal Requirements (hereinafter defined), general office use and accessory uses in proportions consistent with the design of the Building.

<b><u>Base Rent:</u></b>	RENT YEAR	ANNUAL BASE RENT	MONTHLY PAYMENT	\$/RSF
	1	\$219,201.00	\$18,266.75	\$93.00
	2	\$224,681.03	\$18,723.42	\$95.33
	3	\$230,298.05	\$19,191.50	\$97.71

**Operating Costs and Taxes:** See Sections 5.2 and 5.3

**Tenant's Share:** A fraction, the numerator of which is the number of rentable square feet in the Premises and the denominator of which is the number of rentable square feet in the Building. As of the Execution Date, Tenant's Share is 6.27%.

**Tenant's Tax Share:** A fraction, the numerator of which is the number of rentable square feet in the Premises and the denominator of which is the number of rentable square feet in the Building recognized by the City of Cambridge as being used for purposes which are not exempt from real estate taxation as of the date on which the assessment is made for the tax year in question. As of the Execution Date, Tenant's Tax Share is 6.27%.

**Security Deposit/ Letter of Credit:** \$54,800.25

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EXHIBIT 13	SNDA FOR MASTER LEASE

THIS INDENTURE OF LEASE (this "**Lease**") is hereby made and entered into on the Execution Date by and between Landlord and Tenant.

This Lease and all of its terms, covenants, representations, warranties, agreements and conditions are in all respects subject and subordinate to that certain Master Lease Agreement dated as of September 29, 2017 by and between MIT 139 Main Street Fee Owner LLC, as landlord, and Landlord, as tenant (as it may be amended from time to time, the "**Master Lease**"), a redacted copy of which has been delivered to Tenant. Tenant acknowledges notice and full knowledge of all of the terms, covenants and conditions of the Master Lease. Landlord shall deliver simultaneously with its execution and delivery of this Lease, the Subordination, Non-Disturbance and Attornment Agreement further described in Section 20.1, in the form attached hereto as Exhibit 13, which Subordination, Non-Disturbance and Attornment Agreement shall be binding on Landlord, Tenant and MIT 139 Main Street Fee Owner LLC.

Each reference in this Lease to any of the terms and titles contained in any Exhibit attached to this Lease shall be deemed and construed to incorporate the data stated under that term or title in such Exhibit. All capitalized terms not otherwise defined herein shall have the meanings ascribed to them as set forth in the Lease Summary Sheet which is attached hereto and incorporated herein by reference.

## **1. LEASE GRANT; TERM; APPURTENANT RIGHTS; EXCLUSIONS**

**1.1 Lease Grant.** Landlord hereby leases to Tenant, and Tenant hereby leases from Landlord, the Premises upon and subject to terms and conditions of this Lease, for a term of years commencing on the Commencement Date and, unless earlier terminated or extended pursuant to the terms hereof, ending on the Expiration Date (the "**Initial Term**"; the Initial Term and the Extension Term, if duly exercised, are hereinafter collectively referred to as the "**Term**"). Once the Commencement Date is determined, Landlord and Tenant shall execute an agreement confirming the Commencement Date and the Expiration Date, in substantially the form attached hereto as Exhibit 3. Tenant's failure to execute and return any such agreement proposed by Landlord, or to provide written objection to the statements contained therein, within ten (10) business days after the date of Tenant's receipt thereof, shall be deemed an approval by Tenant of Landlord's determination of such dates as set forth therein. If Landlord does not Substantially Complete Landlord's Work and deliver the Premises to Tenant by June 1, 2019 (subject to Landlord's Force Majeure (as hereinafter defined) and any delays caused by Tenant), then for each day thereafter until such time as the Premises are delivered to Tenant with Landlord's Work Substantially Complete, Tenant shall receive a rent credit equal to one day's Base Rent. If Landlord for any reason does not Substantially Complete Landlord's Work and deliver the Premises to Tenant by August 1, 2019 (subject to Landlord's Force Majeure (as hereinafter defined) and any delays caused by Tenant), then Tenant may, at any time thereafter but prior to the date on which Landlord's Work is Substantially Complete, cancel this Lease by giving written notice of such cancellation to Landlord, whereupon Landlord shall promptly return the Security Deposit and any prepaid rent hereunder to Tenant and this Lease shall be null and void and of no further force and effect.

### **1.2 Extension Term.**

(a) Provided that the following conditions (the "**Extension Conditions**"), any or all of which may be waived by Landlord in its sole discretion, are satisfied: (i) Tenant, an Affiliate (hereinafter defined) and/or a Successor (hereinafter defined) is/are then occupying one hundred percent (100%) of the Premises; and (ii) there is no Event of Default (hereinafter defined) (1) as of the date of the Extension Notice (hereinafter defined), and (2) at the commencement of the Extension Term (hereinafter defined), Tenant shall have the option to extend the Initial Term for one (1) additional term of three (3) years (the "**Extension Term**"), commencing as of the expiration of the Initial Term. Tenant must exercise such option to extend, if at all, by giving Landlord written notice (the "**Extension Notice**") not

earlier than twelve (12) months and no later than nine (9) months prior to the expiration of the then-current term of this Lease, time being of the essence. Notwithstanding the foregoing, Landlord may nullify Tenant's exercise of its option to extend the Term by written notice to Tenant (the "**Nullification Notice**") if (A) on the date Landlord receives the Extension Notice there is an event which, with the passage of time and/or the giving of notice, would constitute an Event of Default hereunder and (B) Tenant fails to cure such default within the applicable cure period set forth in Section 18.1 after receipt of the Nullification Notice. Upon the satisfaction of the Extension Conditions and the timely giving of the Extension Notice without a subsequent nullification by Landlord, the Initial Term shall be deemed extended upon all of the terms and conditions of this Lease, except that Base Rent during the Extension Term shall be calculated in accordance with this Section 1.2. If Tenant fails to give a timely Extension Notice, as aforesaid, Tenant shall have no further right to extend the Initial Term. Notwithstanding the fact that Tenant's proper and timely exercise of such option to extend the Initial Term shall be self-executing, the parties shall promptly execute a lease amendment reflecting such Extension Term after Tenant validly exercises its option. The execution of such lease amendment shall not be deemed to waive any Event of Default or any an event which, with the passage of time and/or the giving of notice, would constitute an Event of Default hereunder.

(b) The Base Rent during the first Rent Year of the Extension Term (the "**Extension Term RY1 Base Rent**") shall be determined in accordance with the process described hereafter. Extension Term RY1 Base Rent shall be the greater of (i) one hundred two and one-half percent (102.5%) of Base Rent for the last Rent Year of the Initial Term, or (ii) the fair market rental value of the Premises then demised to Tenant as of the commencement of the Extension Term, as determined in accordance with the process described below, for renewals of office space in the East Cambridge/ Kendall Square area of equivalent quality, size, utility and location, with the length of the Extension Term, the credit standing of Tenant and all other relevant factors to be taken into account. Within thirty (30) days after receipt of the Extension Notice, Landlord shall deliver to Tenant written notice of its determination of the Extension Term RY1 Base Rent for the Extension Term. Tenant shall, within fifteen (15) days after receipt of such notice, notify Landlord in writing whether Tenant accepts or rejects Landlord's determination of the Extension Term RY1 Base Rent ("**Tenant's Response Notice**"). If Tenant fails timely to deliver Tenant's Response Notice, Landlord's determination of the Extension Term RY1 Base Rent shall be binding on Tenant.

(c) If and only if Tenant's Response Notice is timely delivered to Landlord and indicates both that Tenant rejects Landlord's determination of the Extension Term RY1 Base Rent and desires to submit the matter to the determination process described in this Section 1.2(c) (the "**Determination Process**"), then the Extension Term RY1 Base Rent shall be determined in accordance with the procedure set forth in this Section 1.2(c). In such event, within ten (10) days after receipt by Landlord of Tenant's Response Notice indicating Tenant's desire to submit the determination of the Extension Term RY1 Base Rent to the Determination Process, Tenant and Landlord shall each notify the other, in writing, of their respective selections of an appraiser (respectively, "**Landlord's Appraiser**" and "**Tenant's Appraiser**"). Landlord's Appraiser and Tenant's Appraiser shall then jointly select a third appraiser (the "**Third Appraiser**") within ten (10) days of their appointment. All of the appraisers selected shall be individuals with at least ten (10) consecutive years' commercial appraisal experience in the area in which the Premises are located, shall be members of the Appraisal Institute (M.A.I.), and, in the case of the Third Appraiser, shall not have acted in any capacity for either Landlord or Tenant within five (5) years of his or her selection. The three appraisers shall determine the Extension Term RY1 Base Rent in accordance with the requirements and criteria set forth in Section 1.2(b) above, employing the method commonly known as *Baseball Arbitration*, whereby Landlord's Appraiser and Tenant's Appraiser each sets forth its determination of the Extension Term RY1 Base Rent as defined above, and the Third Appraiser must select one or the other (it being understood that the Third Appraiser shall be expressly prohibited from selecting a compromise figure). Landlord's Appraiser and Tenant's Appraiser shall

deliver their determinations of the Extension Term RY1 Base Rent to the Third Appraiser within five (5) days of the appointment of the Third Appraiser and the Third Appraiser shall render his or her decision within ten (10) days after receipt of both of the other two determinations of the Extension Term RY1 Base Rent. The Third Appraiser's decision shall be binding on both Landlord and Tenant. Each party shall bear the cost of its own appraiser and the cost of the Third Appraiser shall be paid by the party whose determination is not selected.

(d) Commencing on the first day of the second Rent Year of the Extension Term, Base Rent shall increase annually by two and one-half percent (2.5%), effective as of the first day of each Rent Year.

### **1.3 Intentionally Omitted.**

### **1.4 Appurtenant Rights.**

(a) Common Areas. Subject to the terms of this Lease and the Rules and Regulations (hereinafter defined), Tenant shall have, as appurtenant to the Premises, rights to use in common with others entitled thereto the areas designated from time to time for the common use of tenants of the Property (such areas are hereinafter referred to as the "Common Areas"). The Common Areas include: (i) the common lobby(ies), loading docks, hallways, elevators and stairways of the Building, (ii) common walkways necessary for access to the Building, (iii) if the Premises include less than the entire rentable area of any floor, the common restrooms and other common facilities of such floor; (iv) roof terrace located on the fifth (5th) floor of the Building; and (v) other areas designated by Landlord from time to time for the common use of tenants of the Property, including any conference, fitness or kitchenette facilities; and no other appurtenant rights or easements.

(b) Intentionally Omitted.

### **1.5 Tenant's Access.**

(a) From and after the Commencement Date and until the end of the Term, Tenant shall have access to the Premises twenty-four (24) hours a day, seven (7) days a week, subject to Legal Requirements, the Rules and Regulations, the terms of this Lease, Landlord's Force Majeure (hereinafter defined) and matters of record. As used in this Lease, the term "Landlord's Force Majeure" shall mean delays in performance of any act required hereunder, other than the payment of money due under this Lease, due to riots, acts of God, war, acts of terrorism, governmental regulation, unusual scarcity of or inability to obtain labor or materials, labor difficulties, casualty or any other causes reasonably beyond Landlord's control.

(b) Subject to Article 9 below, Tenant shall have the right to access the Premises, at Tenant's sole risk, at times reasonably approved by Landlord prior to the Commencement Date for purposes reasonably related to taking measurements, the installation of Tenant's wiring and cabling and the installation of Tenant's furniture, personal property and equipment, provided such access does not interfere with the preparation for or performance of Landlord's Work (as defined in Exhibit 5). Tenant shall, prior to the first entry to the Premises pursuant to this Section 1.5(b), provide Landlord with certificates of insurance evidencing that the insurance required in Article 12 hereof is in full force and effect and covering any person or entity entering the Building. Tenant shall defend, indemnify and hold the Landlord Parties (hereinafter defined) harmless from and against any and all Claims (hereinafter defined) for injury to persons or property resulting from or relating to Tenant's access to and use of the Premises prior to the Commencement Date as provided under this Section 1.5(b). Tenant shall coordinate any access to the Premises prior to the Commencement Date with Landlord's property manager.

**1.6 Exclusions.** The following are expressly excluded from the Premises and reserved to Landlord: all the perimeter walls of the Premises (except the inner surfaces thereof), the Common Areas, and any space in or adjacent to the Premises used for shafts, stacks, pipes, conduits, wires and appurtenant fixtures, fan rooms, ducts, electric or other utilities, sinks or other Building facilities, and the use of all of the foregoing, except as expressly permitted pursuant to Section 1.4(a) above.

## **2. RIGHTS RESERVED TO LANDLORD**

**2.1 Additions and Alterations.** Landlord reserves the right, at any time and from time to time, to make such changes, alterations, additions, improvements, repairs, replacements or testing in or to the Property (including the Premises but, with respect to the Premises, only for purposes of repairs, maintenance, replacements and the exercise of any other rights reserved to Landlord herein) and the fixtures and equipment therein, as well as in or to the street entrances and/or the Common Areas and/or the parking areas serving the Building for the parking of passenger vehicles (the “**Parking Areas**”), as it may deem necessary or desirable. Landlord expressly reserves the right to temporarily close all, or any portion, of the Common Areas or the Parking Areas for the purpose of testing or making repairs or changes thereto. Notwithstanding the immediately foregoing sentence, Landlord further expressly reserves the right, at any time and from time to time, to alter, modify or close (temporarily or permanently) those Common Areas that consist of any conference, fitness or kitchenette facilities, including converting any such Common Areas to rentable premises. Landlord shall use reasonable efforts to minimize interference with Tenant’s use or occupancy of the Premises in connection with any such temporary closure of the Common Areas or Parking Areas by Landlord.

### **2.2 Additions to the Property.**

(a) Landlord may, at any time and from time to time, (i) construct additional improvements and related site improvements (collectively, “**Future Development**”) in all or any part of the Property, (ii) change the location or arrangement of (A) any improvement outside the Building in or on the Property and/or (B) all or any part of the Common Areas, and/or (iii) add or deduct any land to or from the Property; provided that there shall be no material increase in Tenant’s obligations or no material loss of any of Tenant’s rights under this Lease in connection with the exercise of the foregoing reserved rights.

**2.3 Landlord’s Access.** Subject to the terms hereof, Tenant shall (a) upon reasonable advance notice, which may be oral (except that no notice shall be required in emergency situations), permit Landlord and any holder of a Mortgage (hereinafter defined) (each such holder, a “**Mortgagee**”), and their respective agents, representatives, employees and contractors, to have access to the Premises at all reasonable hours for the purposes of inspection, making repairs, replacements or improvements in or to the Premises or the Building or equipment therein (including sanitary, electrical, heating, air conditioning or other systems), complying with all applicable laws, ordinances, rules, regulations, statutes, by-laws, court decisions and orders and requirements of all public authorities (collectively, “**Legal Requirements**”), or exercising any right reserved to Landlord under this Lease (including the right to take upon or through, or to keep and store within the Premises all necessary materials, tools and equipment); (b) permit Landlord and its agents and employees, at reasonable times, upon reasonable advance notice, to show the Premises during normal business hours (i.e., Monday—Friday 8:00 AM – 6:00 PM, Saturday 9:00 AM – 1:00 PM, excluding holidays) to any prospective Mortgagee or purchaser of the Building and/or the Property or of the interest of Landlord therein, and, during the last twelve (12) months of the Term, or at any time after the occurrence of an Event of Default, prospective tenants; (c) upon reasonable prior written notice from Landlord, permit Landlord and its agents, at Landlord’s sole cost and expense, to perform environmental audits, environmental site investigations and environmental site assessments (“**Site Assessments**”) in, on, under and at the Premises and the Land, it being understood

that Landlord shall repair any damage arising as a result of the Site Assessments, and such Site Assessments may include both above and below the ground testing and such other tests as may be necessary or appropriate to conduct the Site Assessments; and (d) in case any excavation shall be made for building or improvements or for any other purpose upon the land adjacent to or near the Premises, afford without charge to Landlord, or the persons or entities causing or making such excavation, license to enter upon the Premises for the purpose of doing such work as Landlord or such persons or entities shall deem necessary to preserve the Building from injury, and to protect the Building by proper securing of foundations. As used in the foregoing clauses (a) through (d), the term “reasonable advance notice” or “reasonable prior notice” shall not require Landlord to provide oral or written notice more than twenty-four (24) hours in advance of any access to the Premises, and no prior notice shall be required in the event of an emergency. In connection with any access by Landlord under this Section 2.3, Tenant shall be entitled to have a representative present during such access, however, the presence of such Tenant representative shall not be a precondition to any such access. In addition, to the extent that it is necessary to enter the Premises in order to access any area that serves any portion of the Building outside the Premises, then Tenant shall, upon as much advance notice as is practical under the circumstances, and in any event at least twenty-four (24) hours’ prior written notice (except that no notice shall be required in emergency situations), permit contractors engaged by other occupants of the Building to pass through the Premises in order to access such areas but only if accompanied by a representative of Landlord. The parties agree and acknowledge that, despite reasonable and customary precautions (which Landlord agrees it shall exercise), any property or equipment in the Premises may nevertheless be damaged in the course of performing Landlord’s obligations. Accordingly, Tenant shall take reasonable protective precautions with its property and equipment.

**2.4 Pipes, Ducts and Conduits.** Tenant shall permit Landlord to erect, use, maintain and relocate pipes, ducts and conduits in and through the Premises, provided the same do not materially reduce the floor area or materially adversely affect the appearance thereof.

**2.5 Minimize Interference.** Except in the event of an emergency, Landlord shall use commercially reasonable efforts, consistent with accepted construction practice when applicable, to minimize any materially adverse interference with Tenant’s use and occupancy of, the Premises as a result of the exercise of Landlord’s rights under Sections 2.1-2.4 above. Tenant agrees to cooperate with Landlord as reasonably necessary in connection with the exercise of Landlord’s rights under this Article 2. Subject to Landlord’s obligations under this Section 2.5, Tenant further agrees that dust, noise, vibration, closures of Common Areas, or other inconvenience or annoyance resulting from the exercise of Landlord’s rights under this Article 2 shall not be deemed to be a breach of Landlord’s obligations under the Lease.

**2.6 Construction in Vicinity.** Tenant acknowledges that (a) Landlord and/or its affiliates (“**Neighboring Owners**”) own several properties in the vicinity of the Building, (b) during the Term, the Neighboring Owners may undertake various construction projects, which may include the construction of new and/or additional buildings (each, a “**Project**,” and collectively, the “**Projects**”), and (c) customary construction impacts (taking into account the urban nature of the Property, the proximity of the Building to the Project site and other relevant factors) may result therefrom. In no event shall Landlord be liable to Tenant for any compensation or reduction of rent or any other damages arising from the Projects and Tenant shall not have the right to terminate the Lease due to the construction of the Projects, nor shall the same give rise to a claim in Tenant’s favor that such construction constitutes actual or constructive, total or partial, eviction from the Premises. Notwithstanding any provision in this Lease to the contrary, in no event shall Tenant seek injunctive or any similar relief to stop, delay or modify any Project. Tenant acknowledges and agrees that Landlord has informed Tenant that a Neighboring Owner is currently undertaking a Project at One Broadway, Cambridge, Massachusetts, which is adjacent to the Property, and Tenant has elected to proceed with entering into this Lease with full knowledge of the existence of such Project.

**3. CONDITION OF PREMISES; CONSTRUCTION.** On the Commencement Date, Landlord shall deliver the Premises to Tenant with the Variable Air Volume HVAC system, electrical and plumbing systems, elevator and fire alarm and fire protection systems serving the Premises in good working order and condition, and with Landlord's Work Substantially Complete. Subject to the immediately foregoing sentence, Tenant acknowledges and agrees that Tenant is leasing the Premises in their "**AS IS**," "**WHERE IS**" condition and with all faults on the Commencement Date, without representations or warranties, express or implied, in fact or by law, of any kind, and without recourse to Landlord.

#### **4. USE OF PREMISES**

**4.1 Permitted Uses.** During the Term, Tenant shall use the Premises only for the Permitted Uses and for no other purposes. Service and utility areas (whether or not a part of the Premises) shall be used only for the particular purpose for which they are designed.

#### **4.2 Prohibited Uses.**

(a) Notwithstanding any other provision of this Lease, Tenant shall not use the Premises or the Building, or any part thereof, or suffer or permit the use or occupancy of the Premises or the Building or any part thereof by any of the Tenant Parties (hereinafter defined) (i) in a manner which would violate any of the covenants, agreements, terms, provisions and conditions of this Lease or otherwise applicable to or binding upon the Premises; (ii) in a manner which, in the reasonable judgment of Landlord (taking into account the Building for office use and the Permitted Uses) shall (a) impair the appearance or reputation of the Building; (b) impair, interfere with or otherwise diminish the quality of any of the Building services or the proper and economic heating, cleaning, ventilating, air conditioning or other servicing of the Building or Premises, or the use of any of the Common Areas; (c) occasion discomfort, inconvenience or annoyance in any material respect, or cause any injury or damage to any occupants of the Premises or other tenants or occupants of the Building or their property; or (d) cause harmful air emissions or any unusual or other objectionable odors, noises or emissions to emanate from the Premises; (iii) in a manner which shall increase such insurance rates on the Building or on property located therein over that applicable when Tenant first took occupancy of the Premises hereunder; or (vii) in violation of any exclusive use granted to any other tenant in the Building.

(b) With respect to the use and occupancy of the Premises and the Common Areas, Tenant will not: (i) place or maintain any signage (except as may be permitted by Article 10 below), Trash (hereinafter defined) or other articles in any vestibule or entry of the Premises, on the footwalks or corridors adjacent thereto or elsewhere on the exterior of the Premises, nor obstruct any driveway, corridor, footwalk, parking area, mall or any other Common Areas; (ii) permit undue accumulations of or burn garbage, trash, rubbish or other refuse (collectively, "**Trash**") within or outside of the Premises; (iii) permit the parking of vehicles so as to interfere with the use of any driveway, corridor, footwalk, parking area, or other Common Areas; (iv) receive or ship articles of any kind outside of those areas reasonably designated by Landlord; (v) conduct or permit to be conducted any auction, going out of business sale, bankruptcy sale (unless directed by court order), or other similar type sale in or connected with the Premises; (vi) use the name of Landlord, or any of Landlord's affiliates or subsidiaries in any publicity, promotion, press release, advertising, printed, electronic or display materials without Landlord's prior written consent (which may be withheld in Landlord's sole discretion); (vii) permit any animals other than service animals in the Building; or (viii) except in connection with Alterations (hereinafter defined) approved by Landlord, cause or permit any hole to be drilled or made in any part of the Building.



## 5. RENT; ADDITIONAL RENT

**5.1 Base Rent.** During the Term, Tenant shall pay to Landlord Base Rent in equal monthly installments, in advance and without demand on the first day of each month for and with respect to such month. Unless otherwise expressly provided herein, the payment of Base Rent and additional rent and other charges reserved and covenanted to be paid under this Lease with respect to the Premises (collectively, "**Rent**") shall commence on the Commencement Date and shall be prorated for any partial months. Base Rent for the first (1st) month of the Term shall be due simultaneously with Tenant's execution and delivery of this Lease to Landlord. Rent shall be payable to Landlord or, if Landlord shall so direct by fifteen (15) days' prior written notice, to Landlord's agent or nominee, in lawful money of the United States.

### 5.2 Operating Costs.

(a) **Payment of Operating Costs.** Tenant shall pay to Landlord, as additional rent, Tenant's Share of Operating Costs (as defined in Exhibit 6 attached hereto). Landlord may make a good faith estimate of the Operating Costs for any fiscal year (wholly or partially) occurring during the Term, and Tenant shall pay to Landlord, on the first (1st) day of each calendar month, an amount equal to Tenant's Share of the Operating Costs for such fiscal year and/or part thereof divided by the number of months therein. Landlord may estimate and re-estimate Tenant's Share of the Operating Costs and deliver a copy of the estimate or re-estimate to Tenant. Thereafter, the monthly installments of Tenant's Share of the Operating Costs shall be appropriately adjusted in accordance with the estimations so that, by the end of the fiscal year in question, Tenant shall have paid all of Tenant's Share of the Operating Costs as estimated by Landlord. Any amounts paid based on such an estimate shall be subject to adjustment as herein provided when the actual Operating Costs are available for each fiscal year.

(b) **Annual Reconciliation.** Landlord shall, within one hundred twenty (120) days after the end of each fiscal year, deliver to Tenant a reasonably detailed statement of the actual amount of Operating Costs for such fiscal year ("**Year End Statement**"). Failure of Landlord to provide the Year End Statement within the time prescribed shall not relieve Tenant from its obligations hereunder; provided, however, that if Landlord shall fail to provide the Year End Statement to Tenant within twelve (12) months from the date such Year End Statement is due, then Tenant shall not be obligated to pay Landlord for any Operating Costs that were under-billed by Landlord during the fiscal year to which such Year End Statement applies. If the total of such monthly remittances on account of any fiscal year is greater than Tenant's Share of the Operating Costs actually incurred for such fiscal year, then, provided there is no Event of Default nor any event which, with the passage of time and/or the giving of notice would constitute an Event of Default, Tenant may credit the difference against the next installment of additional rent on account of Operating Costs due hereunder, except that if such difference is determined after the end of the Term, Landlord shall refund such difference to Tenant within thirty (30) days after such determination to the extent that such difference exceeds any amounts then due from Tenant to Landlord (it being understood and agreed that if Tenant cures any default prior to the expiration of the notice and/or cure periods set forth in Section 18.1 below, Tenant shall then be entitled to take such credit). If the total of such remittances is less than Tenant's Share of the Operating Costs actually incurred for such fiscal year, Tenant shall pay the difference to Landlord, as additional rent hereunder, within thirty (30) days of Tenant's receipt of an invoice therefor. Landlord's estimate of the Operating Costs for the next fiscal year shall be based upon the Operating Costs actually incurred for the prior fiscal year as reflected in the Year-End Statement plus a reasonable adjustment based upon estimated increases in Operating Costs.

(c) **Part Years.** If the Commencement Date or the Expiration Date occurs in the middle of a fiscal year, Tenant shall be liable for only that portion of the Operating Costs with respect to such fiscal year within the Term.

(d) **Gross-Up.** If, during any fiscal year, less than 95% of the Building is occupied by tenants or if Landlord was not supplying at least 95% of tenants with the services being supplied to Tenant hereunder, actual Operating Costs incurred shall be reasonably extrapolated by Landlord on an item-by-item basis to the reasonable Operating Costs that would have been incurred if the Building was 95% occupied and such services were being supplied to 95% of tenants, and such extrapolated Operating Costs shall, for all purposes hereof, be deemed to be the Operating Costs for such fiscal year. Only those components of Operating Costs that are affected by variations in occupancy levels shall be “grossed up” in accordance herewith.

### 5.3 Taxes.

(a) **Payment of Taxes.** Tenant shall pay to Landlord, as additional rent, Tenant’s Tax Share of Taxes (as defined in Exhibit 7 attached hereto). Landlord may make a good faith estimate of the Taxes to be due by Tenant for any Tax Period (as defined in Exhibit 7 attached hereto) or part thereof during the Term, and Tenant shall pay to Landlord, on the Commencement Date and on the first (1st) day of each calendar month thereafter, an amount equal to Tenant’s Tax Share of Taxes for such Tax Period or part thereof divided by the number of months therein. Landlord may estimate and re-estimate Tenant’s Tax Share of Taxes and deliver a copy of the estimate or re-estimate to Tenant. Thereafter, the monthly installments of Tenant’s Tax Share of the Taxes shall be appropriately adjusted in accordance with the estimations so that, by the end of the Tax Period in question, Tenant shall have paid all of Tenant’s Tax Share of the Taxes as estimated by Landlord. Any amounts paid based on such an estimate shall be subject to adjustment as herein provided when actual Taxes are available for each Tax Period. If the total of such monthly remittances is greater than Tenant’s Tax Share of Taxes actually due for such Tax Period, then, provided no Event of Default has occurred nor any event which, with the passage of time and/or the giving of notice would constitute an Event of Default, Tenant may credit the difference against the next installment of additional rent on account of Taxes due hereunder, except that if such difference is determined after the end of the Term, Landlord shall refund such difference to Tenant within thirty (30) days after such determination to the extent that such difference exceeds any amounts then due from Tenant to Landlord (it being understood and agreed that if Tenant cures any default prior to the expiration of the notice and/or cure periods set forth in Section 18.1 below, Tenant shall then be entitled to take such credit). If the total of such remittances is less than Tenant’s Tax Share of Taxes actually due for such Tax Period, Tenant shall pay the difference to Landlord, as additional rent hereunder, within thirty (30) days of Tenant’s receipt of an invoice therefor. Landlord’s estimate for the next Tax Period shall be based upon the actual Taxes to the Property for the prior Tax Period plus a reasonable adjustment based upon estimated increases in Taxes. In the event that Payments in Lieu of Taxes (“**PILOT**”), instead of or in addition to Taxes, are separately assessed to certain portions of the Property including the Premises, Tenant agrees, except as otherwise expressly provided herein to the contrary, to pay to Landlord, as additional rent, Tenant’s Tax Share of the portion of such PILOT attributable to the Premises in the same manner as provided above for the payment of Taxes.

(b) **Effect of Abatements.** Appropriate credit against Taxes or PILOT shall be given for any refund obtained by reason of a reduction in any Taxes by the assessors or the administrative, judicial or other governmental agency responsible therefor after deduction of Landlord’s expenditures for reasonable legal fees and for other reasonable expenses incurred in obtaining the Tax or PILOT refund.

(c) **Part Years.** If the Commencement Date or the Expiration Date occurs in the middle of a Tax Period, Tenant shall be liable for only that portion of the Taxes, as the case may be, with respect to such Tax Period within the Term.

#### 5.4 Late Payments.

(a) Any payment of Rent due hereunder not paid when due shall bear interest for each month or fraction thereof from the due date until paid in full at the annual rate of twelve percent (12%), or at any applicable lesser maximum legally permissible rate for debts of this nature (the "**Default Rate**"). Additionally, for any payment of Rent due hereunder not paid when due, Landlord may charge Tenant an administrative fee of \$250. Acceptance of interest or any partial payment shall not constitute a waiver of Tenant's default with respect to the overdue amount or prevent Landlord from exercising any of the other rights and remedies available to Landlord under this Lease or at law or in equity now or hereafter in effect.

(b) For each Tenant payment check to Landlord that is returned by a bank for any reason, Tenant shall pay a returned check charge equal to the amount as shall be customarily charged by Landlord's bank at the time.

(c) Money paid by Tenant to Landlord shall be applied to Tenant's account in the following order: first, to any unpaid additional rent, including late charges, returned check charges, legal fees and/or court costs chargeable to Tenant hereunder; and then to unpaid Base Rent.

**5.5 No Offset; Independent Covenants; Waiver.** Rent shall be paid without notice or demand, and without setoff, counterclaim, defense, abatement, suspension, deferment, reduction or deduction, except as expressly provided herein. TENANT WAIVES ALL RIGHTS (I) TO ANY ABATEMENT, SUSPENSION, DEFERMENT, REDUCTION OR DEDUCTION OF OR FROM RENT, AND (II) TO QUIT, TERMINATE OR SURRENDER THIS LEASE OR THE PREMISES OR ANY PART THEREOF, EXCEPT AS EXPRESSLY PROVIDED HEREIN. TENANT HEREBY ACKNOWLEDGES AND AGREES THAT THE OBLIGATIONS OF TENANT UNDER THIS LEASE SHALL BE SEPARATE AND INDEPENDENT COVENANTS AND AGREEMENTS, THAT RENT SHALL CONTINUE TO BE PAYABLE IN ALL EVENTS AND THAT THE OBLIGATIONS OF TENANT HEREUNDER SHALL CONTINUE UNAFFECTED, UNLESS THE REQUIREMENT TO PAY OR PERFORM THE SAME SHALL HAVE BEEN TERMINATED PURSUANT TO AN EXPRESS PROVISION OF THIS LEASE. LANDLORD AND TENANT EACH ACKNOWLEDGES AND AGREES THAT THE INDEPENDENT NATURE OF THE OBLIGATIONS OF TENANT HEREUNDER REPRESENTS FAIR, REASONABLE, AND ACCEPTED COMMERCIAL PRACTICE WITH RESPECT TO THE TYPE OF PROPERTY SUBJECT TO THIS LEASE, AND THAT THIS AGREEMENT IS THE PRODUCT OF FREE AND INFORMED NEGOTIATION DURING WHICH BOTH LANDLORD AND TENANT WERE REPRESENTED BY COUNSEL SKILLED IN NEGOTIATING AND DRAFTING COMMERCIAL LEASES IN MASSACHUSETTS, AND THAT THE ACKNOWLEDGEMENTS AND AGREEMENTS CONTAINED HEREIN ARE MADE WITH FULL KNOWLEDGE OF THE HOLDING IN WESSON V. LEONE ENTERPRISES, INC., 437 MASS. 708 (2002). SUCH ACKNOWLEDGEMENTS, AGREEMENTS AND WAIVERS BY TENANT ARE A MATERIAL INDUCEMENT TO LANDLORD ENTERING INTO THIS LEASE.

**5.6 Survival.** Any obligations under this Article 5 which shall not have been paid at the expiration or earlier termination of the Term shall survive such expiration or earlier termination and shall be paid when and as the amount of same shall be determined and be due.

#### 6. SECURITY DEPOSIT/ LETTER OF CREDIT

**6.1 Amount.** Contemporaneously with the execution of this Lease, Tenant shall deliver to Landlord an irrevocable letter of credit which shall (a) be in the amount specified in the Lease Summary Sheet and otherwise in the form attached hereto as Exhibit 8; (b) issued by a FDIC insured financial institution reasonably acceptable to Landlord upon which presentment may be made in Boston, Massachusetts; and (c) be for a term of one (1) year, subject to extension in accordance with the terms hereof (the "**Letter of**

**Credit**”). The Letter of Credit shall be held by Landlord, without liability for interest, as security for the faithful performance by Tenant of all of the terms, covenants and conditions of this Lease by the Tenant to be kept and performed during the Term. In no event shall the Letter of Credit be deemed to be a prepayment of Rent nor shall it be considered a measure of liquidated damages. Unless the Letter of Credit is automatically renewing, at least thirty (30) days prior to the maturity date of the Letter of Credit (or any replacement Letter of Credit), Tenant shall deliver to Landlord a replacement Letter of Credit which shall have a maturity date no earlier than the next anniversary of the Commencement Date or one (1) year from its date of delivery to Landlord, whichever is later. In the event that the Extension Term RY1 Base Rent during any Extension Term is greater than Base Rent during the previous term, the face amount of the Letter of Credit may be proportionately increased at Landlord’s discretion.

**6.2 Application of Proceeds of Letter of Credit.** Upon any default of Tenant under this Lease beyond any applicable notice and cure periods, or if any proceeding shall be instituted by or against Tenant pursuant to any of the provisions of any Act of Congress or State law relating to bankruptcy, reorganizations, arrangements, compositions or other relief from creditors (and, in the case of any proceeding instituted against it, if Tenant shall fail to have such proceedings dismissed within sixty (60) days) or if Tenant is adjudged bankrupt or insolvent as a result of any such proceeding, or upon the end of the Term if there remains any uncured default of which Tenant shall have received notice, Landlord, in its sole discretion, may draw down all or a part of the Letter of Credit. The balance of any Letter of Credit cash proceeds shall be held in accordance with Section 6.4 below. Should the entire Letter of Credit, or any portion thereof, be drawn down by Landlord, Tenant shall, upon the written demand of Landlord, deliver a replacement Letter of Credit in the amount drawn, and Tenant’s failure to do so within ten (10) days after receipt of such written demand shall constitute an additional Event of Default hereunder without further notice or an opportunity to cure. The application of all or any part of the cash proceeds of the Letter of Credit to any obligation or default of Tenant under this Lease shall not deprive Landlord of any other rights or remedies Landlord may have nor shall such application by Landlord constitute a waiver by Landlord.

**6.3 Transfer of Letter of Credit.** In the event that Landlord transfers its interest in the Premises, Tenant shall upon notice from and at no cost to Landlord, deliver to Landlord an amendment to the Letter of Credit or a replacement Letter of Credit naming Landlord’s successor as the beneficiary thereof. If Tenant fails to deliver such amendment or replacement within ten (10) days after written notice from Landlord, Landlord shall have the right to draw down the entire amount of the Letter of Credit and hold the proceeds thereof in accordance with Section 6.4 below.

**6.4 Security Deposit.** Landlord shall hold the balance of proceeds remaining after a draw on the Letter of Credit (each hereinafter referred to as the “**Security Deposit**”) as security for Tenant’s performance of all its Lease obligations. After a default of Tenant under this Lease beyond any applicable notice and cure periods, or upon the end of the Term if there remains any uncured default of which Tenant shall have received notice, Landlord may apply the Security Deposit, or any part thereof, to Landlord’s damages without prejudice to any other Landlord remedy. Should Landlord apply all or any portion of the Security Deposit, Tenant shall, upon the written demand of Landlord, deliver cash in the amount applied, and Tenant’s failure to do so within ten (10) days after receipt of such written demand shall constitute an additional Event of Default hereunder without further notice or opportunity to cure. Additionally, if Landlord applies all or any portion of the Security Deposit as aforesaid, Tenant shall have the right to deliver a replacement Letter of Credit in the form and amount required hereunder, and upon receipt of such replacement Letter of Credit, Landlord shall return the unapplied Security Deposit to Tenant. Landlord has no obligation to pay interest on the Security Deposit and may co-mingle the Security Deposit with Landlord’s funds. If Landlord conveys its interest under this Lease, the Security Deposit, or any part not applied previously, may be turned over to the grantee in which case Tenant shall look solely to the grantee for the proper application and return of the Security Deposit.

**6.5 Return of Security Deposit or Letter of Credit.** Should Tenant comply with all of such terms, covenants and conditions and promptly pay all sums payable by Tenant to Landlord hereunder, the Security Deposit and/or Letter of Credit or the remaining proceeds therefrom, as applicable, shall be returned to Tenant within sixty (60) days after the end of the Term, less any portion thereof which may have been utilized by Landlord to cure any default or applied to any actual damage suffered by Landlord.

## **7. UTILITIES, HVAC; WASTE REMOVAL**

**7.1 Electricity.** Commencing on the Commencement Date, Tenant shall pay all charges for electricity furnished to the Premises and/or any equipment exclusively serving the Premises as additional rent, based on reasonable estimates by Landlord for such services, without markup.

**7.2 Water.** Landlord shall provide hot and cold water to the kitchenette area in the Premises, if any. Notwithstanding anything set forth herein to the contrary, the costs of water and sewer for the Building are included in Operating Costs; provided, however, if Tenant uses quantities of water in excess of normal use for the Permitted Uses, Landlord may charge Tenant, as additional rent hereunder, for its share of water and sewer charges for the Building, as reasonably estimated by Landlord, and Tenant shall pay such charges within thirty (30) days of receipt of any invoice. If Landlord charges Tenant for its excessive use of water and sewer, Landlord shall provide Tenant with reasonable back-up documentation regarding the total charges and the method of allocating the charges to Tenant.

**7.3 Heat, Ventilating and Air Conditioning.** Landlord shall provide to the Premises during normal business hours (as set forth in Section 2.3 above) heating and cooling in accordance with the Landlord/Tenant Responsibilities Matrix attached hereto as Exhibit 5A. Whenever the air conditioning systems are in operation, Tenant agrees to lower and close the blinds or drapes when necessary because of the sun's position, and to cooperate fully with Landlord with regard to, and to abide by all the reasonable regulations and requirements which Landlord may prescribe for the proper functioning and protection of the air conditioning systems. Landlord shall use reasonable efforts, upon no less than one (1) business day's advance written notice from Tenant, to furnish, at Tenant's sole cost and expense, additional heat or air conditioning services to the Premises on days and at times other than as above provided at Landlord's standard rates from time to time (which shall not exceed Landlord's actual costs). Tenant, at its sole cost and expense, shall be responsible for the installation of, and charges for, any supplemental cooling equipment Tenant may require for any computer server room or any other similar areas in excess of the cooling to be provided by Landlord pursuant to the Landlord/Tenant Responsibilities Matrix attached hereto as Exhibit 5A. The installation of any such supplemental cooling equipment shall be performed by Tenant in accordance with Article 9 of this Lease.

**7.4 Other Utilities; Utility Information.** Subject to Landlord's reasonable rules and regulations governing the same, Tenant shall obtain and pay, as and when due, for all other utilities and services consumed in and/or furnished to the Premises, together with all taxes, penalties, surcharges and maintenance charges pertaining thereto. Within ten (10) business days after Landlord's request from time to time, Tenant shall provide Landlord with reasonably detailed information regarding Tenant's utility usage in the Premises.

**7.5 Interruption or Curtailment of Utilities.** When necessary by reason of accident or emergency, or for repairs, alterations, replacements or improvements which in the reasonable judgment of Landlord are desirable or necessary to be made, Landlord reserves the right, upon no less than twenty-four (24) hours' notice except in the event of an emergency, to interrupt, curtail, or stop the following services ("Services"): (i) the furnishing of hot and/or cold water, (ii) the operation of the plumbing and electric systems, and/or (iii) HVAC services. Landlord shall exercise reasonable diligence to eliminate the cause of any such interruption, curtailment, stoppage or suspension, but there shall be no diminution or

abatement of Rent or other compensation due from Landlord to Tenant hereunder, nor shall this Lease be affected or any of Tenant's obligations hereunder reduced, and Landlord shall have no responsibility or liability for any such interruption, curtailment, stoppage, or suspension of services or systems, except as set forth below. Landlord's failure to provide (or cause to be provided) the Services or any other service required to be provided by Landlord under this Lease (thereby rendering the Premises or a portion thereof substantially untenable) (a "Service Failure") such that, for the duration of the Landlord Service Interruption Cure Period (as hereinafter defined), the continued operation in the ordinary course of Tenant's business in any portion of the Premises is materially and adversely affected and if Tenant ceases to use the affected portion of the Premises in the ordinary course (the "Affected Portion") during the period of untenability as the direct result of a Service Failure, then, provided that Landlord's inability to cure such condition is not caused by the acts or wrongful omissions of any of the Tenant Parties (as hereinafter defined), Base Rent and Tenant's obligation to pay additional Rent on account of Operating Costs and Taxes shall be equitably abated from and after the event giving rise to such interruption until the day such condition is corrected. For the purposes hereof, the "Landlord Service Interruption Cure Period" shall be defined as five (5) consecutive business days after written notice from Tenant identifying the condition causing untenability in the Affected Portion. The remedies set forth in this Section 7.5 shall be Tenant's sole and exclusive remedies on account of an interruption of services or Landlord default resulting in an interruption of services. The provisions of this Section 7.5 shall not apply in the event of a Casualty or Taking (which shall be governed by Article 13 below).

**7.6 Telecommunications Providers.** Notwithstanding anything to the contrary herein or in this Lease contained, Landlord has no obligation to allow any particular telecommunications service provider to have access to the Building or to Premises; provided, however, that Landlord agrees that as of the Commencement Date Landlord will have permitted access to the Building to at least one (1) telecommunications service provider. Landlord may permit access to the Building to additional telecommunications service providers, in Landlord's sole discretion. Tenant is solely responsible for contracting for telecommunications services to the Premises with the telecommunications service provider(s) that serve the Building as aforesaid, and Landlord shall have no liability to Tenant whatsoever for any disruption to, or interference with, telecommunications services to the Premises.

**7.7 Trash Removal.** Throughout the Term, Tenant shall, at its sole cost and expense keep any Trash in vermin-proof containers within the interior of the Premises until removed. Subject to reimbursement pursuant to Section 5.2, and subject further to Landlord's Force Majeure, Landlord shall furnish a service for the removal of Trash from the Premises. If any Legal Requirements or the trash removal company requires that any substances in the Premises be disposed of separately from ordinary trash, Tenant shall make arrangements at Tenant's expense for such disposal directly with a qualified and licensed disposal company at a lawful disposal site.

**7.8 Additional Landlord's Services.** Subject to reimbursement pursuant to Section 5.2 above, and subject further to Landlord's Force Majeure, Landlord shall provide the services described in Exhibit 9 attached hereto and made a part hereof, the costs of which shall be included in Operating Costs.

## **8. MAINTENANCE AND REPAIRS**

**8.1 Maintenance and Repairs by Tenant.** Tenant shall keep the Premises (including all electronic, phone and data cabling and related equipment exclusively serving the Premises (other than building service equipment), fixtures, lighting, electrical equipment and wiring, non-structural walls, interior windows, floor coverings, doors and door frames and plate glass (provided that Landlord shall have the right to repair plate glass at Tenant's cost)) neat and clean and free of insects, rodents, vermin and other pests and, subject to Section 7.7 above, Trash, and in such good repair, order and condition as the same are in on the Commencement Date or in such better condition as the Premises may be put in during the

Term, reasonable wear and tear and damage by Casualty excepted. Tenant shall be solely responsible, at Tenant's sole cost and expense, for the proper maintenance and repair of all building systems, sanitary, electrical, heating, air conditioning, plumbing, security or other systems and of all equipment and appliances to the extent installed and/or operated by Tenant and/or exclusively serving the Premises (provided that Landlord shall have the right to repair the same at Tenant's cost). Tenant agrees to provide regular maintenance by contract with a reputable qualified service contractor designated by Landlord for the heating and air conditioning, electrical, plumbing and life-safety equipment servicing the Premises, and any repairs to such heating and air conditioning, electrical, plumbing and life-safety equipment servicing the Premises shall be performed only by contractors approved by Landlord and only after Tenant first notifies Landlord in writing of the need for any such repairs and Landlord approves the same (or Landlord exercises its foregoing right to make such repairs at Tenant's cost). Tenant, at Landlord's request, shall at reasonable intervals provide Landlord with copies of such contracts and maintenance and repair records and/or reports. At least one (1) time a year, and other times as reasonably requested by Landlord, Tenant shall provide Landlord with an annual report (the "M&R Annual Report") summarizing all maintenance and repairs projects conducted by Tenant since the prior M&R Annual Report. The M&R Annual Report shall be certified by an officer of Tenant, certifying to Landlord that such work has been, or is being, completed as described in the report.

**8.2 Maintenance and Repairs by Landlord.** Except as otherwise provided in Article 13, and subject to Tenant's obligations in Section 8.1 above, Landlord shall maintain the roof, Building structure (including the foundation, structural floor slabs and columns) and Building core (including the common restroom facilities), exterior window frames, and except to the extent exclusively serving the Premises, the base building systems and equipment (including sanitary, electrical, heating, air conditioning, plumbing and security systems) in reasonable repair, order and condition and in compliance with Legal Requirements and otherwise in substantially the same manner as comparable office buildings in the East Cambridge/Kendall Square area. In addition, Landlord shall maintain the Common Areas in compliance with Legal Requirements and otherwise in substantially the same manner as comparable office buildings in the East Cambridge/Kendall Square area. All costs incurred by Landlord under this Section 8.2, to the extent included in Operating Costs as defined in Exhibit 6 hereto, shall be paid by Tenant in accordance with Section 5.2.

**8.3 Accidents to Sanitary and Other Systems.** Tenant shall give to Landlord prompt notice of any fire or accident in the Premises and, to the extent Tenant has actual knowledge of same, in the Building and of any damage to, or defective condition in, any part or appurtenance of the Building including the sanitary, electrical, ventilation, heating and air conditioning or other systems located in, or serving, the Premises. Except as otherwise provided in Article 13, and subject to Tenant's obligations in Section 8.1 above, such damage or defective condition shall be remedied by Landlord with reasonable diligence, but, subject to Section 12.5 below, if such damage or defective condition was directly caused by any of the Tenant Parties, the cost to remedy the same shall be paid by Tenant.

**8.4 Floor Load—Heavy Equipment.** Tenant shall not place a load upon any floor of the Premises exceeding the floor load per square foot of area which such floor was designed to carry and which is allowed by Legal Requirements. Landlord reserves the right to prescribe the weight and position of all safes, heavy machinery, heavy equipment, freight, bulky matter or fixtures (collectively, "**Heavy Equipment**"), which shall be placed so as to distribute the weight. Heavy Equipment shall be placed and maintained by Tenant at Tenant's expense in settings sufficient in Landlord's reasonable judgment to absorb and prevent vibration, noise and annoyance. Tenant shall not move any Heavy Equipment into or out of the Building without giving Landlord prior written notice thereof and observing all of Landlord's Rules and Regulations with respect to the same. If such Heavy Equipment requires special handling, Tenant agrees to employ only persons holding a Master Rigger's License to do said work, and that all work in connection therewith shall comply with Legal Requirements. Any such moving shall be at the

sole risk and hazard of Tenant and Tenant will defend, indemnify and save Landlord and Landlord's agents (including its property manager), contractors and employees (collectively with Landlord, the "**Landlord Parties**") harmless from and against any and all claims, damages, judgments, losses, penalties, costs, expenses and fees (including reasonable legal fees) (collectively, "**Claims**") resulting directly or indirectly from such moving. Proper placement of all Heavy Equipment in the Premises shall be Tenant's responsibility.

## **9. ALTERATIONS AND IMPROVEMENTS BY TENANT**

**9.1 Landlord's Consent Required.** Tenant shall not make any alterations, decorations, installations, removals, additions or improvements (collectively, "**Alterations**") in or to the Premises without Landlord's prior written consent, in Landlord's reasonable discretion, provided Cosmetic Alterations (as such term is defined herein) may be performed by Tenant without Landlord's consent so long as Tenant provides Landlord with written notice of the Cosmetic Alteration within ten (10) business days after completion of such Cosmetic Alteration. For the purposes of this Section 9.1, a "Cosmetic Alteration" shall mean any Alteration that satisfies all of the following criteria: (i) is of a cosmetic nature such as painting, wallpapering, and installing carpeting; (ii) is not visible from the exterior of the Premises or Building; (iii) will not adversely affect the building systems, Common Areas or structure of the Building; (iv) does not cost in excess of \$15,000 and (v) does not require a building or other governmental permit. Notwithstanding the foregoing, Tenant shall not be required to provide notice to Landlord prior to hanging pictures in the Premises.

**9.2 Harmonious Relations.** Tenant agrees that it will not, either directly or indirectly, use any contractors and/or materials if their use will create any difficulty, whether in the nature of a labor dispute or otherwise, with other contractors and/or labor engaged by Tenant or Landlord or others in the construction, maintenance and/or operation of the Property or any part thereof. In the event of any such difficulty, upon Landlord's request, Tenant shall cause all contractors, mechanics or laborers causing such difficulty to leave the Property immediately.

**9.3 Liens.** Any mechanic's lien filed against the Premises or the Building for work claimed to have been done for, or materials claimed to have been furnished to, Tenant shall be discharged by Tenant within ten (10) business days thereafter, at Tenant's expense by filing the bond required by law or otherwise.

## **10. SIGNAGE**

**10.1 Rights and Restrictions.** Tenant shall have the right to install Building standard signage identifying Tenant's business at the entrance to the Premises, which signage shall be (a) at Tenant's sole cost and expense, and (b) subject to Landlord's prior written consent (which consent shall not be unreasonably withheld, conditioned or delayed) and (c) consistent with the signage design requirements set forth on Exhibit 12 attached hereto. Subject to the foregoing, Tenant shall not place or suffer to be placed or maintained on the exterior of the Premises, or any part of the interior visible from the exterior thereof, any sign, banner, advertising matter or any other thing of any kind, and shall not place or maintain any decoration, letter or advertising matter on the glass of any window or door of the Premises without first obtaining Landlord's written approval. As part of Landlord's Work, Landlord has provided Tenant with building standard window blinds, and Tenant may not remove such building standard blinds without Landlord's prior written consent.

**10.2 Building Directory.** Landlord shall list Tenant within the directory in the Building lobby at Landlord's sole cost and expense.



## 11. ASSIGNMENT, MORTGAGING AND SUBLETTING

**11.1 Landlord's Consent Required.** Tenant shall not, without Landlord's prior written consent, which consent may be withheld in Landlord's sole discretion, mortgage or otherwise encumber this Lease or the Premises in whole or in part. Except as provided in Section 11.6 hereof, Tenant shall not, without Landlord's prior written consent, assign, sublet, license or transfer this Lease or the Premises in whole or in part whether by changes in the ownership or control of Tenant, or any direct or indirect owner of Tenant, whether at one time or at intervals, by sale or transfer of stock, partnership or beneficial interests, operation of law or otherwise, or permit the occupancy of all or any portion of the Premises by any person or entity other than Tenant's employees (each of the foregoing, a "**Transfer**"). Any purported Transfer made without Landlord's consent, if required hereunder, shall be void and confer no rights upon any third person, provided that if there is a Transfer, Landlord may collect rent from the transferee without waiving the prohibition against Transfers, accepting the transferee, or releasing Tenant from full performance under this Lease. In the event of any Transfer in violation of this Article 11, it shall be an Event of Default for which there is no notice or opportunity to cure. No Transfer shall relieve Tenant of its primary obligation as party Tenant hereunder, nor shall it reduce or increase Landlord's obligations under this Lease.

### 11.2 Landlord's Recapture Right

(a) Subject to Section 11.6 below, Tenant shall, prior to offering or advertising the Premises or any portion thereof for a Transfer or accepting an offer for a Transfer, give a written notice (the "**Recapture Notice**") to Landlord which: (i) states that Tenant desires to make a Transfer, (ii) identifies the affected portion of the Premises (the "**Recapture Premises**"), (iii) identifies the period of time (the "**Recapture Period**") during which Tenant proposes to sublet the Recapture Premises, or indicates that Tenant proposes to assign its interest in this Lease, and (iv) offers to Landlord to terminate this Lease with respect to the Recapture Premises (in the case of a proposed assignment of Tenant's interest in this Lease or a subletting for the remainder of the term of this Lease) or to suspend the Term for the Recapture Period (i.e. the Term with respect to the Recapture Premises shall be terminated during the Recapture Period and Tenant's rental obligations shall be proportionately reduced). Landlord shall have fifteen (15) business days within which to respond to the Recapture Notice.

(b) If Tenant does not enter into a Transfer on the terms and conditions contained in the Recapture Notice on or before the date which is seventy-five (75) days after the earlier of: (x) the expiration of the 15-business day period specified in Section 11.2(a) above, or (y) the date that Landlord notifies Tenant that Landlord elects not recapture the Recapture Premises, time being of the essence, then prior to entering into any Transfer after such 75-day period, Tenant must deliver to Landlord a new Recapture Notice in accordance with Section 11.2(a) above

**11.3 Standard of Consent to Transfer.** Subject to Landlord's rights set forth in Section 11.2 to terminate the Lease or suspend the Term, Landlord agrees that, subject to the provisions of this Article 11, Landlord shall not unreasonably withhold, condition or delay its consent to a Transfer at fair market rent and otherwise on the terms contained in the Recapture Notice. It shall be reasonable for Landlord to withhold its consent to a Transfer (a) if the proposed assignee or sublessee, as the case may be (a "**Transferee**") will not use the Premises for the Permitted Uses, or (b) if, in Landlord's reasonable opinion: the Transferee (i) does not have a tangible net worth and other financial indicators sufficient to meet the Transferee's obligations under the Transfer instrument in question; (ii) does not have a business reputation compatible with the operation of a first-class office building or the tenant mix Landlord desires for the Building; and/or (c) intends to use the space subject to the Transfer for a use that violates any exclusive or restrictive use provisions then in effect with respect to any portion of the Property.

**11.4 Profits In Connection with Transfers.** Tenant shall, within thirty (30) days of receipt thereof, pay to Landlord fifty percent (50%) of any rent, sum or other consideration paid or given in connection with any Transfer, either initially or over time, after amortization of all reasonable out-of-pocket attorney fees, brokerage commissions and the cost of any improvements required by such Transfer, in excess of Rent hereunder as if such amount were originally called for by the terms of this Lease as additional rent.

**11.5 Prohibited Transfers.** Notwithstanding any contrary provision of this Lease, excepting only a Transfer permitted under Section 11.6, Tenant shall have no right to make a Transfer unless on both (i) the date on which Tenant notifies Landlord of its intention to enter into a Transfer and (ii) the date on which such Transfer is to take effect, there is not a Tenant default. Notwithstanding anything to the contrary contained herein, Tenant agrees that in no event shall Tenant make a Transfer to (a) any government agency; (b) any tenant, subtenant or occupant of other space in the Property; or (c) any entity with whom Landlord, or any affiliate of Landlord shall have negotiated for space in the Property, or in any of such affiliate's properties, in the six (6) months immediately preceding such proposed Transfer.

**11.6 Permitted Transfers.** Provided no monetary default or uncured Event of Default then-exists, Tenant shall have the right to make a Transfer without Landlord's consent, but with prior written notice to Landlord, to (a) an Affiliate so long as such entity remains in such relationship to Tenant, and (b) a Successor, provided that (i) prior to or simultaneously with any assignment pursuant to this Section 11.6, such Affiliate or Successor, as the case may be, and Tenant execute and deliver to Landlord an assignment and assumption agreement in form and substance reasonably acceptable to Landlord whereby such Affiliate or Successor, as the case may be, shall agree to be independently bound by and upon all the covenants, agreements, terms, provisions and conditions set forth in the Lease on the part of Tenant to be performed, and whereby such Affiliate or Successor, as the case may be, shall expressly agree that the provisions of this Article 11 shall, notwithstanding such Transfer, continue to be binding upon it with respect to all future Transfers, and (ii) such Affiliate or Successor, as the case may be, has either (A) a net worth, computed in accordance with generally accepted accounting principles consistently applied, at least equal to the greater of (1) the Tangible Net Worth of Tenant immediately prior to such Transfer, or (2) the Tangible Net Worth of Tenant herein named on the date of this Lease, or (B) adequate financial resources to meet the obligations of this Lease, as determined in Landlord's reasonable discretion. For the purposes hereof, an "**Affiliate**" shall be defined as any entity (xx) that has the financial wherewithal to meet its obligations under the Transfer instrument; and (yy) which is controlled by, is under common control with, or which controls Tenant. As used herein, "**control**" means direct or, either together with others acting as a group or otherwise, indirect ownership or possession of the right or power, by vote of stockholders or directors, or by contract, agreement or other arrangements, or otherwise, to direct, determine, prevent or otherwise dictate managerial, operational or other actions or activities of any such person, firm or corporation. For the purposes hereof, "**Successor**" shall mean any entity into or with which Tenant is merged or with which Tenant is consolidated or which acquires all or substantially all of Tenant's stock or assets, provided that the surviving entity shall have a net worth and other financial indicators sufficient to meet Tenant's obligations hereunder. For the purposes hereof, "**Tangible Net Worth**" shall mean the excess of total assets over total liabilities (in each case, determined in accordance with GAAP) excluding from the determination of total assets all assets which would be classified as intangible assets under GAAP, including, without limitation, goodwill, licenses, patents, trademarks, trade names, copyrights, and franchises. Notwithstanding the provisions of this Section 11.6, no transaction or series of transactions which are effected solely for the purpose of qualifying as a transaction which does not require Landlord's consent (i.e. and thereby avoiding the operation of the provisions of this Article 11) shall be permitted pursuant to this Section 11.6.

**11.7 Investment Policies.** Notwithstanding anything to the contrary contained herein, Tenant may not enter into any Transfer with any person or entity if the identity of such person or entity is inconsistent with the written investment policies of Landlord and/or Landlord's parent (as the same may change from time to time) as provided to Tenant by Landlord prior to Landlord's receipt of Tenant's notice of such proposed Transfer, and any such Transfer shall be void ab initio. The provisions of this Section 11.7 shall apply to all Transferees, including Affiliates and Successors. Notwithstanding the foregoing, the provisions of this Section 11.7 shall be of no further force and effect if Landlord and/or Fee Owner are no longer affiliates of Massachusetts Institute of Technology.

## **12. INSURANCE; INDEMNIFICATION; EXCULPATION**

### **12.1 Tenant's Insurance.**

(a) Tenant shall procure, pay for and keep in force throughout the Term (and for so long thereafter as Tenant remains in occupancy of the Premises) commercial general liability insurance and such other insurance specified on Exhibit 10 attached hereto.

**12.2 Indemnification.** Tenant shall defend, indemnify and save the Landlord Parties harmless from and against any and all Claims asserted by or on behalf of any person, firm, corporation or public authority arising from:

(a) Tenant's breach of any covenant or obligation under this Lease;

(b) Any injury to or death of any person, or loss of or damage to property, sustained or occurring in, upon, at or about the Premises;

(c) Any injury to or death of any person, or loss of or damage to property (A) arising out of the use or occupancy of the Premises by or (B) caused by or arising from the negligence or willful misconduct of any of the Tenant Parties; and

(d) On account of or based upon any work or thing whatsoever done (other than by Landlord or any of the Landlord Parties) at the Premises during the Term and during the period of time, if any, prior to the Commencement Date that any of the Tenant Parties may have been given access to the Premises.

This Section 12.2 (as well as any other provisions of this Lease dealing with indemnification of Landlord by Tenant) shall be deemed to be modified in each case by the insertion in the appropriate place of the following: "except as otherwise provided in Section 15 of Chapter 186 of the Massachusetts General Laws, as the same may be amended".

**12.3 Property of Tenant.** Tenant covenants and agrees that, to the maximum extent permitted by Legal Requirements, all of Tenant's Property at the Premises shall be at the sole risk and hazard of Tenant, and that if the whole or any part thereof shall be damaged, destroyed, stolen or removed from any cause or reason whatsoever, no part of said damage or loss shall be charged to, or borne by, Landlord, except, subject to Section 12.5 hereof, to the extent such damage or loss is due to the negligence or willful misconduct of any of the Landlord Parties.

**12.4 Limitation of Landlord's Liability for Damage or Injury.** Landlord shall not be liable for any injury or damage to persons or property resulting from fire, explosion, falling plaster, steam, gas, air contaminants or emissions, electricity, electrical or electronic emanations or disturbance, water, rain or snow or leaks from any part of the Building or from the pipes, appliances, equipment or plumbing works or from the roof, street or sub-surface or from any other place or caused by dampness, vandalism, malicious mischief or by any other cause of whatever nature, except to the extent caused by or due to the negligence or willful misconduct of any of the Landlord Parties, and then, where notice and an

opportunity to cure are appropriate (i.e., where Tenant has an opportunity to know or should have known of such condition sufficiently in advance of the occurrence of any such injury or damage resulting therefrom as would have enabled Landlord to prevent such damage or loss had Tenant notified Landlord of such condition) only after (i) notice to Landlord of the condition claimed to constitute negligence or willful misconduct, and (ii) the expiration of a reasonable time after such notice has been received by Landlord without Landlord having commenced to take all reasonable and practicable means to cure or correct such condition; and pending such cure or correction by Landlord, Tenant shall take all reasonably prudent temporary measures and safeguards to prevent any injury, loss or damage to persons or property. Notwithstanding the foregoing, in no event shall any of the Landlord Parties be liable for any loss which is covered by insurance policies actually carried or required to be so carried by this Lease; nor shall any of the Landlord Parties be liable for any such damage caused by other tenants or persons in the Building or caused by operations in construction of any private, public, or quasi-public work; nor shall any of the Landlord Parties be liable for any latent defect in the Premises or in the Building.

**12.5 Waiver of Subrogation; Mutual Release.** Landlord and Tenant each hereby waives on behalf of itself and its property insurers (none of which shall ever be assigned any such claim or be entitled thereto due to subrogation or otherwise) any and all rights of recovery, claim, action, or cause of action against the other and its agents, officers, servants, partners, shareholders, or employees (collectively, the "**Related Parties**") for any loss or damage (excluding rights of recovery, claims, actions, and causes of action relating to damage to the roof of the Building caused by Tenant but including rights of recovery, claims, actions, and causes of action relating to damage to the roof of the Building caused by any Casualty (hereinafter defined)) that may occur to or within the Premises or the Building or any improvements thereto, or any personal property of such party therein which is insured against under any property insurance policy actually being maintained by the waiving party from time to time, even if not required hereunder, or which would be insured against under the terms of any insurance policy required to be carried or maintained by the waiving party hereunder, whether or not such insurance coverage is actually being maintained, including, in every instance, such loss or damage that may be caused by the negligence of the other party hereto and/or its Related Parties. Landlord and Tenant each agrees to cause appropriate clauses to be included in its property insurance policies necessary to implement the foregoing provisions.

**12.6 Tenant's Acts—Effect on Insurance.** Tenant shall not do or permit any Tenant Party to do any act or thing upon the Premises or elsewhere in the Building which will invalidate or be in conflict with any insurance policies or warranties covering the Building and the fixtures and property therein; and shall not do, or permit to be done, any act or thing upon the Premises which shall subject Landlord to any liability or responsibility for injury to any person or persons or to property by reason of any business or operation being carried on upon said Premises or for any other reason. If by reason of Tenant's use of the Premises or the failure of Tenant to comply with the provisions of this Lease the insurance rate applicable to any policy of insurance shall at any time thereafter be higher than it otherwise would be, Tenant shall reimburse Landlord upon demand for that part of any insurance premiums which shall have been charged because of such use or failure by Tenant, together with interest at the Default Rate until paid in full, within ten (10) days after receipt of an invoice therefor.

**12.7 Landlord's Insurance.** Landlord shall maintain, subject to availability thereof, commercial general liability insurance and property insurance on the Building in commercially reasonable amounts.

### 13. CASUALTY; TAKING

**13.1 Damage.** If the Premises are damaged in whole or part because of fire or other insured casualty (“**Casualty**”), or if the Premises are subject to a taking in connection with the exercise of any power of eminent domain, condemnation, or purchase under threat or in lieu thereof (any of the foregoing, a “**Taking**”), then unless this Lease is terminated in accordance with Section 13.2 below, Landlord shall restore the Building and/or the Premises to substantially the same condition as existed prior to the Casualty, or in the event of a partial Taking which affects the Building and the Premises, restore the remainder of the Building and the Premises not so Taken to substantially the same condition as is reasonably feasible, and Rent shall be proportionately abated until restoration of the Premises is substantially complete, but only to the extent that business interruption insurance is not available. If, in Landlord’s reasonable judgment, any element of the Tenant-Insured Improvements can more efficiently be restored as an integral part of Landlord’s restoration of the Building or the Premises, such restoration shall also be made by Landlord, but at Tenant’s sole cost and expense. Subject to rights of Mortgagees, any act or omission by Tenant and/or Tenant’s agents, servants, employees, contractors, subcontractors, licensees and/or subtenants (collectively with Tenant, the “**Tenant Parties**”) which causes an actual delay in the performance of Landlord’s restoration work, Legal Requirements then in existence and to delays for adjustment of insurance proceeds or Taking awards, as the case may be, and instances of Landlord’s Force Majeure, Landlord shall diligently pursue completion of such restoration and substantially complete such restoration within nine (9) months after Landlord’s receipt of all required permits therefor. Upon substantial completion of such restoration by Landlord, Tenant shall use diligent efforts to complete restoration of the Tenant-Insured Improvements to substantially the same condition as existed immediately prior to such Casualty or Taking, as the case may be, as soon as commercially reasonable. Tenant agrees to cooperate with Landlord in such manner as Landlord may reasonably request to assist Landlord in collecting insurance proceeds due in connection with any Casualty which affects the Premises or the Building. In no event shall Landlord be required to expend more than the Net (hereinafter defined) insurance proceeds Landlord receives for damage to the Premises and/or the Building or the Net Taking award attributable to the Premises and/or the Building. “**Net**” means the insurance proceeds or Taking award actually paid to Landlord (and not paid over to a Mortgagee) less all costs and expenses, including adjusters and reasonable attorneys’ fees, of obtaining the same. In the fiscal year in which a Casualty occurs, there shall be included in Operating Costs Landlord’s deductible under its property insurance policy. Except as Landlord may elect pursuant to this Section 13.1, under no circumstances shall Landlord be required to repair any damage to, or make any repairs to or replacements of, any Tenant- Insured Improvements.

#### 13.2 Termination Rights.

(a) Landlord’s Termination Rights. Landlord may terminate this Lease upon thirty (30) days’ prior written notice to Tenant if:

(i) any material portion of the Building or any material means of access thereto is taken;

(ii) more than thirty-five percent (35%) of the Building is damaged by Casualty; or

(iii) if the estimated time to complete restoration exceeds nine (9) months from the date on which Landlord receives all required permits for such restoration.

(b) Tenant’s Termination Right. If Landlord is so required but fails to complete restoration of the Premises within the time frames and subject to the conditions set forth in Section 13.1 above, then Tenant may terminate this Lease upon sixty (60) days’ written notice to Landlord; provided, however, that if Landlord completes such restoration within sixty (60) days after receipt of any such termination notice, such termination notice shall be null and void and this Lease shall continue in full force and effect. The remedies set forth in this Section 13.2(b) and in Section 13.2(c) below are Tenant’s sole and exclusive rights and remedies based upon Landlord’s failure to complete the restoration of the Premises as set forth herein.

(c) Either Party May Terminate. In the case of any Casualty or Taking affecting the Premises and occurring during the last twelve (12) months of the Term, then (i) if such Casualty or Taking results in more than twenty-five percent (25%) of the floor area of the Premises being unsuitable for the Permitted Uses, or (ii) the damage to the Premises costs more than \$250,000 to restore, then either Landlord or Tenant shall have the option to terminate this Lease upon thirty (30) days' written notice to the other. In addition, if any Mortgagee does not release sufficient insurance proceeds to cover the cost of Landlord's restoration work, Landlord shall notify Tenant thereof. In such event, unless Landlord agrees in writing to cover the difference, Landlord or Tenant may terminate this Lease by written notice to the other within thirty (30) days after such notice from Landlord.

(d) Automatic Termination. In the case of a Taking of the entire Premises, then this Lease shall automatically terminate as of the date of possession by the Taking authority.

(e) Tenant shall assign to Landlord all of its right, title and interest in and to the insurance proceeds for any Alterations (a) if the Term shall expire prior to the completion of Tenant's restoration pursuant to Section 13.1 above, or (ii) if this Lease is terminated pursuant to any provision of this Lease prior to the completion of Tenant's restoration pursuant to Section 13.1 above, in each case equal to the sum of the unamortized costs of any portion of any Alterations that were not designated for removal pursuant to Article 9.

(f) Notwithstanding anything to the contrary contained herein, Tenant may not terminate this Lease pursuant to this Article 13 if the Casualty in question was caused by the negligence or willful misconduct of any of the Tenant Parties.

**13.3 Taking for Temporary Use.** If the Premises are Taken for temporary use, this Lease and Tenant's obligations shall continue, provided, however, that the payment of Rent shall be abated until such Taking has expired. For purposes hereof, "**Taken for temporary use**" shall mean a Taking of ninety (90) days or less.

**13.4 Disposition of Awards.** Except for any separate award for Tenant's movable trade fixtures, relocation expenses, and unamortized leasehold improvements paid for by Tenant (provided that the same may not reduce Landlord's award), all Taking awards to Landlord or Tenant shall be Landlord's property without Tenant's participation, and Tenant hereby assigns to Landlord Tenant's interest, if any, in such award. Tenant may pursue its own claim against the Taking authority.

**14. ESTOPPEL CERTIFICATE.** Tenant shall at any time and from time to time upon not less than ten (10) business days' prior notice from Landlord, execute, acknowledge and deliver to Landlord a statement in writing certifying that this Lease is unmodified and in full force and effect (or if there have been modifications, that the same is in full force and effect as modified and stating the modifications), and the dates to which Rent has been paid in advance, if any, stating whether or not Landlord is in default in performance of any covenant, agreement, term, provision or condition contained in this Lease and, if so, specifying each such default, and such other facts as Landlord may reasonably request, it being intended that any such statement delivered pursuant hereto may be relied upon by Landlord, any prospective purchaser of the Building or of any interest of Landlord therein, any Mortgagee or prospective Mortgagee thereof, any lessor or prospective lessor thereof, any lessee or prospective lessee thereof, or any prospective assignee of any Mortgagee. Time is of the essence with respect to any such requested certificate, Tenant hereby acknowledging the importance of such certificates in mortgage financing arrangements, prospective sales and the like.

## 15. HAZARDOUS MATERIALS

**15.1 Prohibition.** Except for de minimis quantities of standard office supplies and cleaning materials stored in compliance with Environmental Laws (hereinafter defined) and in proper containers, Tenant shall not, without the prior written consent of Landlord, which may be withheld in Landlord's sole discretion, bring or permit to be brought or kept in or on the Premises or elsewhere in the Building (i) any inflammable, combustible or explosive fluid, material, chemical or substance; or (ii) any Hazardous Material (hereinafter defined). Upon at least forty-eight (48) hours' notice, except that no notice shall be required in an emergency, Landlord shall have the right, from time to time, to inspect the Premises for compliance with the terms of this Section 15.1 at Landlord's sole cost and expense, however, if such inspection indicates a violation of this Section by Tenant, Tenant shall pay the cost of such inspection to Landlord, as additional rent hereunder, within ten (10) days of Tenant's receipt of an invoice therefor.

**15.2 Environmental Laws.** For purposes hereof, "**Environmental Laws**" shall mean all laws, statutes, ordinances, rules and regulations of any local, state or federal governmental authority having jurisdiction concerning environmental, health and safety matters, including but not limited to any discharge by any of the Tenant Parties into the air (including indoor air and outdoor air), surface water, sewers, soil or groundwater of any Hazardous Material (hereinafter defined) whether within or outside the Premises, including (a) the Federal Water Pollution Control Act, 33 U.S.C. Section 1251 et seq., (b) the Federal Resource Conservation and Recovery Act, 42 U.S.C. Section 6901 et seq., (c) the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. Section 9601 et seq., (d) the Toxic Substances Control Act of 1976, 15 U.S.C. Section 2601 et seq., (e) Chapter 21C of the General Laws of Massachusetts; and (f) Chapter 21E of the General Laws of Massachusetts. Tenant, at its sole cost and expense, shall comply with (i) all Environmental Laws, and (ii) any rules, requirements and safety procedures of the Massachusetts Department of Environmental Protection, the City of Cambridge and any insurer of the Building or the Premises with respect to Tenant's use, storage and disposal of any Hazardous Materials.

**15.3 Hazardous Material Defined.** As used herein, the term "**Hazardous Material**" means asbestos, oil or any hazardous, radioactive or toxic substance, material or waste or petroleum derivative which is or becomes regulated by any Environmental Law, including live organisms, viruses and fungi, medical waste and any so-called "**biohazard**" materials, and any material on the right to know list of the Occupational Safety and Health Administration. The term "**Hazardous Material**" includes oil and/or any material or substance which is (i) designated as a "**hazardous substance**," "**hazardous material**," "**oil**," "**hazardous waste**" or toxic substance under any Environmental Law or (ii) contains any component now or hereafter designated as such.

**15.4 Pre-Existing Hazardous Materials.** Tenant acknowledges that asbestos is present in the Building. Landlord shall, at its sole cost and expense, comply with all Environmental Laws with respect to the existence of Hazardous Materials in, on or at the Property as of the Execution Date.

## 16. RULES AND REGULATIONS

**16.1 Rules and Regulations.** Tenant will faithfully observe and comply with all rules and regulations promulgated from time to time with respect to the Building, the Property and construction within the Property of which Landlord has given Tenant prior written notice (collectively, the "**Rules and Regulations**"). The current version of the Rules and Regulations is attached hereto as Exhibit 11. In the case of any conflict between the provisions of this Lease and any future rules and regulations, the provisions of this Lease shall control. Nothing contained in this Lease shall be construed to impose upon Landlord any duty or obligation to enforce the Rules and Regulations or the terms, covenants or conditions in any other lease as against any other tenant and Landlord shall not be liable to Tenant for violation of the same by any other tenant, its servants, employees, agents, contractors, visitors, invitees or licensees.

**16.2 Energy Conservation.** Notwithstanding anything to the contrary contained herein, Landlord may institute upon written notice to Tenant such policies, programs and measures as may be necessary, required, or expedient for the conservation and/or preservation of energy or energy services (collectively, the “**Conservation Program**”), provided, however, that the Conservation Program does not, by reason of such policies, programs and measures, reduce the level of energy or energy services being provided to the Premises below the level of energy or energy services then being provided in comparable office buildings in the East Cambridge/Kendall Square area, or as may be necessary or required to comply with Legal Requirements or standards or the other provisions of this Lease. Upon receipt of such notice, Tenant shall comply with the Conservation Program at Tenant’s sole cost and expense. Without limiting the foregoing, Tenant acknowledges that the Building intends to obtain Leadership in Energy and Environmental Design (“**LEED**”) certification as established by the U.S. Green Building Council (“**USGBC**”). Any reasonable costs incurred by Landlord in connection with maintaining such certification shall be considered Operating Costs. Tenant shall cooperate as reasonably requested by Landlord in the maintenance of such certification to the extent required to maintain the same.

**16.3 Recycling.** Landlord may establish policies, programs and measures for the recycling of paper, products, plastic, and other materials (a “**Recycling Program**”). Upon receipt of such notice, Tenant will comply with the Recycling Program at Tenant’s sole cost and expense.

## **17. LEGAL REQUIREMENTS**

**17.1 Legal Requirements.** Tenant shall be responsible at its sole cost and expense for complying with (and keeping the Premises in compliance with) all Legal Requirements that are applicable to Tenant’s manner of use or occupancy of, or Alterations made by or on behalf of Tenant to, the Premises. Tenant shall furnish all data and information to governmental authorities, with a copy to Landlord, as required in accordance with Legal Requirements as they relate to Tenant’s use or occupancy of the Premises or the Building. If Tenant receives notice of any violation of Legal Requirements applicable to the Premises or the Building, it shall give prompt notice thereof to Landlord. Nothing contained in this Section 17.1 shall be construed to expand the uses permitted hereunder beyond the Permitted Uses. Notwithstanding the foregoing or any other provision of this Lease, however, Tenant shall not be responsible for compliance with any such Legal Requirements, regulations, or the like requiring (a) structural repairs or modifications; or (b) repairs or modifications to the utility or building service equipment; or (c) installation of new building service equipment, such as fire detection or suppression equipment, unless such repairs, modifications, or installations shall (i) be due to Tenant’s particular manner of use of the Premises for the Permitted Use, or (ii) be due to the negligence or willful misconduct of Tenant or any Tenant Party, or (iii) be required in connection with any Alterations made by or on behalf of Tenant.

## **18. DEFAULT**

**18.1 Events of Default.** The occurrence of any one or more of the following events shall constitute an “**Event of Default**” hereunder by Tenant:

(a) If Tenant fails to make any payment of Rent or any other payment required hereunder, as and when due, and such failure shall continue for a period of four (4) days after notice thereof from Landlord to Tenant; provided, however, an Event of Default shall occur hereunder without any obligation of Landlord to give any notice if (i) Tenant fails to make any payment on or before the due date therefor, and (ii) Landlord has given Tenant written notice under this Section 18.1(a) on more than one (1) occasion during the twelve (12) month interval preceding such failure by Tenant;



- (b) If Tenant shall vacate (for more than thirty (30) days) or abandon the Premises (whether or not the keys shall have been surrendered or the Rent shall have been paid);
- (c) If Tenant shall fail to execute and deliver to Landlord an estoppel certificate pursuant to Article 14 above or a subordination and attornment agreement pursuant to Article 20 below, within the timeframes set forth therein and such failure continues for five (5) days after notice thereof;
- (d) If Tenant shall fail to maintain any insurance required hereunder;
- (e) If Tenant shall fail to restore the Security Deposit to its original amount or deliver a replacement Letter of Credit as required under Article 6 above;
- (f) If Tenant causes or suffers any release of Hazardous Materials in, on or near the Property;
- (g) If Tenant shall make a Transfer in violation of the provisions of Article 11 above, or if any event shall occur or any contingency shall arise whereby this Lease, or the term and estate thereby created, would (by operation of law or otherwise) devolve upon or pass to any person, firm or corporation other than Tenant, except as expressly permitted under Article 11 hereof;
- (h) If Tenant fails to comply with the provisions of Article 2 and/or Section 4.2 above, and such failure shall continue for a period of three (3) business days after notice thereof from Landlord to Tenant; provided, however, an Event of Default shall occur hereunder without any obligation of Landlord to give any notice if (i) Tenant fails to comply with the provisions of Article 2 or Section 4.2 above, and (ii) Landlord has given Tenant written notice under this Section 18.1(h) on more than one (1) occasion during the twelve (12) month interval preceding such failure by Tenant;
- (i) The failure by Tenant to observe or perform any of the covenants or provisions of this Lease to be observed or performed by Tenant, other than as specified above, and such failure continues for more than thirty (30) days after notice thereof from Landlord; provided, further, that if the nature of Tenant's default is such that more than thirty (30) days are reasonably required for its cure, then Tenant shall not be deemed to be in default if Tenant shall commence such cure within said thirty (30) day period and thereafter diligently prosecute such cure to completion, which completion shall occur not later than ninety (90) days from the date of such notice from Landlord regardless of the reason for lack of completion;
- (j) Tenant makes an assignment for the benefit of creditors, or a receiver, trustee or custodian is appointed to or does take title, possession or control of all or substantially all of Tenant's assets;
- (k) Tenant files a voluntary petition under the United States Bankruptcy Code or any successor statute (as the same may be amended from time to time, the "Bankruptcy Code") or an order for relief is entered against Tenant pursuant to a voluntary or involuntary proceeding commenced under any chapter of the Bankruptcy Code, or any involuntary petition is filed against Tenant under any chapter of the Bankruptcy Code and is not dismissed within one hundred twenty (120) days;

(l) Any judgment, attachment or the like in excess of \$100,000 shall be entered, recorded or filed against Tenant in any court, registry, etc. and Tenant shall fail to pay such judgment within thirty (30) days after the judgment shall have become final beyond appeal or to discharge or secure by surety bond such lien, attachment, etc. within thirty (30) days of such entry, recording or filing, as the case may be; or

(m) The leasehold hereby created shall be taken on execution or by other process of law and shall not be re-vested in Tenant within thirty (30) days thereafter.

Tenant shall reimburse Landlord, within thirty (30) days after demand, for Landlord's reasonable out-of-pocket costs and expenses (including legal fees and costs) incurred in connection with the preparation and delivery of each notice of default delivered pursuant to this Section 18.1 (which notice of default may include such demand for payment).

**18.2 Remedies.** Upon an Event of Default, Landlord may, by notice to Tenant, elect to terminate this Lease; and thereupon (and without prejudice to any remedies which might otherwise be available to Landlord, including for arrears of Rent or preceding breach of covenant or agreement and without prejudice to Tenant's liability for damages as hereinafter stated), upon the giving of such notice, this Lease shall terminate as of the date specified therein as though that were the Expiration Date. Upon such termination, Landlord shall have the right to utilize the Security Deposit or draw down the entire Letter of Credit, as applicable, and apply the proceeds thereof to its damages hereunder. Without being taken or deemed to be guilty of any manner of trespass or conversion, and without being liable to indictment, prosecution or damages therefor, Landlord may, by lawful process, enter into and upon the Premises (or any part thereof in the name of the whole); repossess the same, as of its former estate; and expel Tenant and those claiming under Tenant. The words "re-entry," and "re-enter" as used in this Lease are not restricted to their technical legal meanings.

### **18.3 Damages - Termination.**

(a) Upon the termination of this Lease under the provisions of this Article 18, Tenant shall pay to Landlord Rent up to the time of such termination, shall continue to be liable for any breach or default preceding such termination, and in addition, shall pay to Landlord as damages, at the election of Landlord, either:

(i) the amount (discounted to present value at the rate of five percent (5%) per annum) by which, at the time of the termination of this Lease (or at any time thereafter if Landlord shall have initially elected damages under Section 18.3(a)(ii) below), (x) the aggregate of Rent projected over the period commencing with such termination and ending on the Expiration Date, exceeds (y) the aggregate projected rental value of the Premises for such period, taking into account a reasonable time period during which the Premises shall be unoccupied, plus all Reletting Costs (hereinafter defined); or

(ii) amounts equal to Rent which would have been payable by Tenant had this Lease not been so terminated, payable upon the due dates therefor specified herein following such termination and until the Expiration Date, provided, however, if Landlord shall re-let the Premises during such period, then Landlord shall credit Tenant with the net rents received by Landlord from such re-letting, such net rents to be determined by first deducting from the gross rents as and when received by Landlord from such re-letting the expenses incurred or paid by Landlord in terminating this Lease, as well as the expenses of re-letting, including altering and preparing the Premises for new tenants, brokers' commissions, and all other similar and dissimilar expenses properly chargeable against the Premises and the rental therefrom (collectively, "Reletting Costs"), it being understood that any such re-letting may be for a period equal to or shorter or longer than the remaining Term at Landlord's sole and absolute discretion without otherwise affecting this remedy; and provided, further, that (x) in no event shall Tenant be entitled to receive any excess of such net rents over the sums payable by Tenant to Landlord hereunder

and (y) in no event shall Tenant be entitled in any suit for the collection of damages pursuant to this Section 18.3(a)(ii) to a credit in respect of any net rents from a re-letting except to the extent that such net rents are actually received by Landlord prior to the commencement of such suit. If the Premises or any part thereof should be re-let in combination with other space, then proper apportionment on a square foot area basis shall be made of the rent received from such re-letting and of the expenses of re-letting.

(b) In calculating the amount due under Section 18.3(a)(i), above, there shall be included, in addition to the Base Rent, all other considerations agreed to be paid or performed by Tenant, including Tenant's Share of Operating Costs and Tenant's Tax Share of Taxes, on the assumption that all such amounts and considerations would have increased at the rate of three percent (3%) per annum for the balance of the full term hereby granted.

(c) Suit or suits for the recovery of such damages, or any installments thereof, may be brought by Landlord from time to time at its election, and nothing contained herein shall be deemed to require Landlord to postpone suit until the date when the Term would have expired if it had not been terminated hereunder.

(d) Nothing herein contained shall be construed as limiting or precluding the recovery by Landlord against Tenant of any sums or damages to which, in addition to the damages particularly provided above, Landlord may lawfully be entitled by reason of any Event of Default hereunder.

(e) In lieu of any other damages or indemnity and in lieu of full recovery by Landlord of all sums payable under all the foregoing provisions of this Section 18.3, Landlord may, by written notice to Tenant, at any time after this Lease is terminated under any of the provisions herein contained or is otherwise terminated for breach of any obligation of Tenant and before such full recovery, elect to recover, and Tenant shall thereupon pay, as liquidated damages, an amount equal to the aggregate of (x) an amount equal to the lesser of (1) Rent accrued under this Lease in the twelve (12) months immediately prior to such termination, or (2) Rent payable during the remaining months of the Term if this Lease had not been terminated, plus (y) the amount of Rent accrued and unpaid at the time of termination, less (z) the amount of any recovery by Landlord under the foregoing provisions of this Section 18.3 up to the time of payment of such liquidated damages; Tenant hereby acknowledging that the damages which Landlord may suffer as the result of the termination of this Lease as a result of an Event of Default over cannot be determined as of the Execution Date. The terms and provisions of Section 18.3 shall survive the expiration or termination of this Lease.

**18.4 Landlord's Self-Help; Fees and Expenses.** If Tenant shall default in the performance of any covenant on Tenant's part to be performed in this Lease contained, including the obligation to maintain the Premises in the required condition pursuant to Section 8.1 above, Landlord may, upon reasonable advance notice, except that no notice shall be required in an emergency, immediately, or at any time thereafter, perform the same for the account of Tenant. Tenant shall pay to Landlord upon demand therefor any costs incurred by Landlord in connection therewith, together with interest at the Default Rate until paid in full. In addition, Tenant shall pay all of Landlord's costs and expenses, including reasonable attorneys' fees, incurred (i) in enforcing any obligation of Tenant under this Lease or (ii) as a result of Landlord or any of the Landlord Parties being made party to any litigation pending by or against any of the Tenant Parties.

**18.5 Waiver of Redemption, Statutory Notice and Grace Periods.** Tenant does hereby waive and surrender all rights and privileges which it might have under or by reason of any present or future Legal Requirements to redeem the Premises or to have a continuance of this Lease for the Term hereby demised after being dispossessed or ejected therefrom by process of law or under the terms of this Lease or after the termination of this Lease as herein provided. Except to the extent prohibited by Legal Requirements, any statutory notice and grace periods provided to Tenant by law are hereby expressly waived by Tenant.

**18.6 Landlord's Remedies Not Exclusive.** The specified remedies to which Landlord may resort hereunder are cumulative and are not intended to be exclusive of any remedies or means of redress to which Landlord may at any time be lawfully entitled, and Landlord may invoke any remedy (including the remedy of specific performance) allowed at law or in equity as if specific remedies were not herein provided for; Tenant hereby acknowledging that the damages which Landlord may suffer as the result of the termination of this Lease as a result of an Event of Default over cannot be determined as of the Execution Date.

**18.7 No Waiver.** Landlord's failure to seek redress for violation, or to insist upon the strict performance, of any covenant or condition of this Lease, or any of the Rules and Regulations promulgated hereunder, shall not prevent a subsequent act, which would have originally constituted a violation, from having all the force and effect of an original violation. The receipt by Landlord of Rent with knowledge of the breach of any covenant of this Lease shall not be deemed a waiver of such breach. The failure of Landlord to enforce any of such Rules and Regulations against Tenant and/or any other tenant in the Building shall not be deemed a waiver of any such Rules and Regulations. No provisions of this Lease shall be deemed to have been waived by either party unless such waiver shall be in writing signed by such party against whom a waiver is claimed. No payment by Tenant or receipt by Landlord of a lesser amount than the Rent herein stipulated shall be deemed to be other than on account of the stipulated Rent, nor shall any endorsement or statement on any check or any letter accompanying any check or payment as Rent be deemed an accord and satisfaction, and Landlord may accept such check or payment without prejudice to Landlord's right to recover the balance of such Rent or pursue any other remedy in this Lease provided.

**18.8 Restrictions on Tenant's Rights.** During the continuation of any Event of Default, (a) Landlord shall not be obligated to provide Tenant with any notice pursuant to Sections 2.3 above; and (b) Tenant shall not have the right to make, nor to request Landlord's consent or approval with respect to, any Alterations.

**18.9 Landlord Default.** Notwithstanding anything to the contrary contained in the Lease, Landlord shall in no event be in default in the performance of any of Landlord's obligations under this Lease unless Landlord shall have failed to perform such obligations within thirty (30) days (or such additional time as is reasonably required to correct any such default, provided Landlord commences cure within 30 days and thereafter diligently prosecutes the same to completion) after written notice by Tenant to Landlord properly specifying wherein Landlord has failed to perform any such obligation. Except as expressly set forth in this Lease, Tenant shall not have the right to terminate or cancel this Lease or to withhold Rent or to set-off or deduct any claim or damages against Rent as a result of any default by Landlord or breach by Landlord of its covenants or any warranties or promises hereunder. In addition, Tenant shall not assert any right to deduct the cost of repairs or any monetary claim against Landlord from Rent due and payable under this Lease.

## **19. SURRENDER; ABANDONED PROPERTY; HOLD-OVER**

### **19.1 Surrender**

(a) Upon the expiration or earlier termination of the Term, Tenant shall (i) peaceably quit and surrender to Landlord the Premises broom clean, in good order, repair and condition excepting only ordinary wear and tear and Casualty that is Landlord's obligation to restore under Section 13.1 if the Lease is not otherwise terminated pursuant to Section 13.2; (ii) remove all of Tenant's Property (including

all cabling, trade fixtures, furniture and equipment) and, to the extent specified by Landlord at time Tenant seeks Landlord's consent, Alterations made by Tenant, and (iii) repair any damages to the Premises or the Building caused by the installation or removal of Tenant's Property and/or such Alterations. Tenant's obligations under this Section 19.1(a) shall survive the expiration or earlier termination of this Lease.

(b) No act or thing done by Landlord during the Term shall be deemed an acceptance of a surrender of the Premises, and no agreement to accept such surrender shall be valid, unless in writing signed by Landlord. Unless otherwise agreed by the parties in writing, no employee of Landlord or of Landlord's agents shall have any power to accept the keys of the Premises prior to the expiration or earlier termination of this Lease. The delivery of keys to any employee of Landlord or of Landlord's agents shall not operate as a termination of this Lease or a surrender of the Premises.

(c) Notwithstanding anything to the contrary contained herein, Tenant shall, at its sole cost and expense, remove from the Premises, prior to the end of the Term, any item installed by or for Tenant and which, pursuant to Legal Requirements, must be removed therefrom before the Premises may be used by a subsequent tenant.

(d) Tenant hereby assigns to Landlord any warranties in effect on the last day of the Term with respect to any fixtures and Alterations remaining in the Premises. Tenant shall provide Landlord with copies of any such warranties prior to the expiration of the Term (or, if the Lease is earlier terminated, within five (5) days thereafter).

**19.2 Abandoned Property.** After the expiration or earlier termination of this Lease, if Tenant fails to remove any property from the Building or the Premises that Tenant is obligated by the terms of this Lease to remove within five (5) business days after written notice from Landlord, such property (the "**Abandoned Property**") shall be conclusively deemed to have been abandoned, and may either be retained by Landlord as its property or sold or otherwise disposed of in such manner as Landlord may see fit. If any item of Abandoned Property shall be sold, Tenant hereby agrees that Landlord may receive and retain the proceeds of such sale and apply the same, at its option, to the expenses of the sale, the cost of moving and storage, any damages to which Landlord may be entitled under Article 18 hereof or pursuant to law, and to any arrears of Rent.

**19.3 Holdover.** If any of the Tenant Parties holds over after the end of the Term, Tenant shall be deemed a tenant-at-sufferance subject to the provisions of this Lease; provided that whether or not Landlord has previously accepted payments of Rent from Tenant, (i) Tenant shall, for the first thirty (30) days after the Expiration Date, pay Base Rent at 150% of the highest rate of Base Rent payable during the Term, and thereafter pay Base Rent at 200% of the highest rate of Base Rent payable during the Term, (ii) Tenant shall continue to pay to Landlord all additional rent, and (iii) Tenant shall be liable for all damages, including lost business and consequential damages, incurred by Landlord as a result of such holding over, Tenant hereby acknowledging that Landlord may need the Premises after the end of the Term for other tenants and that the damages which Landlord may suffer as the result of Tenant's holding over cannot be determined as of the Execution Date. Nothing contained herein shall grant Tenant the right to holdover after the expiration or earlier termination of the Term or affect Tenant's status as a tenant-at-sufferance during any holdover period.

## 20. MORTGAGEE RIGHTS

**20.1 Subordination.** Tenant's rights and interests under this Lease shall be (i) subject and subordinate to any existing or future (a) ground lease (including without limitation the Master Lease), (b) subleases or other instruments pursuant to any sale and leaseback transaction of the Master Lease or the Property, and (c) any mortgages, deeds of trust, overleases, or similar instruments covering the Premises, the Building and/or the Land and to all advances, modifications, renewals, replacements, and extensions thereof (each of the foregoing, a "**Mortgage**"), or (ii) if any Mortgagee elects, prior to the lien of any present or future Mortgage. Tenant further shall attorn to and recognize any successor landlord, whether through foreclosure or otherwise, as if the successor landlord were the originally named landlord. The provisions of this Section 20.1 shall be self-operative and no further instrument shall be required to effect such subordination or attornment; however, Tenant agrees to execute, acknowledge and deliver such instruments, confirming such subordination and attornment in such form as shall be requested by any such holder within ten (10) business days of request therefor. With respect to the Master Lease, Tenant shall execute and deliver to Landlord simultaneously with its execution and delivery of this Lease, the Subordination, Non-Disturbance and Attornment Agreement (the "**Master Lease SNDA**") in the form attached hereto as Exhibit 13. Landlord may record the Master Lease SNDA in the Registry at its sole cost and expense.

**20.2 Mortgage Notices.** Tenant shall give each Mortgagee the same notices given to Landlord concurrently with the notice to Landlord, and each Mortgagee shall have a reasonable opportunity to cure a Landlord default after the expiration of Landlord's applicable notice and/or cure periods if Landlord fails to do so, and Mortgagee's curing of any of Landlord's default shall be treated as performance by Landlord.

**20.3 Mortgage Liability.** Tenant acknowledges and agrees that if any Mortgage shall be foreclosed, (a) the liability of the Mortgagee and its successors and assigns shall exist only so long as such Mortgagee or purchaser is the owner of the Premises, and such liability shall not continue or survive after further transfer of ownership; and (b) such Mortgagee and its successors or assigns shall not be (i) liable for any act or omission of any prior lessor under this Lease; (ii) liable for the performance of Landlord's covenants pursuant to the provisions of this Lease which arise and accrue prior to such entity succeeding to the interest of Landlord under this Lease or acquiring such right to possession; (iii) subject to any offsets or defense which Tenant may have at any time against Landlord; (iv) bound by any Rent or other amounts which Tenant may have paid previously for more than one (1) month; or (v) liable for the performance of any covenant of Landlord under this Lease which is capable of performance only by the original Landlord.

**21. QUIET ENJOYMENT.** Landlord covenants that so long as Tenant keeps and performs each and every covenant, agreement, term, provision and condition herein contained on the part and on behalf of Tenant to be kept and performed, Tenant shall peaceably and quietly hold, occupy and enjoy the Premises during the Term from and against the claims of all persons lawfully claiming by, through or under Landlord subject, nevertheless, to the covenants, agreements, terms, provisions and conditions of this Lease, any matters of record or of which Tenant has knowledge and to any Mortgage to which this Lease is subject and subordinate, as hereinabove set forth.

**22. NOTICES.** Any notice, consent, request, bill, demand or statement hereunder by either party to the other party shall be in writing and shall be deemed to have been duly given when either delivered by hand or by nationally recognized overnight courier or refused, as the case may be (in either case with evidence of delivery or refusal thereof) and addressed as follows:

If to Landlord: MIT 139 Main Street Leasehold LLC  
c/o MIT Cambridge Real Estate LLC  
One Broadway, Suite 09-200  
Cambridge, MA 02142  
Attention: President

With copies to: MIT Investment Management Company  
One Broadway, Suite 09-200  
Cambridge, MA 02142  
Attention: Director of Real Estate Legal Services

and: Jones Lang LaSalle Americas, Inc.  
One Broadway, 6<sup>th</sup> Floor  
Cambridge, MA 02142  
Attention: Group Manager

With a copy by email to: [RELegal@mitimco.mit.edu](mailto:RELegal@mitimco.mit.edu)

If to Tenant: Prior to the Commencement Date: At the address set forth in the Lease Summary Sheet.

After the Commencement Date: At the Premises

Email address: [depstein@bdtherapeutics.com](mailto:depstein@bdtherapeutics.com)

With a copy to: Saul Ewing Arnstein & Lehr LLP  
Centre Square West  
1500 Market Street, 38th Floor  
Philadelphia, PA 19102-2186  
Attention: Kathryn Doyle

Notwithstanding the foregoing, and except in those instances where oral notices are permitted under this Lease, any notice from Landlord to Tenant regarding ordinary business operations (e.g., exercise of a right of access to the Premises, maintenance activities, invoices, etc.) may also be given by written notice delivered by electronic mail to any person at the Premises whom Landlord reasonably believes is authorized to receive such notice on behalf of Tenant without copies as specified above. Either party may at any time change the address or specify an additional address for such notices by delivering or mailing, as aforesaid, to the other party a notice stating the change and setting forth the changed or additional address, provided such changed or additional address is within the United States and is not a post office box. Notices shall be effective upon the date of receipt or refusal thereof. Any notice given by an attorney on behalf of Landlord shall be considered as given by Landlord and shall be fully effective. Any notice given by an attorney on behalf of Tenant shall be considered as given by Tenant and shall be fully effective.

## 23. MISCELLANEOUS

**23.1 Separability.** If any provision of this Lease or portion of such provision or the application thereof to any person or circumstance is for any reason held invalid or unenforceable, the remainder of this Lease (or the remainder of such provision) and the application thereof to other persons or circumstances shall not be affected thereby.

**23.2 Captions; Interpretation.** The captions are inserted only as a matter of convenience and for reference, and in no way define, limit or describe the scope of this Lease nor the intent of any provisions thereof. The normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this Lease or any exhibits or amendments hereto. Words of any gender used in this Lease shall be held and construed to include any other gender, and words in the singular number shall be held to include the plural, unless the context otherwise requires. Unless expressly stated otherwise, the use of the word “**including**” or “**include**” in this Lease shall be deemed to mean “**including without limitation**” or “**include without limitation**” in each instance.

**23.3 Broker.** Tenant and Landlord each warrants and represents that it has dealt with no broker in connection with the consummation of this Lease other than CBRE and Jones Lang LaSalle (collectively, the "**Broker**"). Tenant and Landlord each agrees to defend, indemnify and save the other harmless from and against any Claims arising in breach of its representation and warranty set forth in the immediately preceding sentence. Landlord shall be solely responsible for the payment of any brokerage commissions to Broker in connection with this Lease.

**23.4 Entire Agreement.** This Lease, Lease Summary Sheet and the Exhibits attached hereto and incorporated herein contain the entire and only agreement between the parties and any and all statements and representations, written and oral, including previous correspondence and agreements between the parties hereto, are merged herein. Tenant acknowledges that all representations and statements upon which it relied in executing this Lease are contained herein and that Tenant in no way relied upon any other statements or representations, written or oral. This Lease may not be modified orally or in any manner other than by written agreement signed by the parties hereto, provided that no amendment or modification may be effected by text message, electronic mail or similar communication.

**23.5 Governing Law; Personal Jurisdiction.** This Lease is made pursuant to, and shall be governed by, and construed in accordance with, the laws of the Commonwealth of Massachusetts and any applicable local municipal rules, regulations, by-laws, ordinances and the like. Any litigation relating to this Lease shall be brought in the state or federal courts in the Commonwealth of Massachusetts, and each party consents to personal jurisdiction in such courts.

**23.6 Tenant Representations; Landlord Representations.** Tenant hereby guarantees, warrants and represents to Landlord that (i) Tenant is duly incorporated or otherwise established or formed and validly existing under the laws of its state of incorporation, establishment or formation, (ii) Tenant has and is duly qualified to do business in the state in which the Property is located, (iii) Tenant has full corporate, partnership, trust, limited liability company or other appropriate power and authority to enter into this Lease and to perform all of Tenant's obligations hereunder, (iv) each person (and all of the persons if more than one signs) signing this Lease on behalf of Tenant is duly and validly authorized to do so; and (v) neither the execution, delivery or performance of this Lease, nor the consummation of the transactions contemplated hereby, will violate or conflict with any provision of documents or instruments under which Tenant is constituted or to which Tenant is a party.

Landlord hereby guarantees, warrants and represents to Tenant that (i) Landlord is duly incorporated or otherwise established or formed and validly existing under the laws of its state of incorporation, establishment or formation, (ii) Landlord has and is duly qualified to do business in the state in which the Property is located, (iii) Landlord has full corporate, partnership, trust, limited liability company or other appropriate power and authority to enter into this Lease and to perform all of Landlord's obligations hereunder, (iv) each person (and all of the persons if more than one signs) signing this Lease on behalf of Landlord is duly and validly authorized to do so; and (v) neither the execution, delivery or performance of this Lease, nor the consummation of the transactions contemplated hereby, will violate or conflict with any provision of documents or instruments under which Landlord is constituted or to which Landlord is a party.

**23.7 Expenses Incurred by Landlord Upon Tenant Requests.** Tenant shall, upon demand, reimburse Landlord for all reasonable expenses, including reasonable legal fees, incurred by Landlord in connection with all requests by Tenant for consents, approvals or execution of collateral documentation related to this Lease, including costs incurred by Landlord in the review and approval of Tenant's plans and specifications in connection with proposed Alterations to be made by Tenant to the Premises or in connection with requests by Tenant for Landlord's consent to make a Transfer. Such costs shall be deemed to be additional rent under this Lease.



**23.8 Survival.** Without limiting any other obligation of Tenant which may survive the expiration or prior termination of the Term, all obligations on the part of Tenant to indemnify, defend, or hold Landlord harmless, as set forth in this Lease (including Section 12.2) shall survive the expiration or prior termination of the Term.

**23.9 Limitation of Liability.** Tenant shall neither assert nor seek to enforce any claim against Landlord or any of the Landlord Parties, or the assets of any of the Landlord Parties, for breach of this Lease or otherwise, other than against Landlord's interest in the Property, and Tenant agrees to look solely to such interest for the satisfaction of any liability of Landlord under this Lease. This Section 23.9 shall not limit any right that Tenant might otherwise have to obtain injunctive relief against Landlord. Landlord and Tenant specifically agree that in no event shall any officer, director, manager, member, trustee, employee or representative of Landlord or any of the other Landlord Parties ever be personally liable for any obligation under this Lease. In no event shall Landlord or any of the other Landlord Parties be liable for consequential, incidental, indirect, special or punitive damages or for lost profits whatsoever in connection with this Lease. In no event shall Tenant or any of the other Tenant Parties be liable for consequential, incidental indirect, special or punitive damages, except with respect to consequential damages incurred by Landlord in connection with a holdover by Tenant after the end of the Term or earlier termination of this Lease, or a breach of any obligations of Tenant under Article 15 of this Lease.

**23.10 Binding Effect.** The covenants, agreements, terms, provisions and conditions of this Lease shall bind and benefit the successors and assigns of the parties hereto with the same effect as if mentioned in each instance where a party hereto is named or referred to, except that no violation of the provisions of Article 11 hereof shall operate to vest any rights in any successor or assignee of Tenant. A facsimile, PDF or other electronic signature on this Lease shall be equivalent to, and have the same force and effect as, an original signature.

**23.11 Landlord Obligations upon Transfer.** Upon any sale, transfer or other disposition of the Building, Landlord shall be entirely relieved from the performance and observance accruing thereafter of all covenants and obligations hereunder on the part of Landlord to be performed and observed, it being understood and agreed in such event (and it shall be deemed and construed as a covenant running with the land) that the person succeeding to Landlord's ownership of said reversionary interest shall thereupon and thereafter assume, and perform and observe, any and all of such covenants and obligations of Landlord, except as otherwise agreed in writing.

**23.12 Grants of Interest.** Tenant shall not grant any security interest whatsoever in any fixtures within the Premises without the consent of Landlord. Tenant shall notify Landlord within ten (10) business days after the filing of any UCC statement relating to Tenant's Property.

**23.13 No Air Rights.** No rights to any view or to light or air over any property, whether belonging to Landlord or any other person, are granted to Tenant by this Lease. If at any time any windows of the Premises are temporarily darkened or the light therefrom is obstructed by reason of any repairs, improvements, maintenance or cleaning in or about the Property, the same shall be without liability to Landlord and without any reduction or diminution of Tenant's obligations under this Lease.

**23.14 Relocation.** Landlord, at its expense, at any time before or during the Term, may cause Tenant to relocate from the Premises to space of reasonably comparable size and utility ("**Relocation Space**") within the Building upon sixty (60) days' prior written notice to Tenant, which notice shall set forth the date by which Tenant must complete such relocation and surrender the prior Premises, as well as a reasonable description of the Relocation Space. From and after the date of the relocation, Base Rent, Tenant's Share and Tenant's Tax Share shall be adjusted based on the rentable square footage of the Relocation Space. Provided there is no Event of Default nor any event which, with the passage of time and/or the giving of notice would constitute an Event of Default, Landlord shall, within thirty (30) days after receipt of a reasonably detailed invoice, reimburse Tenant for Tenant's reasonable costs of relocation, including all costs for moving Tenant's furniture, equipment, supplies and other personal property, as well as the cost of printing and distributing change of address notices to Tenant's customers and one month's supply of stationery showing the new address so long as such invoice is delivered to Landlord within sixty (60) days after the effective date of such relocation.

**23.15 Counterparts.** This Lease may be executed in two or more counterparts, and by each or either of the parties in separate counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

**23.16 Financial Information.** Tenant shall deliver to Landlord, within sixty (60) days after the end of each fiscal year of Tenant as well as anytime within thirty (30) days after Landlord's reasonable request, Tenant's most recently completed balance sheet and related statements of income, shareholder's equity and cash flows statements (audited if available) reviewed by an independent certified public accountant and certified by an officer of Tenant as being true and correct in all material respects. Any such financial information may be relied upon by any actual or potential lessor, purchaser, or mortgagee of the Property or any portion thereof. Tenant's fiscal year is January 1 to December 31. Tenant may change its fiscal year upon written notice to Landlord.

**23.17 Measurements.** Landlord shall have the right, from time to time, to measure the Building and the Premises in accordance with the then-current Standard Method of Measurement for Office Buildings (ANSI/BOMA) (or if such standard is no longer in use, using an industry-standard method of measurement reasonably selected by Landlord) and to make an appropriate adjustment to Base Rent, Tenant's Share and Tenant's Tax Share. Tenant shall execute an agreement confirming such measurements and adjustments within ten (10) business days after Landlord's request therefor. Tenant's failure to execute and return any such agreement proposed by Landlord, or to provide written objection to the statements contained therein, within ten (10) business days after the date of Tenant's receipt thereof, shall be deemed an approval by Tenant of Landlord's determination of such dates as set forth therein.

**23.18 OFAC.** Tenant warrants and represents to Landlord as of the date hereof and throughout the Term that it is not owned or controlled, directly or indirectly, by any person or government from countries or other areas that are subject to economic, trade, sectoral, or transactional sanctions imposed by the United States Government, and that neither Tenant nor any of its owners, directors, officers or group companies appears on any lists of known or suspected terrorists, terrorist organizations or other prohibited persons made publicly available or published by any agency of the government of the United States or any other jurisdiction in which Tenant is doing business, including but not limited to the List of Specially Designated Nationals and Blocked Persons maintained by the Office of Foreign Assets Control of the U.S. Department of the Treasury. Tenant shall notify Landlord promptly, but in no event more than 48 hours after knowledge thereof, if these circumstances change.

**23.19 Confidentiality.** Tenant acknowledges and agrees that the terms of this Lease are confidential. Disclosure of the terms hereof could adversely affect the ability of Landlord to negotiate other leases with respect to the Building and may impair Landlord's relationship with other tenants of the Building. Tenant agrees that it and its partners, officers, directors, employees, brokers, and attorneys, if any, shall not disclose the terms and conditions of this Lease to any other person or entity without the prior written consent of Landlord, which may be given or withheld by Landlord, in Landlord's sole

discretion, except as required for financial disclosures or securities filings, as required by the order of any court or public body with authority over Tenant, or in connection with any litigation between Landlord and Tenant with respect to this Lease. It is understood and agreed that damages alone would be an inadequate remedy for the breach of this provision by Tenant, and Landlord shall also have the right to seek specific performance of this provision and to seek injunctive relief to prevent its breach or continued breach. Landlord shall not disclose any and all materials, data and information delivered to or received by it (including, without limitation, all financial statements) concerning Tenant or its business operations either prior to or during the Term without the prior written consent of Tenant, except to Landlord's financial and legal advisors, in connection with a sale or financing of the Building, as required for financial disclosures or securities filings, as required by the order of any court or public body with authority over Landlord, or in connection with any litigation between Landlord and Tenant with respect to this Lease. The provisions of the previous sentence shall survive the expiration or prior termination of the Term for one (1) year.

**23.20 Security.** Landlord reserves the right, but not the obligation, to install security and other monitoring devices in and around the Building, including devices that monitor the usage of the Common Areas. Tenant acknowledges that security devices and services, if any, while intended to deter crime, may not in given instances prevent theft or other criminal acts. Landlord shall not be liable for injuries or losses caused by criminal acts of third parties, and Tenant assumes the risk that any security device or service may malfunction or otherwise be circumvented by a criminal. If Tenant desires protection against such criminal acts, then Tenant shall, at Tenant's sole cost and expense, obtain appropriate insurance coverage. Tenant's security programs and equipment for the Premises shall be coordinated with Landlord and subject to Landlord's reasonable approval. As of the Commencement Date, the Landlord maintains a front desk in the Building lobby from 7 AM to 7 PM Monday through Friday and 9 AM to 1 PM on Saturdays, excluding holidays. Such hours are subject to change in Landlord's sole and absolute discretion.

**23.21 Time.** Time is of the essence as to the performance of each party's obligations under this Lease. Except as expressly set forth herein, any time period which ends on a non-business day shall be extended to the first subsequent business day.

**23.22 WAIVER OF JURY TRIAL.** TENANT AND LANDLORD WAIVE ANY RIGHT TO TRIAL BY JURY OR TO HAVE A JURY PARTICIPATE IN RESOLVING ANY DISPUTE, WHETHER IN CONTRACT, TORT, OR OTHERWISE, BETWEEN LANDLORD AND TENANT ARISING OUT OF THIS LEASE OR ANY OTHER INSTRUMENT, DOCUMENT, OR AGREEMENT EXECUTED OR DELIVERED IN CONNECTION HERewith OR THE TRANSACTIONS RELATED HERETO.

**23.23 Bankruptcy.** In the event a debtor, trustee or debtor in possession under the Bankruptcy Code, or another person with similar rights, duties and powers under any other Legal Requirements, proposes to cure any Tenant default under this Lease or to assume or assign Tenant's interest under this Lease, and is obliged to provide adequate assurance to Landlord that (a) a default shall be cured, (b) Landlord shall be compensated for its damages arising from any breach of this Lease, and (c) future performance of Tenant's obligations under this Lease shall occur, then such adequate assurances shall include any or all of the following, as designated by Landlord in its sole and absolute discretion: (i) those acts specified in the Bankruptcy Code or other Legal Requirements as included within the meaning of "**adequate assurance**," even if this Lease does not concern a shopping center or other facility described in such Legal Requirements; (ii) a prompt cash payment to compensate Landlord for any monetary defaults or actual damages arising directly from a breach of this Lease; (iii) a cash deposit in an amount at least equal to the then-current amount of the Letter of Credit; or (iv) the assumption or assignment of all of Tenant's interest and obligations under this Lease.

**23.24 Tenant Force Majeure.** In the event Tenant is delayed in the in performance of any act required hereunder, other than the payment of money, due to Tenant's Force Majeure (as hereinafter defined), then performance of such act shall be excused for the period of the delay. As used in this Lease, the term "**Tenant's Force Majeure**" shall mean delays in performance of any act required hereunder, other than the payment of money, due to riots, acts of God, war, acts of terrorism, governmental regulation, unusual scarcity of or inability to obtain labor or materials, labor difficulties, casualty or any other causes reasonably beyond Tenant's control. Tenant's Force Majeure shall not be construed to excuse Tenant from performing any covenant or obligation imposed under this Lease by reason of the financial inability of Tenant.

**23.25 Not Binding Until Executed.** This Lease shall have no binding force or effect, shall not constitute an offer or an option for the leasing of the Premises, nor confer any right or impose any obligations upon either party until execution and delivery of this Lease by both parties.

[SIGNATURES ON FOLLOWING PAGE]

**LANDLORD:**

MIT 139 MAIN STREET LEASEHOLD LLC, a Massachusetts limited liability company

By: MIT CAMBRIDGE REAL ESTATE LLC, its manager

By: /s/ Seth D. Alexander

Name: Seth D. Alexander

Title: President, and not individually

**TENANT:**

BLACK DIAMOND THERAPEUTICS, INC., a Delaware corporation

By: /s/ David M. Epstein

Name: David M. Epstein

Title: President & Chief Executive Officer

DATE: March 26, 2019

EXHIBIT 1

LEGAL DESCRIPTION

A certain parcel of land situated and now numbered 137 to 145 Main Street in Cambridge, Middlesex County, Massachusetts, being the premises shown as Lot A on a plan entitled "Plan of Premises in Cambridge, Massachusetts, W.A. Mason & Son Co., Surveyors, September 13, 1926, Changes October 30, 1926", recorded in Plan Book 385, Plan 49, said premises being bounded and described according to said plan as follows:

SOUTHERLY on the Northerly side of said Main Street, ninety (90) feet;

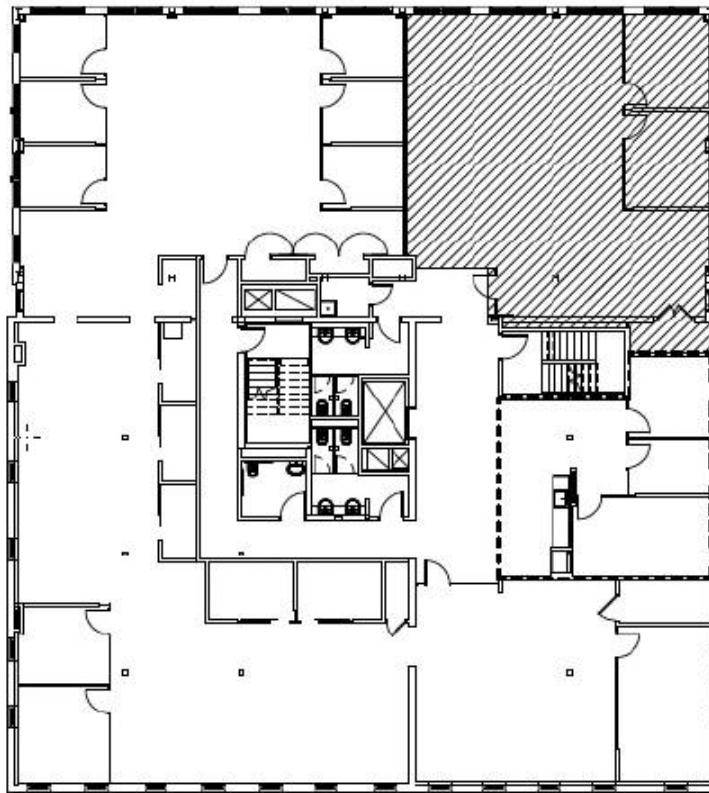
WESTERLY on land now or formerly of W.R. Mason et al, one hundred four and 07/100 (104.07) feet;

NORTHERLY by Lot B as shown on said plan, ninety and 01/100 (90.01) feet; and

EASTERLY on land now or formerly of heirs of Mrs. Brooks, one hundred five and 66/100 (105.66) feet.

EXHIBIT 1, PAGE 1

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**LEGEND**

-  Tenant Premises - Tenant 301, Third Floor
-  Shared Floor Common Amenity Area

Note: Shared Floor Common Amenity Area is shown for reference only and is not part of tenant premises.



Premises Plan  
**139 Main Street | Tenant 301**  
Cambridge, Massachusetts | 16 November 2018

MEMORIALIZATION OF DATES AGREEMENT

[Date]

[Tenant Name]

[Address]

[Attn: \_\_\_\_\_]

Re: Lease dated \_\_\_\_\_ ([as amended,] the "Lease") by and between MIT 139 Main Street Leasehold LLC ("Landlord"), and Black Diamond Therapeutics, Inc. ("Tenant") with respect to 2,357 rentable square feet on the third (3rd) floor of the Building located at 139 Main Street, Cambridge, Massachusetts

Dear \_\_\_\_\_ :

In accordance with the terms and conditions of the Lease, Tenant accepts possession of the Premises and acknowledges:

- 1. The Commencement Date is \_\_\_\_\_.
- 2. The Expiration Date is \_\_\_\_\_ .

This letter is binding upon and shall inure to the benefit of Landlord and Tenant and their respective successors and assigns.

Please acknowledge the foregoing and your acceptance of possession by signing a copy of this letter in the space provided and returning it to \_\_\_\_\_. Tenant's failure to execute and return this letter, or to provide written objection to the statements contained in this letter, within ten (10) business days after the date of this letter, shall be deemed an approval by Tenant of the statements contained herein.

Sincerely,

MIT 139 MAIN STREET LEASEHOLD LLC, a Massachusetts limited liability company

By: MIT CAMBRIDGE REAL ESTATE LLC, its manager

By: \_\_\_\_\_  
Name:  
Title:

Acknowledged and Accepted:

BLACK DIAMOND THERAPEUTICS, INC.

By: \_\_\_\_\_  
Name:  
Title:  
DATE: \_\_\_\_\_ , 20\_\_\_\_\_



*[Intentionally Omitted]*

EXHIBIT 5

WORK LETTER

Landlord's Work consists of (i) the work described as Landlord's responsibilities on the Landlord/Tenant Responsibilities Matrix attached hereto as Exhibit 5A and (ii) the work identified on the Landlord's Work Plans attached hereto as Exhibit 5B. Landlord's Work shall be deemed "**Substantially Complete**" on the date (A) that Landlord's Work is substantially completed (as certified in writing by Landlord's architect) in accordance with (i) the Landlord/Tenant Responsibilities Matrix and (ii) the Landlord's Work Plans, except for punchlist items, the incompleteness of which does not materially interfere with Tenant's ability to use or occupy the Premises for the Permitted Uses, and (B) Landlord has obtained either a completed or "signed off" building permit or temporary or permanent certificate of occupancy for the Premises from the Inspectional Services Department of the City of Cambridge; provided, however, to the extent Landlord is delayed in performing Landlord's Work and/or obtaining such building permit sign off or certificate of occupancy because of the acts or omissions of Tenant or any employee, contractor, agent or representative of Tenant (which omissions may include Tenant's failure to install its furniture and/or perform any Alterations not included in Landlord's Work), then for purposes only of calculating the Commencement Date, Landlord's Work will be deemed to have been substantially complete on the date on which the building permit sign off or certificate of occupancy (temporary or permanent) would have been issued but for such delays.

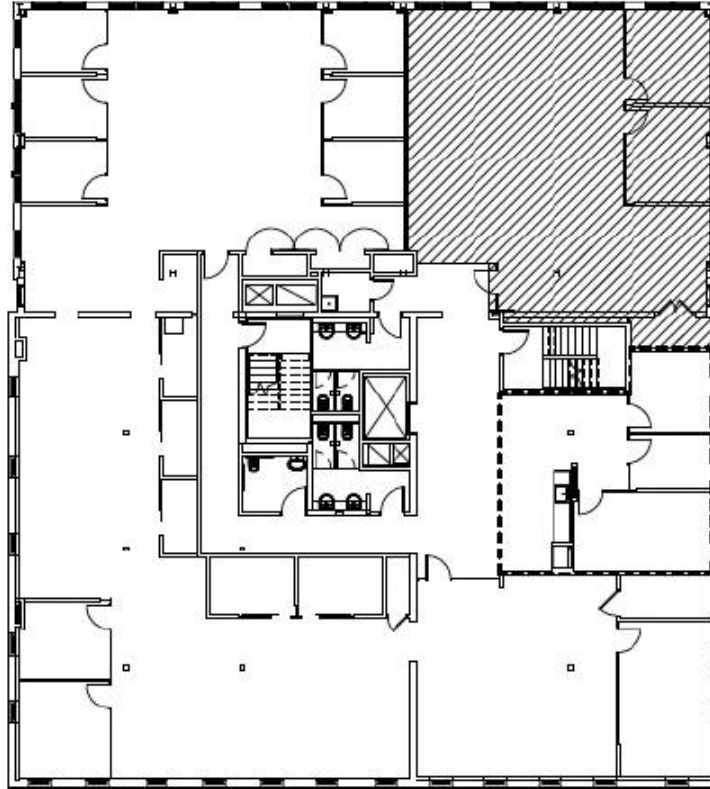
Tenant, at its sole cost and expense, shall be responsible for all items on the Landlord/Tenant Responsibilities Matrix identified as Tenant's responsibility, including procuring and installing all trade fixtures, furniture and equipment Tenant may require to operate its business in the Premises and all telecommunications cabling and wiring.

Upon Landlord's Work being Substantially Complete, and without limiting Landlord's rights under Section 23.18, Landlord may ask its architect to re-measure the Premises and/or the Building in accordance with Section 23.18 and make the appropriate adjustments to Base Rent, Tenant's Share and Tenant's Tax Share, and Tenant shall execute and deliver to Landlord the agreement required thereby confirming such adjustments.

LANDLORD/TENANT RESPONSIBILITIES MATRIX

LANDLORD'S WORK PLAN

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**LEGEND**

-  Tenant Premises - Tenant 301, Third Floor
-  Shared Floor Common Amenity Area

Note: Shared Floor Common Amenity Area is shown for reference only and is not part of tenant premises.



Premises Plan  
**139 Main Street | Tenant 301**  
Cambridge, Massachusetts | 16 November 2018

## FINISH MATERIAL SCHEDULE

### CEILINGS

ACOUSTICAL CEILING PANEL (LEVEL 1 TENANT ONLY, SPACE BETWEEN JOISTS): - TECTUM FINALE 2" WHITE TWH  
ACOUSTICAL CEILING PANEL: ARMSTRON OPTIMA CONCEALED , WHITE WITH PRELUDE 15/16" SUSPENSION SYSTEMS, 48" X 48";  
TENANT OFFICES SONASPRAY: 1" WHITE (TYPICAL)

### PAINT

P-5 PAINT BENJAMIN MOORE WHITE (TYPICAL)  
P-6 MARKERBOARD WALL PAINT IDEAPAIN CREATE CLEAR TENANT SPACES WHERE INDICATED

### ACOUSTICAL WALL PANELS

ACOUSTICAL WALL PANEL KIREI ECHOPANEL 12MM 551; TENANT PHONE BOOTHS

### PLASTIC LAMINATE

PL-03 PLASTIC LAMINATE WILSONART D354-60 DESIGNER WHITE CLOSET SHELVES

### WINDOWS:

WINDOW SILLS- PAINTED WOOD (WHITE)

### WALL BASE

B-5 RUBBER BASE JOHNSONITE TRADITIONAL WALL BASE 20 CHARCOAL 4" HIGH CARPET AT GWB WALLS

### CARPET

CPT-1 CARPET TILE SHAW CONTRACT EMBELLISH TILE INLAY METAL 71556 24" X 24" TENANT OPEN SPACES  
CPT-2 CARPET TILE SHAW CONTRACT WANDER TILE AIRY 37530 24" X 24" TENANT OFFICES

### WOOD FLOORING

WF-1 WOOD FLOORING NYDREE WIDE PLANK SERIES PINEAPPLE 7.5" X RANDOM 18"-72"

### GLAZING:

GLAZING SYSTEM: LITESPACE BY SPACEWORKS, WITH BLACK ANODIZED FINISH

EXHIBIT 5B, PAGE 2

## OPERATING COSTS

**“Operating Costs”** shall mean all costs incurred and expenditures of whatever nature made by Landlord in the operation, management, repair, replacement, maintenance and insurance (including environmental liability insurance and property insurance on Landlord-supplied leasehold improvements for tenants, but not property insurance on tenants’ equipment) of the Property or allocated to the Property, including all costs of labor (wages, salaries, fringe benefits, etc.) up to and including the group or portfolio manager, however denominated, any costs for utilities supplied to exterior areas and the Common Areas, and any costs for repair and replacements, cleaning and maintenance of exterior areas and the Common Areas, related equipment, facilities and appurtenances and HVAC equipment, security services, a management fee paid to Landlord’s property manager, the costs, including a commercially reasonable rental factor, of Landlord’s management office for the Property (which management office may be located outside the Property and which may serve other properties in addition to the Property (in which event the costs thereof shall be equitable allocated along the properties served by such office)), the cost of operating any amenities in the Property available to all tenants of the Property and any subsidy provided by Landlord for or with respect to any such amenity, and the costs of any consultants and/or experts engaged to evaluate cost-savings measures for the Property (including tax and energy conservation consultants). To the extent that a cost included in Operating Costs is also allocable to property other than the Property, such cost shall be equitably allocated to each parcel of property which benefits from such cost. Operating Costs shall not include Excluded Costs (hereinafter defined). Landlord shall have the right but not the obligation, from time to time, to equitably allocate some or all of the Operating Costs among different tenants of the Property (for example, and without limiting the generality of the foregoing, based in whole or in part on shared or similar use of particular systems or equipment).

**“Excluded Costs”** shall mean (i) any mortgage charges (including interest, principal, points and fees) and rental payments made under any ground or underlying lease or leases; (ii) brokerage commissions, attorneys’ fees and costs, space planning costs, and costs and expenses incurred in connection with lease, sublease and/or assignment negotiations and transactions with present or prospective tenants or other occupants of the Building; (iii) salaries of executives and owners not directly employed in the management/operation of the Property; (iv) the cost of work (including permit, license, and inspection fees) done by Landlord for a particular tenant, including any costs incurred in renovating, improving, decorating, painting or redecorating vacant leasable space or space for tenants; (v) the cost of items which, by generally accepted accounting principles, would be capitalized on the books of Landlord or are otherwise not properly chargeable against income, except to the extent such capital item is (A) required by any Legal Requirements, (B) reasonably projected to reduce Operating Costs, or (C) reasonably expected to improve the management, security and/or operation of the Building, which such capital items shall be amortized over the useful life of the capital item in accordance with generally accepted accounting principles; (vi) the costs of any contributions made by Landlord to any tenant of the Property in connection with the build-out of its premises; (vii) franchise or income taxes imposed on Landlord; (viii) costs paid directly by individual tenants to suppliers, including tenant electricity, telephone and other utility costs; (ix) increases in premiums for insurance when such increase is caused by the use of the Property by Landlord or any other tenant of the Property; (x) maintenance and repair of capital items not a part of, or used in connection with, the Property; (xi) depreciation of the Property; (xii) costs relating to maintaining Landlord’s existence as a corporation, partnership or other entity; (xiii) advertising and other fees and costs incurred in procuring tenants; (xiv) the cost of any items for which Landlord is actually reimbursed by insurance, condemnation awards, refund, rebate or otherwise, and any expenses for repairs or maintenance to the extent covered by warranties, guaranties and service contracts; (xv) costs incurred in connection with any disputes between Landlord and its employees, between Landlord and Building management, or between Landlord and other tenants or occupants; (xvi) real estate/rental commissions,

marketing and advertising costs, fees incurred in connection with the development and leasing of the Building; (xvii) legal costs, professional fees, court costs, and other expenses incurred in preparing, negotiating and executing leases, amendments and terminations or in resolving any disputes with tenants or occupants or enforcing lease obligations; and (xviii) cost of any repair made by Landlord to remedy damage caused by the negligence or willful or intentional acts of Landlord, its agents, servants, contractors, or employees, fines, late fees, interest or penalties incurred by Landlord.

EXHIBIT 6, PAGE 2

EXHIBIT 7

TAXES

“**Taxes**” shall mean the real estate taxes and other taxes, levies and assessments imposed upon the Property, and upon any personal property of Landlord used in the operation thereof, or on Landlord’s interest therein or such personal property or reasonably allocated thereto (provided that to the extent the Property is not a separate tax parcel, such amounts shall be allocated among the buildings located on the tax parcel of which the Property is a part and shall be based on the assessor’s records or, if the records do not provide a separate allocation, based on square footage of the buildings in question unless Landlord reasonably determines that such allocation should be made on another basis); charges, fees and assessments for transit, housing, police, fire or other services or purported benefits to the Property (including any community preservation assessments); service or user payments in lieu of taxes; and any and all other taxes, levies, betterments, assessments and charges arising from the ownership, leasing, operation, use or occupancy of the Property or based upon rentals derived therefrom, which are or shall be imposed by federal, state, county, municipal or other governmental authorities. If any such Tax is levied or assessed directly against Tenant, then Tenant shall be responsible for and shall pay the same at such times and in such manner as the taxing authority shall require. From and after substantial completion of any occupiable improvements constructed as part of a Future Development, if such improvements are not separately assessed, Landlord shall reasonably allocate Taxes between the Building and such improvements and the land area associated with the same. Taxes shall not include any inheritance, estate, succession, gift, franchise, rental, income or profit tax, capital stock tax, capital levy or excise, or any income taxes arising out of or related to the ownership and operation of the Property, provided, however, that any of the same and any other tax, excise, fee, levy, charge or assessment, however described, that may in the future be levied or assessed as a substitute for or in addition to, in whole or in part, any tax, levy or assessment which would otherwise constitute Taxes, whether or not now customary or in the contemplation of the parties on the Execution Date of this Lease, shall constitute Taxes, but only to the extent calculated as if the Property were the only real estate owned by Landlord. “**Taxes**” shall also include reasonable expenses (including reasonable legal and consultant fees) of tax abatement or other proceedings contesting assessments or levies. Tenant shall pay, prior to delinquency, any and all Taxes levied or assessed against any personal property or trade fixtures placed by Tenant in the Premises, whether levied or assessed against Landlord or Tenant. If any Taxes on Tenant’s personal property or trade fixtures are levied against Landlord or Landlord’s property, or if the assessed valuation of the Project is increased by a value attributable to improvements in or alterations to the Premises made by Tenant, whether owned by Landlord or Tenant and whether or not affixed to the real property so as to become a part thereof, higher than the base valuation on which Landlord from time-to-time allocates Taxes to all tenants in the Project, Landlord shall have the right, but not the obligation, to pay such Taxes. The amount of any such payment by Landlord shall constitute additional rent due from Tenant to Landlord within thirty (30) days of invoice therefor.

“**Tax Period**” shall be any fiscal/tax period in respect of which Taxes are due and payable to the appropriate governmental taxing authority (i.e., as mandated by the governmental taxing authority), any portion of which period occurs during the Term of this Lease.



FORM OF LETTER OF CREDIT

IRREVOCABLE STANDBY LETTER OF CREDIT NUMBER \_\_\_\_\_

ISSUE DATE: \_\_\_\_\_

ISSUING BANK: \_\_\_\_\_

BENEFICIARY:

[LANDLORD ENTITY]

c/o MIT CAMBRIDGE REAL ESTATE LLC

238 MAIN STREET, SUITE 200

CAMBRIDGE, MA 02142

APPLICANT:

AMOUNT: US\$ (AND 00/100 U.S. DOLLARS)

EXPIRATION DATE: \_\_\_\_\_ (ONE YEAR FROM ISSUANCE)

LOCATION:

DEAR SIR/MADAM:

WE HEREBY ESTABLISH OUR IRREVOCABLE STANDBY LETTER OF CREDIT NO. SVBSF\_\_\_\_\_ IN YOUR FAVOR AVAILABLE BY YOUR DRAFTS DRAWN ON US AT SIGHT IN THE FORM OF EXHIBIT "A" ATTACHED AND ACCOMPANIED BY THE FOLLOWING DOCUMENTS: THE ORIGINAL OF THIS LETTER OF CREDIT AND ALL AMENDMENT(S), IF ANY.

PARTIAL DRAWS AND MULTIPLE PRESENTATIONS ARE ALLOWED.

THIS LETTER OF CREDIT SHALL BE AUTOMATICALLY EXTENDED FOR AN ADDITIONAL PERIOD OF ONE YEAR, WITHOUT AMENDMENT, FROM THE PRESENT OR EACH FUTURE EXPIRATION DATE UNLESS AT LEAST 60 DAYS PRIOR TO THE THEN CURRENT EXPIRATION DATE WE SEND YOU A NOTICE BY REGISTERED MAIL OR OVERNIGHT COURIER SERVICE AT THE ABOVE ADDRESS THAT THIS LETTER OF CREDIT WILL NOT BE EXTENDED BEYOND THE CURRENT EXPIRATION DATE. IN NO EVENT SHALL THIS LETTER OF CREDIT BE AUTOMATICALLY EXTENDED BEYOND \_\_\_\_\_. IN THE EVENT OF SUCH NOTICE OF NON-EXTENSION, YOU MAY DRAW HEREUNDER WITH A DRAFT STATED ABOVE AND ACCOMPANIED BY THIS ORIGINAL LETTER OF CREDIT AND AMENDMENT(S), IF ANY.

THIS LETTER OF CREDIT IS TRANSFERABLE ONE OR MORE TIMES, BUT IN EACH INSTANCE ONLY TO A SINGLE BENEFICIARY AS TRANSFEREE AND ONLY UP TO THE THEN AVAILABLE AMOUNT, ASSUMING SUCH TRANSFER TO SUCH TRANSFEREE WOULD BE IN COMPLIANCE WITH THEN APPLICABLE LAW AND REGULATION, INCLUDING BUT NOT LIMITED TO THE REGULATIONS OF THE U. S. DEPARTMENT OF TREASURY AND U. S.

DEPARTMENT OF COMMERCE. AT THE TIME OF TRANSFER, THE ORIGINAL LETTER OF CREDIT AND ORIGINAL AMENDMENT(S), IF ANY, MUST BE SURRENDERED TO US AT OUR ADDRESS INDICATED IN THIS LETTER OF CREDIT TOGETHER WITH OUR TRANSFER FORM ATTACHED HERETO AS EXHIBIT "B" DULY EXECUTED. THE CORRECTNESS OF THE SIGNATURE AND TITLE OF THE PERSON SIGNING THE TRANSFER FORM MUST BE VERIFIED BY BENEFICIARY'S BANK. APPLICANT SHALL PAY OUR TRANSFER FEE OF ¼ OF 1% OF THE TRANSFER AMOUNT (MINIMUM US \$250.00) UNDER THIS LETTER OF CREDIT.

IF THE ORIGINAL OF THIS STANDBY LETTER OF CREDIT NO. \_\_\_\_\_ IS LOST, STOLEN OR DESTROYED, WE WILL ISSUE YOU A "CERTIFIED TRUE COPY" OF THIS STANDBY LETTER OF CREDIT NO. \_\_\_\_\_ UPON OUR RECEIPT OF YOUR INDEMNITY LETTER TO SILICON VALLEY BANK WHICH WILL BE SENT TO YOU UPON OUR RECEIPT OF YOUR WRITTEN REQUEST THAT THIS STANDBY LETTER OF CREDIT NO. \_\_\_\_\_ IS LOST, STOLEN OR DESTROYED. IF THE ORIGINAL OF THIS STANDBY LETTER OF CREDIT NO. \_\_\_\_\_ IS \_\_\_\_\_ MUTILATED, WE WILL ISSUE YOU A REPLACEMENT STANDBY LETTER OF CREDIT WITH THE SAME NUMBER, DATE AND TERMS AS THE ORIGINAL UPON OUR RECEIPT OF THE MUTILATED STANDBY LETTER OF CREDIT.

THIS STANDBY LETTER OF CREDIT MAY ALSO BE CANCELLED PRIOR TO ANY PRESENT OR FUTURE EXPIRATION DATE, UPON RECEIPT BY BANK BY OVERNIGHT COURIER OR REGISTERED MAIL (RETURN RECEIPT REQUESTED) OF THE ORIGINAL STANDBY LETTER OF CREDIT AND ALL AMENDMENTS, IF ANY, FROM BENEFICIARY TOGETHER WITH A STATEMENT SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE BENEFICIARY ON COMPANY LETTERHEAD STATING THAT THIS STANDBY LETTER OF CREDIT IS NO LONGER REQUIRED AND IS BEING RETURNED FOR CANCELLATION.

DRAFT(S) AND DOCUMENTS MUST INDICATE THE NUMBER AND DATE OF THIS LETTER OF CREDIT.

ALL DEMANDS FOR PAYMENT SHALL BE MADE BY PRESENTATION OF THE ORIGINAL APPROPRIATE DOCUMENTS ON A BUSINESS DAY AT OUR OFFICE (THE "BANK'S OFFICE") AT: [ADDRESS], ATTENTION: STANDBY LETTER OF CREDIT NEGOTIATION SECTION.

FACSIMILE PRESENTATIONS ARE PERMITTED. SHOULD BENEFICIARY WISH TO MAKE PRESENTATIONS UNDER THIS LETTER OF CREDIT ENTIRELY BY FACSIMILE TRANSMISSION IT NEED NOT TRANSMIT THIS LETTER OF CREDIT AND AMENDMENT(S), IF ANY. EACH FACSIMILE TRANSMISSION SHALL BE MADE AT: [TELEPHONE CONTACT NUMBER], ATTENTION: STANDBY LETTER OF CREDIT NEGOTIATION SECTION WITH ORIGINALS TO FOLLOW BY OVERNIGHT COURIER SERVICE; PROVIDED, HOWEVER, THE BANK WILL DETERMINE HONOR OR DISHONOR ON THE BASIS OF PRESENTATION BY FACSIMILE ALONE, AND WILL NOT EXAMINE THE ORIGINALS. IN ADDITION, ABSENCE OF THE AFORESAID TELEPHONE ADVICE SHALL NOT AFFECT OUR OBLIGATION TO HONOR ANY DRAW REQUEST.

IF DEMAND FOR PAYMENT IS PRESENTED BY 10 AM [INDICATE TIME ZONE] TIME AND CONFORMS TO THE TERMS AND CONDITIONS OF THIS LETTER OF CREDIT, PAYMENT SHALL BE MADE BY BANK TO YOU OF THE AMOUNT SPECIFIED IN IMMEDIATELY AVAILABLE FUNDS NOT LATER THAN THE SECOND FOLLOWING BUSINESS DAY. IF DEMAND FOR PAYMENT IS PRESENTED BY YOU HEREUNDER AFTER THE TIME SPECIFIED ABOVE, AND CONFORMS TO THE TERMS AND CONDITIONS OF THIS LETTER OF CREDIT, PAYMENT SHALL BE MADE TO YOU OF THE AMOUNT SPECIFIED IN IMMEDIATELY AVAILABLE FUNDS NO LATER THAN THE THIRD FOLLOWING BUSINESS DAY.

EXHIBIT 8, PAGE 2

WE HEREBY AGREE WITH THE BENEFICIARY THAT DRAFTS DRAWN UNDER AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS LETTER OF CREDIT WILL BE DULY HONORED UPON PRESENTATION TO US ON OR BEFORE THE EXPIRATION DATE OF THIS LETTER OF CREDIT OR ANY AUTOMATICALLY EXTENDED EXPIRATION DATE.

IF ANY INSTRUCTIONS ACCOMPANYING A DRAWING UNDER THIS LETTER OF CREDIT REQUEST THAT PAYMENT IS TO BE MADE BY TRANSFER TO YOUR ACCOUNT WITH ANOTHER BANK, WE WILL ONLY EFFECT SUCH PAYMENT BY FED WIRE TO A U.S. REGULATED BANK, AND WE AND/OR SUCH OTHER BANK MAY RELY ON AN ACCOUNT NUMBER SPECIFIED IN SUCH INSTRUCTIONS EVEN IF THE NUMBER IDENTIFIES A PERSON OR ENTITY DIFFERENT FROM THE INTENDED PAYEE.

THIS LETTER OF CREDIT IS SUBJECT TO THE INTERNATIONAL STANDBY PRACTICES (ISP98), INTERNATIONAL CHAMBER OF COMMERCE, PUBLICATION NO. 590.

\_\_\_\_\_  
AUTHORIZED SIGNATURE

\_\_\_\_\_  
AUTHORIZED SIGNATURE

IRREVOCABLE STANDBY LETTER OF CREDIT NUMBER \_\_\_\_\_

EXHIBIT 8, PAGE 3

**EXHIBIT A**

DATE: \_\_\_\_\_

REF. NO. \_\_\_\_\_

AT SIGHT OF THIS DRAFT

PAY TO THE ORDER OF \_\_\_\_\_ US\$ \_\_\_\_\_

US DOLLARS \_\_\_\_\_

DRAWN UNDER \_\_\_\_\_ BANK, [ADDRESS], STANDBY  
LETTER OF CREDIT NUMBER NO. \_\_\_\_\_ DATED \_\_\_\_\_

TO: BANK  
[ADDRESS]

\_\_\_\_\_  
(BENEFICIARY'S NAME)

\_\_\_\_\_  
**Authorized Signature**

**GUIDELINES TO PREPARE THE DRAFT**

1. DATE: ISSUANCE DATE OF DRAFT.
2. REF. NO.: BENEFICIARY'S REFERENCE NUMBER, IF ANY.
3. PAY TO THE ORDER OF: NAME OF BENEFICIARY AS INDICATED IN THE L/C (MAKE SURE BENEFICIARY ENDORSES IT ON THE REVERSE SIDE).
4. US\$: AMOUNT OF DRAWING IN FIGURES.
5. USDOLLARS: AMOUNT OF DRAWING IN WORDS.
6. LETTER OF CREDIT NUMBER: BANK'S STANDBY L/C NUMBER THAT PERTAINS TO THE DRAWING.
7. DATED: ISSUANCE DATE OF THE STANDBY L/C.
8. BENEFICIARY'S NAME: NAME OF BENEFICIARY AS INDICATED IN THE L/C.
9. AUTHORIZED SIGNATURE: SIGNED BY AN AUTHORIZED SIGNER OF BENEFICIARY.

IF YOU HAVE QUESTIONS RELATED TO THIS STANDBY LETTER OF CREDIT PLEASE CONTACT US AT \_\_\_\_\_ .

IRREVOCABLE STANDBY LETTER OF CREDIT NUMBER \_\_\_\_\_

**EXHIBIT B  
TRANSFER FORM**

DATE: \_\_\_\_\_

TO: BANK RE: IRREVOCABLE STANDBY LETTER OF CREDIT  
[ADDRESS]

NO. \_\_\_\_\_ ISSUED BY  
ATTN: INTERNATIONAL DIVISION.  
STANDBY LETTERS OF CREDIT

L/C AMOUNT: \_\_\_\_\_

GENTLEMEN:

FOR VALUE RECEIVED, THE UNDERSIGNED BENEFICIARY HEREBY IRREVOCABLY TRANSFERS TO:

\_\_\_\_\_  
(NAME OF TRANSFEREE)

\_\_\_\_\_  
(ADDRESS)

ALL RIGHTS OF THE UNDERSIGNED BENEFICIARY TO DRAW UNDER THE ABOVE LETTER OF CREDIT UP TO ITS AVAILABLE AMOUNT AS SHOWN ABOVE AS OF THE DATE OF THIS TRANSFER.

BY THIS TRANSFER, ALL RIGHTS OF THE UNDERSIGNED BENEFICIARY IN SUCH LETTER OF CREDIT ARE TRANSFERRED TO THE TRANSFEREE. TRANSFEREE SHALL HAVE THE SOLE RIGHTS AS BENEFICIARY THEREOF, INCLUDING SOLE RIGHTS RELATING TO ANY AMENDMENTS, WHETHER INCREASES OR EXTENSIONS OR OTHER AMENDMENTS, AND WHETHER NOW EXISTING OR HEREAFTER MADE. ALL AMENDMENTS ARE TO BE ADVISED DIRECTLY TO THE TRANSFEREE WITHOUT NECESSITY OF ANY CONSENT OF OR NOTICE TO THE UNDERSIGNED BENEFICIARY.

THE ORIGINAL OF SUCH LETTER OF CREDIT IS RETURNED HERewith, AND WE ASK YOU TO ENDORSE THE TRANSFER ON THE REVERSE THEREOF, AND FORWARD IT DIRECTLY TO THE TRANSFEREE WITH YOUR CUSTOMARY NOTICE OF TRANSFER.

SINCERELY,

SIGNATURE AUTHENTICATED

\_\_\_\_\_  
(BENEFICIARY'S NAME)

\_\_\_\_\_  
(SIGNATURE OF BENEFICIARY)

\_\_\_\_\_  
(NAME AND TITLE)

The name(s), title(s), and signature(s) conform to that/those on file with us for the company and the signature(s) is/are authorized to execute this instrument.

\_\_\_\_\_  
(Name of Bank)

\_\_\_\_\_  
(Address of Bank)

\_\_\_\_\_  
(City, State, ZIP Code)

\_\_\_\_\_  
(Authorized Name and Title)

\_\_\_\_\_  
(Authorized Signature)

\_\_\_\_\_  
(Telephone number)

EXHIBIT 9

LANDLORD'S SERVICES

1. Landlord shall provide cleaning of the Premises and the Common Areas in a manner substantially comparable to other comparable buildings in the East Cambridge/Kendall Square area.
2. Extermination of all public and tenanted areas of the Building as reasonably necessary.
3. Trash removal in accordance with Section 7.7 of the Lease. Such trash removal shall not include removal of excessive trash generated when an occupant moves in or out of the Building, when equipment is discarded, when files are purged, or construction related trash and debris. If Landlord's trash removal company or any applicable Legal Requirement requires that any substances in the Premises be disposed of separately from ordinary trash, Tenant shall make arrangements at Tenant's expense for such disposal directly with a qualified and licensed disposal company approved by Landlord at a lawful disposal site.
4. Snow and ice removal from the sidewalks and driveways appurtenant to the Building as reasonably necessary for the normal operation of the Building.
5. Staff the Building's front desk during certain hours as reasonably determined by Landlord.
6. Reasonable passenger and freight elevator service.
7. With respect to those Common Areas that consist of conference, fitness or kitchenette facilities, Landlord's sole obligation with respect to such Common Areas is to provide only the cleaning of such Common Areas, as identified above, and hot and cold water to those areas served by plumbing, and electricity and HVAC service in accordance with and subject to Article 7 of this Lease. Notwithstanding anything set forth herein to the contrary, Tenant agrees that Landlord is not providing any scheduling or other services related to the programming or use of such Common Areas.

EXHIBIT 10

TENANT'S INSURANCE

Tenant shall procure, pay for and keep in force throughout the Term (and for so long thereafter as Tenant remains in occupancy of the Premises, the following insurance:

(a) Commercial general liability insurance, on a primary and non-contributory basis, insuring Tenant on an occurrence basis against all claims and demands for bodily injury (including sickness, disease, and death) or damage to property (including products and completed operations and contractual liability coverage) which may be claimed to have occurred from and after the time any of the Tenant Parties shall first enter the Premises, of not less than One Million Dollars (\$1,000,000) per occurrence, Two Million Dollars (\$2,000,000) aggregate, and from time to time thereafter shall be not less than such higher amounts, if procurable, as may be reasonably required by Landlord. Tenant shall also carry umbrella liability coverage on a follow form basis in an amount of no less than Five Million Dollars (\$5,000,000). Such policy shall also include contractual liability coverage covering Tenant's liability assumed under this Lease, including Tenant's indemnification obligations. Such insurance policy(ies) shall name Landlord, Landlord's managing agent and persons claiming by, through or under them, if any, as additional insureds.

(b) A policy of fire, vandalism, malicious mischief, and extended coverage (so-called special cause of loss property insurance or its equivalent), on a primary and non-contributory basis, in an amount equal to one hundred percent (100%) of the replacement cost insuring (i) all items or components of Alterations (collectively, the "**Tenant-Insured Improvements**"), and (ii) Tenant's furniture, equipment, fixtures and property of every kind, nature and description related or arising out of Tenant's leasehold estate hereunder, which may be in or upon the Premises or the Building (collectively, "**Tenant's Property**"). Such insurance shall insure the interests of both Landlord and Tenant as their respective interests may appear from time to time.

(c) A policy of business interruption insurance throughout the Term sufficient to cover at least twelve (12) months of Rent due hereunder and Tenant's business losses during such 12- month period.

(d) Such additional insurance as may be necessary to comply with any Legal Requirements or as may be reasonably required by Landlord.

(e) During periods when any Alterations are being performed, Tenant shall maintain or cause to be maintained so-called special cause of loss property insurance or its equivalent and/or Builders Risk Insurance on 100% replacement cost coverage basis, including hard and soft costs coverages. Such insurance shall protect and insure Landlord, other Landlord Parties, Tenant and Tenant's contractors, as their interests may appear, against loss or damage by fire, water damage, vandalism and malicious mischief, and such other risks as are customarily covered by so-called special cause of loss property/ builders risk coverage or its equivalent, and shall otherwise include no less than the coverage terms required for property insurance described above.

The insurance required pursuant to this Exhibit 10 (collectively, "**Tenant's Insurance Policies**") shall be effected with insurers approved by Landlord, with a rating of not less than "**A-VII**" in the current Best's Insurance Reports, and authorized to do business in the Commonwealth of Massachusetts under valid and enforceable policies. Tenant's Insurance Policies shall each provide that it shall not be canceled or modified without at least thirty (30) days' prior written notice to each insured named therein. Tenant's Insurance Policies may include deductibles in an amount no greater than the greater of \$25,000. On or

before the date on which any of the Tenant Parties shall first enter the Premises and thereafter not less than fifteen (15) days prior to the expiration date of each expiring policy, Tenant shall deliver to Landlord binders of Tenant's Insurance Policies issued by the respective insurers setting forth in full the provisions thereof together with evidence satisfactory to Landlord of the payment of all premiums for such policies. In the event of any claim, and upon Landlord's request, Tenant shall deliver to Landlord complete copies of Tenant's Insurance Policies. Upon request of Landlord, Tenant shall deliver to any Mortgagee copies of the foregoing documents.

EXHIBIT 10, PAGE 2



EXHIBIT 11

RULES AND REGULATIONS

1. Tenants and their employees, shall not in any way obstruct the sidewalks, halls, stairways, or elevators of the Building, and shall use the same only as a means of passage to and from their respective offices. Tenants will not place or allow to be placed in the Building corridors or public stairways any waste paper, dust, refuse, or anything whatever. At no time shall tenants permit their employees to loiter in Common Areas or elsewhere in and about the Building or the Land.
2. No signs, advertisements or notices shall be inscribed, painted or affixed where they can be seen from the outside the leased premises without prior written consent of Building management. Management reserves the right to prohibit the posting of any sign which it finds reasonably objectionable and to remove any which has already been placed, at the tenant's expense.
3. All contractors, contractor's representatives, and installation technicians performing work in the Building shall be subject to Landlord's prior approval which shall not be unreasonably withheld or delayed and shall be required to comply with Landlord's standard rules, regulations, policies and procedures, as the same may be revised from time to time. Tenants shall be solely responsible for complying with all applicable laws, codes and ordinances pursuant to which said work shall be performed.
4. All electric and telephone wiring shall be installed as directed by Landlord. No boring or cutting for wires shall be executed and no new pipes or wires shall be introduced without the prior written consent of Landlord.
5. Tenants shall not install or use any machinery in the demised premises which may cause any noise, jar, or tremor to the floors or walls, or which by its weight might damage the floors of the Building.
6. The roof terrace may only be used during normal business hours. No music, entertainment or loud noise shall be permitted on the roof terrace without Landlord's approval. Tenant may not place any furniture or landscaping on the roof terrace. Tenant shall not cause any projectile to be thrown or dropped from the roof terrace. Landlord may prescribe additional rules and regulations with respect to the roof terrace in its sole discretion.
7. All furniture, safes, equipment and freight shall be moved into and out of the Building only at certain hours approved by and under the supervision of Landlord and according to these rules and regulations. All damage to the Building caused by installing or removing any safe, furniture; equipment or other property shall be repaired at the expense of the Tenant. Landlord will not be responsible for loss or damage to any furniture, equipment or freight from any cause.
8. Corridor doors, when not in use, shall be kept closed.
9. Tenant, Tenant's agents and employees shall not: play any musical instruments, other than radio and television; make or permit any improper noises in the Building; interfere with other lessees or those having business with them.
10. No animals, except service animals, shall be brought into or kept in, on or about the Premises.

11. The restroom fixtures shall be used only for the purpose for which they were constructed and no rubbish, ashes, or other substances of any kind shall be thrown into them. Tenant will bear the expense of any damage resulting from misuse.
12. Tenant shall not place any additional lock or locks on any exterior door in the Premises or Building or on any door in the Building core within the Premises, including doors providing access to the telephone and electric closets and the slop sink, without Landlord's prior written consent. A reasonable number of keys to the locks on the doors in the Premises shall be furnished by Landlord to Tenant at the cost of Tenant, and Tenant shall not have any duplicate keys made. All keys shall be returned to Landlord at the expiration or earlier termination of this Lease.
13. The directory board in the entrance lobby of the Building is provided for the exclusive display of the name and location of each tenant at the tenant's expense. Landlord reserves the right to allocate space in the directory and to design style of such identification.
14. Landlord reserves the right to exclude or expel from the Building any persons who, in the judgment of Landlord, is intoxicated under the influence of liquor or drugs, or shall do any act in violation of the rules and regulations of the Building.
15. Rooms used in common by tenants shall be subject to such regulations as are posted therein.
16. Landlord reserves the right to close and keep locked all entrance and exit doors of the Building during the hours Landlord may deem advisable for the adequate protection of the property. Use of the Building and the leased premises before 8 AM or after 6 PM, or any time during Sundays or legal holidays shall be allowed only to persons with a key/card key to the premises or guests accompanied by such persons. At these times, all occupants and their guests must sign in at the concierge when entering and exiting the building. Any persons found in the Building after hours without such keys/card keys are subject to the surveillance of building staff.
17. Landlord shall have the right to prohibit any advertising by any tenant which, in Landlord's commercially reasonable opinion, tends to impair the reputation of the Building or its desirability as a Building for offices, and upon written notice from Landlord, such tenant shall refrain from or discontinue such advertising.
18. No tenant will install blinds, shades, awnings, or other form of inside or outside window covering, or window ventilators or similar devices without the prior consent of Landlord. Tenant will not interfere with or obstruct any perimeter heating, air conditioning or ventilating units.
19. Tenants shall give Landlord prompt notice of any accidents to or defects in water pipes, gas pipes, electric lights and fixtures, heating apparatus, or any other service equipment of which Tenant becomes aware.
20. Tenants shall not perform improvements or alterations within the Building or their premises, if the work has the potential of disturbing the fireproofing which has been applied on the surfaces of structural steel members, without the prior written consent of Landlord.
21. Tenants shall not take any action which would violate Landlord's labor contracts affecting the Building or which would cause any work stoppage, picketing, labor disruption or dispute, or any interference with the business of Landlord or any other tenant or occupant of the Building or with the right and privileges of any person lawfully in the Building. Tenants shall take any actions necessary to resolve any such work stoppage, picketing, labor disruption, dispute or interference

- and shall have pickets removed and, at the request of Landlord, immediately terminate at any time any construction work being performed in the Premises giving rise to such labor problems, until such time as Landlord shall have given its written consent for such work to resume. Tenants shall have no claim for damages of any nature against Landlord in connection therewith, nor shall the date of the commencement of the Term be extended as a result thereof.
22. The work of cleaning personnel shall not be hindered by tenants after 5:30 PM, and such cleaning work may be done at any time when the offices are vacant. Windows, doors and fixtures may be cleaned at any time. Tenants shall provide adequate waste and rubbish receptacles necessary to prevent unreasonable hardship to Landlord regarding cleaning service.
  23. Tenants shall not install, operate or maintain in the Premises or in any other area of the Building, any electrical equipment which does not bear the U/L (Underwriters Laboratories) seal of approval, or which would overload the electrical system or any part thereof beyond its capacity for proper, efficient and safe operation as determined by Landlord, taking into consideration the overall electrical system and the present and future requirements therefore in the Building. Tenants shall not furnish any cooling or heating to the Premises, including the use of any electronic or gas heating devices, without Landlord's prior written consent. Tenants shall not use more than its proportionate share of telephone lines available to service the Building.
  24. Tenants shall not operate or permit to be operated on the Premises any coin or token operated vending machine or similar device (including telephones, lockers, toilets, scales, amusement devices and machines for sale of beverages food, candy, cigarettes or other goods), except for those vending machines or similar devices which are for the sole and exclusive use of tenant's employees, and then only if such operation does not violate the lease of any other lessee of the Building.
  25. Bicycles and other vehicles are not permitted inside or on the walkways outside the Building, except in those areas specifically designated by Landlord for such purposes. Landlord shall provide bicycle racks in the garage.
  26. Landlord may from time to time adopt appropriate systems and procedures for the security or safety of the Building, its occupants, entry and use, or its contents. Tenant, Tenant's agents, employees, contractors, guests and invitees shall comply with Landlord's reasonable requirements relative thereto.
  27. Tenants shall carry out Tenant's permitted repair, maintenance, alterations, and improvements in the Premises only during times agreed to in advance by Landlord and in a manner which will not interfere with the rights of other lessees in the Building.
  28. Canvassing, soliciting, and peddling in or about the Building is prohibited. Tenants shall cooperate and use best efforts to prevent the same.
  29. At no time shall Tenants permit or shall Tenant's agents, employees, contractors, guests, or invitees smoke in any Common Area of the Building, unless such Common Area has been declared a designated smoking area by Landlord.
  30. Tenant shall keep neat and clean, and not leave papers or other personal property, in any shared conference, kitchen or fitness facilities.

31. All deliveries to or from the Premises shall be made only at such times, in the areas and through the entrances and exits designated for such purposes by Landlord. Tenant shall not permit the process of receiving deliveries to or from the Premises outside of said areas or in a manner which may interfere with the use by any other lessee of its premises or of any Common Areas, any pedestrian use of such area, or any use which is inconsistent with good business practice.

EXHIBIT 12

TENANT'S SIGNAGE

Tenant shall have the right to building standard signage on the lobby directory on the first floor of the Building, directional signage on its floor (both at Landlord cost), and at the main entrance to the Premises (at Tenant's cost), all subject to Landlord's prior written approval, which approval shall not be unreasonably withheld, conditioned or delayed.

EXHIBIT 12, PAGE 1

EXHIBIT 13

FORM OF SNDA FOR MASTER LEASE

SUBORDINATION, NON-DISTURBANCE AND ATTORNMEN T AGREEMENT

THIS SUBORDINATION, NON-DISTURBANCE AND ATTORNMEN T AGREEMENT (this "**Agreement**") is made and entered into as of the \_\_\_\_ day of \_\_\_\_\_, 201\_\_\_\_ by and between \_\_\_\_\_, a \_\_\_\_\_ with an address of \_\_\_\_\_ ("**Subtenant**"), **MIT 139 MAIN STREET FEE OWNER LLC**, a Massachusetts limited liability company with an address c/o MIT Investment Management Company, One Broadway, Suite 09-200, Cambridge, MA 02142 ("**Master Lessor**") and **MIT 139 MAIN STREET LEASEHOLD LLC**, a Massachusetts limited liability company with an address c/o MIT Investment Management Company, One Broadway, Suite 09-200, Cambridge, MA 02142 ("**Master Tenant**").

WITNESSETH

REFERENCE is hereby made to that certain Master Lease Agreement dated September 29, 2017 by and between Master Lessor, as landlord, and Master Tenant, as tenant (the "**Master Lease**") with respect to the land and improvements thereon commonly known as 139 Main Street, Cambridge, Massachusetts (the "**Property**"). A notice of lease with respect to the Master Lease (the "**Notice of Master Lease**") was recorded with the Middlesex South Registry of Deeds in Book 70011, Page 34.

REFERENCE is also hereby made to that certain lease dated \_\_\_\_\_ by and between Master Tenant, as landlord, and Subtenant, as tenant (the "**Sublease**"), with respect to a portion of the Property consisting of approximately 2,357 rentable square feet on the third (3rd) floor (the "**Subleased Premises**") of the building located on the Property;

WHEREAS, Master Tenant and Subtenant have agreed to subordinate the Sublease to the Master Lease; and

WHEREAS, subject to the terms and conditions hereinafter set forth, Master Lessor has agreed (a) to recognize the rights of Subtenant under the Sublease, and (b) not to disturb Subtenant's use and enjoyment of the Subleased Premises.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. Incorporation of Recitals; Capitalized Terms. The foregoing recitals are hereby incorporated by reference. All capitalized terms not otherwise defined herein shall have the meanings ascribed to them as set forth in the Master Lease.
2. Subordination. The Sublease is and at all times shall be subject and subordinate to the Master Lease and all amendments and modifications thereof, with the same force and effect as if the Sublease had been executed and delivered subsequent to the execution and delivery of the Master Lease and the recording of the Notice of Master Lease.
3. Subtenant Not To Be Disturbed. So long as Subtenant is not in default (beyond any period given Subtenant by the terms of the Sublease to cure such default) in the payment of rent or additional rent or of any of the terms, covenants or conditions of the Sublease on Subtenant's part to be performed, (a) Subtenant's possession of the Subleased Premises, and its rights and privileges under the Sublease,

including but not limited to any extension or renewal rights, if any, shall not be diminished or interfered with by Master Lessor, and (b) Master Lessor will not join Subtenant as a party defendant in any action or proceeding terminating Master Tenant's possession of the Property unless such joinder is necessary to terminate such possession and then only for such purpose and not for the purpose of terminating the Sublease (and Master Tenant will hold Subtenant harmless from any costs including legal fees associated with such joinder).

4. Tenant to Attorn to Master Lessor. If the Master Lease is terminated pursuant to the terms thereof, or if Master Tenant rejects the Sublease in the course of a bankruptcy proceeding, or if Master Lessor shall succeed to the interest of Master Tenant in and to the Sublease in any other manner, then (a) the Sublease shall continue in full force and effect as a direct lease between Master Lessor and Subtenant (subject to Section 8 below); provided, however, that Master Lessor and its assigns shall not be (i) liable for any misrepresentation, act or omission of Master Tenant, provided, however, that the foregoing shall not release Master Lessor from liability for any default of its obligations under the Sublease continuing after the date on which Master Lessor succeeds to Master Tenant's interest thereunder, including without limitation any maintenance obligations, (ii) subject to any counterclaim, demand or offset which Subtenant may have against Master Tenant; (iii) liable for the return of any security deposit or letter of credit not actually received by Master Lessor and with respect to which Subtenant agrees to look solely to Master Tenant for refund or reimbursement; (iv) unless delivered by Master Tenant to Master Lessor, bound by any advance payment of rent or additional rent or any other sums made by Subtenant to Master Tenant, except for rent or additional rent applicable to the then-current month; (v) obligated to cure any defaults under the Sublease of Master Tenant which occurred prior to the termination of the Master Lease, provided, however, that the foregoing shall not release Master Lessor from liability for any default of its obligations under the Sublease continuing after the date on which Master Lessor succeeds to Master Tenant's interest thereunder, including without limitation any maintenance obligations; or (vi) bound by any covenant to undertake, complete or pay for any improvements to the Subleased Premises; and (b) Subtenant shall attorn to Master Lessor as its landlord, said attornment to be effective and self-operative without the execution of any further instruments. Master Lessor and Subtenant each hereby agrees to execute an instrument in form and substance reasonably acceptable to both parties acknowledging the continuation of the Sublease for the Subleased Premises as a direct lease for the Subleased Premises on the terms and conditions set forth in this Agreement. In addition, Subtenant shall execute and deliver, upon the request of Master Lessor, an instrument or certificate regarding the status of the Sublease consisting of statements, if true (and if not true, specifying in what respect), in the case of the Sublease by Subtenant (A) that the Sublease is in full force and effect, (B) the amounts and date through which rentals have been paid, (C) the commencement date, rent commencement date and duration of the term of the Sublease, (D) that no default, or state of facts, which with the passage of time, or notice, or both, would constitute a default, exists on the part of either party to the Sublease, and (E) the dates on which payments of additional rent, if any, are due under the Sublease.

5. Sublease Amendments. Master Lessor shall not be bound by any amendment to the Sublease made after the date of this Agreement unless Master Lessor shall have consented thereto in writing. Such consent of Master Lessor may be withheld by Master Lessor in its sole and absolute discretion if such amendment (a) reduces the rent payable under the Sublease, (b) provides for any expansion rights, (c) extends the term of the Sublease in addition to Subtenant's current right(s) to extend the term under the Sublease, if any. Any such amendment made after the date of this Agreement without Master Lessor's consent shall not be binding on Master Lessor.

6. Master Lessor's Right to Notice and Cure. Subtenant covenants and agrees to: (a) concurrently give Master Lessor the same default and/or termination notices given to Master Tenant under the Sublease at the following addresses until otherwise specified in writing by Master Lessor: MIT 139 Main Street Fee Owner LLC, c/o MIT Investment Management Company, One Broadway, Suite 09-200, Cambridge, MA 02142, Attention: Managing Director of Real Estate, with copies to MIT Investment Management Company, One Broadway, Suite 09-200, Cambridge, MA 02142, Attention: Director of Real Estate Legal Services, and Jones Lang LaSalle Americas, Inc., One Broadway, 6th Floor, Cambridge, MA 02142, Attention: Group Manager; (b) provide Master Lessor with at least ten (10) days plus the number of days (and the same opportunities and rights) as are available to Master Tenant under the Sublease to cure any of Master Tenant's defaults thereunder; and (c) accept Master Lessor's curing of any of Master Tenant's defaults under the Sublease as performance by Master Tenant thereunder.

7. Amendments. This Agreement may not be waived, changed, or discharged orally, but only by agreement in writing and signed by Master Lessor, Master Tenant and Subtenant, and any oral waiver, change, or discharge of this Agreement or any provisions hereof shall be without authority and shall be of no force and effect.

8. Revisions to Sublease. Notwithstanding anything contained in this Agreement or the Sublease to the contrary, in the event that the Master Lease is terminated pursuant to the terms thereof, or if Master Tenant rejects the Sublease in the course of a bankruptcy proceeding, (a) as of the date of such termination or rejection, Master Lessor and Master Lessor's successors and assigns shall have no liability to Subtenant with respect to any representations and warranties on the part of "Landlord" contained in the Sublease (provided that the foregoing shall in no event relieve Master Tenant of any liability to Subtenant with respect to such representations and warranties), and (b) Master Lessor shall have no liability or obligations pursuant to the brokerage provision of the Sublease.

9. Security Deposit. If the Master Lease is terminated pursuant to the terms thereof, or if Master Tenant rejects the Sublease in the course of a bankruptcy proceeding, then Master Tenant shall deliver to Master Lessor the cash security deposit and/or the original letter of credit (including any amendments thereto) and an executed transfer form in the form required by the issuer of such letter of credit, if any has been delivered by Subtenant to Master Tenant pursuant to the Sublease. In the event that Master Tenant fails to deliver the same, Master Lessor may use commercially reasonable efforts in order to (a) cause Master Tenant to deliver to Master Lessor any cash security deposit, and (b) cause the original letter of credit issued to Master Tenant to be (i) assigned to Master Lessor or (ii) terminated or canceled. Subtenant shall reasonably cooperate with Master Lessor in connection with such efforts, including the payment of any commercially reasonable fees required by the issuer of such letter of credit and the execution of such reasonable documents as Master Lessor or the issuer of such letter of credit may deem necessary. Master Tenant hereby consents to Subtenant's undertaking the actions described in the immediately preceding sentence and waives any claim Master Tenant may have against Subtenant arising from Subtenant's compliance with the requirements of this Section 9. If such letter of credit is so terminated or canceled, Subtenant shall deliver to Master Lessor a new original letter of credit naming Master Lessor as beneficiary and otherwise meeting the requirements set forth in the Sublease.

10. Relation between Master Lessor and Master Tenant. Notwithstanding anything to the contrary contained herein, if, *at the time* that Master Lessor succeeds to the interest of Master Tenant as landlord under the Sublease, Master Tenant controls, is controlled by or is under common control with Master Lessor, then, in such event, Master Lessor agrees that no term, covenant or condition of this Agreement shall be interpreted or enforced by Master Lessor in any manner that would have the effect of amending



or modifying the Sublease, releasing Master Lessor from any obligation under the Sublease or otherwise reducing the obligations of the landlord thereunder or increasing the obligations of Tenant thereunder (for example, Section 8(a) above and the second sentence of Section 9 shall not be enforced by Master Lessor in such situation).

11. Miscellaneous. This Agreement shall be deemed to have been executed and delivered within the Commonwealth of Massachusetts, and the rights and obligations of the parties hereunder shall be construed and enforced in accordance with, and governed by, the laws of the Commonwealth of Massachusetts without regard to the laws governing conflicts of laws. This Agreement will be executed by each party in recordable form and shall at no expense to Subtenant be recorded by Master Tenant in all places necessary to provide legal notice of this Agreement, Subtenant hereby agreeing to reasonably cooperate with Master Tenant in connection therewith, including without limitation providing such evidence of authority as is required or customary in connection with such recording. If any term of this Agreement or the application thereof to any person or circumstances shall be invalid and unenforceable, the remaining provisions of this Agreement, the application or such term to persons or circumstances other than those as to which it is invalid or unenforceable, shall not be affected. This Agreement is binding upon and shall inure to the benefit of Master Lessor, Master Tenant and Subtenant, and their respective successors and assigns. Each party has cooperated in the drafting and preparation of this Agreement and, therefore, in any construction to be made of this Agreement, the same shall not be construed against either party. In the event of litigation relating to this Agreement, the prevailing party shall be entitled to reimbursement from the other party of its reasonable attorneys' fees and costs. This Agreement constitutes the entire agreement of the parties with respect to the subject matter hereof and supersedes all prior and contemporaneous oral and written agreements and discussions, and may not be amended, waived, discharged or terminated except by a written instrument signed by all the parties hereto. This Agreement may be executed in two or more counterparts which, when taken together, shall constitute one and the same original.

[Signatures on following page]

EXHIBIT 13, PAGE 4

IN WITNESS WHEREOF, the parties hereto have each caused this Agreement to be executed as an instrument under seal as of the date first above written.

**MASTER LESSOR:**

**MIT 139 MAIN STREET FEE OWNER LLC,  
a Massachusetts limited liability company**

By: MIT Cambridge Real Estate LLC, its manager

By: \_\_\_\_\_  
Name:  
Title:

**MASTER TENANT:**

**MIT 139 MAIN STREET LEASEHOLD LLC,  
a Massachusetts limited liability company**

By: MIT Cambridge Real Estate LLC, its manager

By: \_\_\_\_\_  
Name:  
Title:

**SUBTENANT:**

\_\_\_\_\_  
By: \_\_\_\_\_  
Name:  
Title:

COMMONWEALTH OF MASSACHUSETTS

Middlesex, ss.

\_\_\_\_\_, 20\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 201\_\_ before me, the undersigned notary public, personally appeared \_\_\_\_\_, proved to me through satisfactory evidence of identification, which was personal knowledge of the identity of the signatory, to be the person whose name is signed on the preceding or attached document and acknowledged to me that he/she signed it voluntarily for its stated purpose as \_\_\_\_\_ for MIT Cambridge Real Estate LLC, as manager of MIT 139 Main Street Fee Owner LLC, a limited liability company.

\_\_\_\_\_  
Notary Public:  
My Commission Expires:

COMMONWEALTH OF MASSACHUSETTS

\_\_\_\_\_, ss.

\_\_\_\_\_, 20\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 201\_\_ before me, the undersigned notary public, personally appeared \_\_\_\_\_, proved to me through satisfactory evidence of identification, which was personal knowledge of the identity of the signatory, to be the person whose name is signed on the preceding or attached document and acknowledged to me that he/she signed it voluntarily for its stated purpose as \_\_\_\_\_ for MIT Cambridge Real Estate LLC, as manager of MIT 139 Main Street Leasehold LLC, a limited liability company.

\_\_\_\_\_  
Notary Public:  
My Commission Expires:

\_\_\_\_\_, ss.

\_\_\_\_\_, 20\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 201\_\_\_\_ before me, the undersigned notary public, personally appeared \_\_\_\_\_, proved to me through satisfactory evidence of identification, which was personal knowledge of the identity of the signatory, to be the person whose name is signed on the preceding or attached document and acknowledged to me that he/she signed it voluntarily for its stated purpose as \_\_\_\_\_, for \_\_\_\_\_, a \_\_\_\_\_ corporation.

\_\_\_\_\_  
Notary Public:  
My Commission Expires:

MIT 139 MAIN STREET LEASEHOLD LLC  
MEMORIALIZATION OF DATES AGREEMENT

May 16, 2019

**BY FEDEX**

Black Diamond Therapeutics, Inc.  
139 Main Street, 3rd Floor  
Cambridge, Massachusetts 02142

Re: Lease dated March 27, 2019 (the "Lease") by and between MIT 139 Main Street Leasehold LLC ("Landlord"), and Black Diamond Therapeutics, Inc. ("Tenant") with respect to 2,357 rentable square feet on the third (3rd) floor of the Building located at 139 Main Street, Cambridge, Massachusetts

Dear Tenant:

In accordance with the terms and conditions of the Lease, Tenant accepts possession of the Premises and acknowledges:

1. The Commencement Date is May 1, 2019.
2. The Expiration Date is April 30, 2022.

This letter is binding upon and shall inure to the benefit of Landlord and Tenant and their respective successors and assigns.

Please acknowledge the foregoing and your acceptance of possession by signing a copy of this letter in the space provided and returning it to Jones Lang LaSalle, One Broadway, 6th floor, Cambridge, MA 02142. Tenant's failure to execute and return this letter, or to provide written objection to the statements contained in this letter, within ten (10) business days after the date of this letter, shall be deemed an approval by Tenant of the statements contained herein.

Sincerely,

MIT 139 MAIN STREET LEASEHOLD LLC, a Massachusetts limited liability company  
By: MIT CAMBRIDGE REAL ESTATE LLC, its manager

By: /s/ Seth D. Alexander  
Name: Seth D. Alexander  
Title: President and not individually

Acknowledged and Accepted:

BLACK DIAMOND THERAPEUTICS, INC.

By: /s/ David Epstein  
Name: David Epstein  
Title: CEO  
DATE: May 18, 2019

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cc: By FedEx  
Saul Ewing Arnstein & Lehr LLP  
Central Square West  
1500 Market Street, 38<sup>th</sup> Floor  
Philadelphia, PA 19102-2186  
Attention: Kathryn Doyle

By Email  
[depstein@bdtherapeutics.com](mailto:depstein@bdtherapeutics.com)

CERTAIN CONFIDENTIAL PORTIONS OF THIS EXHIBIT HAVE BEEN OMITTED AND REPLACED WITH “[\*\*\*]”. SUCH IDENTIFIED INFORMATION HAS BEEN EXCLUDED FROM THIS EXHIBIT BECAUSE IT IS (I) NOT MATERIAL AND (II) WOULD LIKELY CAUSE COMPETITIVE HARM TO THE COMPANY IF DISCLOSED.

## SERVICES AGREEMENT

**THIS SERVICES AGREEMENT** (this “*Agreement*”), effective as of 15<sup>th</sup> March, 2017 (the “*Effective Date*”), is by and between **RIDGELINE THERAPEUTICS GMBH**, a Basel Switzerland corporation (“*Ridgeline*”), and **ASET THERAPEUTICS, INC.**, a Delaware corporation (the “*Company*”).

**WHEREAS**, Ridgeline is engaged in the business of facilitating the start-up, funding and ongoing operation of new biotechnology companies and provides management, scientific, business development, clinical development and other operational services to start-up companies on a contract basis; and

**WHEREAS**, the Company is a drug discovery and development company and desires to engage Ridgeline to provide the Company various services and make available to the Company certain resources of Ridgeline on the terms set forth herein.

**NOW, THEREFORE**, in consideration of the above premises and for other good and valid consideration, the receipt and adequacy of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

### ARTICLE 1

#### DEFINED TERMS

**1.1 “Company Confidential Information”** shall mean (a) all Company Work Product and (b) any and all other data, information, technology, samples and specimens relating to the Company or any other person or entity with which Company has a commercial relationship (other than Ridgeline) or their respective products, product concepts, technologies, businesses, financial, marketing, clinical or regulatory affairs, manufacturing processes and procedures, or those of any other third party, whether written, graphic or oral, and whether or not furnished to or obtained by Ridgeline, either directly or indirectly, during the course of performing Services hereunder; but excluding, in any event, Ridgeline Work Product.

**1.2 “Company Work Product”** shall mean any and all results (including data) and products (interim and/or final) of the Services performed by Ridgeline, whether tangible or intangible, including, without limitation, each and every business, financial or other plan, computation, compilation of information, invention (whether or not patentable), discovery, design, drawing, protocol, process, technique, formula, trade secret, device, compound, substance, material, pharmaceutical, method, software program (including without limitation, object code, source code, flow charts, algorithms and related documentation), listing, routine, manual and specification, whether or not patentable or copyrightable, that are made, developed, perfected, designed, conceived or first reduced to practice by Ridgeline, either solely or jointly with others, in the course of the Services.

**1.3 “Ridgeline Confidential Information”** shall mean all data, information, technology, samples and specimens relating to Ridgeline or any other person or entity with which Ridgeline has a commercial relationship (other than the Company) or their respective products, technologies, businesses, financial, marketing, clinical or regulatory affairs, manufacturing

processes and procedures, or those of any other third party, from whom Ridgeline receives information on a confidential basis, whether written, graphic or oral, furnished to or obtained by the Company, either directly or indirectly, other than during the course of providing Services hereunder, including, without limitation, Ridgeline Work Product, but excluding Company Work Product.

**1.4 “Confidential Information”** shall mean the Ridgeline Confidential Information or the Company’s Confidential Information, as applicable.

**1.5 “Ridgeline Key Team”** shall mean those individuals set forth on Exhibit A and such other individuals as may be agreed to between Ridgeline and the Company from time to time.

**1.6 “Ridgeline Work Product”** shall mean any and all results (including data) and products (interim and/or final) of any activities or services performed by Ridgeline on behalf of itself or any third party, other than in the course of performing the Services, whether tangible or intangible, including, without limitation, each and every invention (whether or not patentable), discovery, design, drawing, protocol, process, technique, formula, trade secret, device, compound, substance, material, pharmaceutical, method, software program (including without limitation, object code, source code, flow charts, algorithms and related documentation), listing, routine, manual and specification, whether or not patentable or copyrightable, that are made, developed, perfected, designed, conceived or first reduced to practice by Ridgeline, either solely or jointly with others, whether before, during or after the Term.

**1.7 “Term”** shall have the meaning provided in Section 2.6.

## ARTICLE 2

### SERVICES

**2.1 Services.** Subject to the terms of this Agreement, for the Term determined pursuant to Section 2.6(a) hereof, Ridgeline shall provide or cause to be provided to the Company such services, in the nature of those described on Exhibit A, as may reasonably be requested by the Company and reasonably approved by Ridgeline from time to time following the date hereof (the “*Services*”).

**2.2 Charges and Payment.** As compensation for its Services hereunder, the Company shall pay Ridgeline in accordance with the provisions of Exhibit A attached hereto. In addition, the Company shall reimburse Ridgeline for its actual expenses (including travel expenses) as reasonably incurred by Ridgeline or its employees and/or consultants in the course of performing Services. Ridgeline shall invoice the Company on a quarterly basis for all charges pursuant to this Agreement in accordance with the provisions of Exhibit A attached hereto.

### **2.3 General Obligations; Standard of Care.**

**(a) Performance Requirements.** Ridgeline shall use commercially reasonable efforts to provide Services subject to the terms of this Agreement and in accordance with its policies, procedures and practices then in effect, and shall exercise substantially the same care and skill as it exercises in performing similar services for itself.



**(b) Changes.** The parties acknowledge that Ridgeline may make changes from time to time in the manner of performing the Services (e.g., if Ridgeline is making substantially similar changes in performing similar services for itself or its affiliates). To the extent they materially affect the Services, such changes shall be made in consultation with the Company.

**(c) Compliance.** Ridgeline agrees to perform the Services in accordance with the terms and conditions contained in this Agreement and in compliance with all applicable federal, state and local laws and regulations.

**(d) Communication.** On a regular basis during the Term, the parties shall conduct meetings, either in person or by telephone or video conference, to discuss the progress and results of the Services.

## **2.4 Confidentiality.**

**(a) Confidentiality.** Except to the extent expressly authorized by this Agreement or otherwise agreed in writing by the parties, the parties agree that, during the Term of this Agreement and for [\*\*\*] years thereafter, the receiving party shall keep confidential and shall not publish or otherwise disclose and shall not use for any purpose other than as expressly provided for in this Agreement any Confidential Information of the other party. Each party may use the other party's Confidential Information only to the extent required to accomplish the purposes of this Agreement, consistent with any restrictions on the use of Confidential Information received by a third party and communicated by the party disclosing such Confidential Information. To the extent that any such restrictions on the use of Confidential Information received by a third party exceed the restrictions on the use of Confidential Information set forth in this Agreement, the parties each hereby agree to be bound by such restrictions. The parties agree and acknowledge that certain Confidential Information may be required for submission to the U.S. Food and Drug Administration and/or federal or state regulatory bodies. The parties acknowledge and agree that such submissions, to the extent required by applicable law, shall not constitute a violation of the terms of this Agreement if permitted under any applicable agreement with a third party for whom the disclosing party obtained the Confidential Information. Each party will use at least the same standard of care as it uses to protect proprietary or confidential information of its own (but in no event less than reasonable care) to ensure that its employees, agents, consultants and other representatives do not disclose or make any unauthorized use of such Confidential Information. Each party will promptly notify the other upon discovery of any unauthorized use or disclosure of such Confidential Information.

**(b) Limitations.** Confidential Information shall not include any information that the receiving party can prove by competent evidence: (i) was already known to the receiving party without any obligations of confidentiality prior to receipt from the other party; (ii) was generally available to the public or otherwise part of the public domain at the time of its disclosure to the receiving party; (iii) became generally available to the public or otherwise part of the public domain after its disclosure, other than through any act or omission of the receiving party in breach of any obligation of confidentiality; (iv) was disclosed to the receiving party, other than under an obligation of confidentiality, by a third party who had no obligation not to disclose such information to others; or (v) was independently discovered or developed by the receiving party without the use of Confidential Information; *provided, however*; that any combination of features

or disclosures shall not be deemed to fall within the foregoing exclusions solely because certain individual features are published or available to the general public or in the rightful possession of a party unless the combination as a whole falls within any of the above exceptions.

(c) **Authorized Disclosure.** Notwithstanding Section 2.4(a), a party may disclose Confidential Information of the other party, without violating the obligations of this Agreement, to the extent the disclosure is required by a valid order of a court or other governmental body having jurisdiction, provided that such party gives reasonable prior written notice to the other party of such required disclosure and makes a reasonable effort to obtain, or to assist the other party in obtaining, a protective order preventing or limiting the disclosure and/or requiring that the Confidential Information so disclosed be used only for the purposes for which the law or regulation requires, or for which the order was issued.

(d) **Use of Name/Publicity.** Neither party shall use the other party's name in connection with any publication or promotion without the other party's consent, except as required by federal, state or local laws, rules and regulations. Neither party shall disclose the specific content or terms of this Agreement without the prior written consent of the other party.

## 2.5 Intellectual Property Rights

(a) **Ownership.** The Company shall own all right, title and interest in and to all Company Work Product, including, without limitation, all patent, copyright or other intellectual property rights therein, that is conceived or first reduced to practice by Ridgeline, either solely or jointly with others, in the course of performing the Services (collectively, the "**Company Intellectual Property**"), and neither this Agreement, nor the provision of the Services hereunder, shall give Ridgeline any right, title or interest in or to any Company Intellectual Property. The Company shall be responsible for all costs and expenses associated with such Company Work Product. The Company hereby grants to Ridgeline a non-exclusive, worldwide, fully-paid, royalty-free license, without the right to sublicense, to use the Company's logos and trademarks solely as necessary or appropriate to perform Services under this Agreement during the Term. Ridgeline shall retain all right, title and interest in and to any and all Ridgeline Work Product, including, without limitation, all patent, copyright or other intellectual property rights therein (collectively, the "**Ridgeline Intellectual Property**"), and neither this Agreement, nor the provision of the Services hereunder, shall give the Company any right, title or interest in or to any Ridgeline Intellectual Property.

(b) **Assignment; Assistance.** Ridgeline hereby assigns all of Ridgeline's right, title and interest in and to any Company Intellectual Property to the Company without royalty or any other consideration and agrees to execute all applications, assignments or other instruments reasonably requested by the Company in order for the Company to establish its ownership of such Company Intellectual Property and to obtain whatever protection for such Company Intellectual Property, including copyright and patent rights in any and all countries designated by the Company on such Company Intellectual Property as the Company shall determine. Ridgeline agrees to assist the Company, or its designee, in every reasonable way (but at the Company's expense) to secure the Company's rights in Company Intellectual Property and any copyrights, patents or other intellectual property rights relating to all Company Intellectual Property in any and all countries designated by the Company, including the disclosure to the Company of all pertinent information

and data with respect to all Company Intellectual Property, the execution of all applications, specifications, oaths, assignments and all other instruments that the Company may deem necessary in order to apply for and obtain such rights and in order to assign and convey to the Company, its successors, assigns and nominees the sole and exclusive right, title and interest in and to all Company Intellectual Property. Ridgeline also agrees that its obligation to execute or cause to be executed any such instrument or papers shall continue after the expiration or termination of this Agreement. Ridgeline agrees that, if the Company is unable because of Ridgeline's unavailability, dissolution, or otherwise, to secure Ridgeline's signature for the purpose of applying for or pursuing any application for any United States or foreign patents or copyright registrations covering the Company Intellectual Property assigned to the Company herein, then, until such time Ridgeline becomes available it hereby designates and appoints the Company and its duly authorized officers and agents as Ridgeline's agent and attorney-in-fact, to act for and on Ridgeline's behalf to execute and file any such applications and to do all other lawfully permitted acts only to further the prosecution and issuance of patents and copyright registrations with the same legal force and effect as if executed by Ridgeline.

## **2.6 Term; Termination.**

**(a) Term.** The term of this Agreement (the "**Term**") shall commence on the Effective Date and shall remain in effect until terminated in accordance with this Section 2.6.

**(b) Election to Terminate.** The Company may terminate this Agreement either with respect to all, or with respect to any one or more, of the Services provided hereunder (including, without limitation, terminating the provision of Services by any member or members of the Ridgeline Key Team) at any time and from time to time, for any reason or no reason, by giving written notice to Ridgeline at least [\*\*\*] prior to the date of such termination. Ridgeline may terminate this Agreement either with respect to all, or with respect to any one or more, of the Services provided hereunder at any time and from time to time, for any reason or no reason, by giving written notice to the Company at least [\*\*\*] prior to the date of such termination. In addition, the parties may at any time agree in writing to terminate this Agreement with respect to some or all of the Services, effective immediately or as indicated in such writing. In the event of any termination with respect to one or more, but less than all, Services, this Agreement shall continue in full force and effect with respect to any Services not terminated hereby.

**(c) Payment Upon Early Termination.** In the event of termination of this Agreement or any Services hereunder, Ridgeline shall be paid for all work completed through the date of termination in accordance with this Agreement, including reasonable and documented out-of-pocket expenses and any non-cancelable commitments reasonably incurred by Ridgeline in accordance with this Agreement. Ridgeline shall refund to the Company any prepaid amounts not earned by Ridgeline prior to the date of such termination, including as set forth in Section 2.2 hereof.

**(d) Survival Upon Termination.** Expiration or termination of this Agreement will not relieve either party of any obligation accruing prior to such expiration or termination. Article 1, Sections 2.2, 2.4, 2.5, 2.6(c), 2.6(d), 3.3, 3.4, and Articles 4 and 5 will survive expiration or termination of this Agreement.

## ARTICLE 3

### REPRESENTATIONS AND WARRANTIES; DISCLAIMER; LIMITATION OF LIABILITY

**3.1 Mutual Representations and Warranties.** Each party represents and warrants to the other that: (a) it has full power and authority to enter into this Agreement and to perform its obligations hereunder; (b) this Agreement is legally binding upon it, enforceable against it in accordance with its terms, and does not conflict with any charter or constituting document, or any agreement, instrument or understanding, oral or written, to which it is a party or by which it may be bound, nor violate any material law or regulation of any court, governmental body or administrative or other agency having jurisdiction over it; and (c) such party is not under any pre-existing obligation inconsistent with the provisions of this Agreement.

**3.2 Ridgeline Representations and Warranties.** Ridgeline hereby represents and warrants to the Company that the Services shall be performed by qualified personnel in a good, timely, efficient and professional manner.

**3.3 Disclaimer of Warranties.** EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, EACH PARTY DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, AND EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, RIDGELINE MAKES NO REPRESENTATIONS OR WARRANTIES AS TO THE QUALITY, SUITABILITY OR ADEQUACY OF THE SERVICES FOR ANY PURPOSE OR USE.

**3.4 Limitation of Liability.** NEITHER PARTY SHALL BE ENTITLED TO RECOVER FROM THE OTHER PARTY ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES IN CONNECTION WITH THIS AGREEMENT; *provided, however,* that this Section 3.4 shall not be construed to limit either party's indemnification obligations under Article 4.

## ARTICLE 4

### INDEMNIFICATION

**4.1 By the Company.** The Company hereby agrees to save, defend, indemnify and hold harmless Ridgeline, its affiliates and their respective officers, directors, employees, consultants and agents (each, a "**Ridgeline Party**") from and against any and all losses, damages, liabilities, expenses and costs, including reasonable legal expense and attorneys' fees ("**Losses**"), to which any Ridgeline Party may become subject as a result of any claim, demand, action or other proceeding by any third party to the extent such Losses arise directly or indirectly out of (a) the performance of the Services, (b) the development, manufacture, use, handling, storage, sale or other disposition of any product by the Company, or (c) the gross negligence or willful misconduct of any Company Party or the breach by the Company of any warranty, representation, covenant or agreement made by the Company in this Agreement, except, in each case, to the extent such Losses result from the gross negligence or willful misconduct of any Ridgeline Party or the breach by Ridgeline of any warranty, representation, covenant or agreement made by Ridgeline in this Agreement.

**4.2 By Ridgeline.** Ridgeline hereby agrees to save, defend, indemnify and hold harmless the Company, its affiliates and their respective officers, directors, employees, consultants and agents (each, a “*Company Party*”) from and against any and all Losses to which any Company Party may become subject as a result of any claim, demand, action or other proceeding by any third party to the extent such Losses arise directly or indirectly out of the gross negligence or willful misconduct of any Ridgeline Party or the breach by Ridgeline of any warranty, representation, covenant or agreement made by Ridgeline in this Agreement, except, in each case, to the extent such Losses result from the gross negligence or willful misconduct of any Company Party or the breach by the Company of any warranty, representation, covenant or agreement made by the Company in this Agreement.

**4.3 Control of Defense.** In the event a party seeks indemnification under Section 4.1 or Section 4.2, it shall inform the other party (the “*Indemnifying Party*”) of a claim as soon as reasonably practicable after it receives notice of the claim, shall permit the Indemnifying Party to assume direction and control of the defense of the claim (including the right to settle the claim solely for monetary consideration with no admission of fault), and shall cooperate as requested (at the expense of the Indemnifying Party) in the defense of the claim.

**4.4 Liability Insurance.** Each party agrees to maintain during the Term usual and customary liability and workers compensation insurance in amounts consistent with industry standards and to provide a certificate of insurance evidencing such coverage to the other party upon request.

## ARTICLE 5

### MISCELLANEOUS

**5.1 Taxes.** Ridgeline will pay any and all taxes levied on account of any payments made to it under this Agreement. If any taxes are required to be withheld by the Company from any payment to Ridgeline, the Company shall (a) deduct such taxes from the payment, (b) timely pay the taxes to the proper taxing authority, and (c) send proof of payment to Ridgeline and certify its receipt by the taxing authority within [\*\*\*] following such payment.

**5.2 Relationship of Parties.** Nothing in this Agreement shall be deemed or construed by the parties or any third party as creating the relationship of principal and agent, partnership or joint venture between the parties, it being understood and agreed that no provision contained herein, and no act of the parties, shall be deemed to create any relationship between the parties other than the relationship of independent contractor nor be deemed to vest any rights, interest or claims in any third parties.

**5.3 Integration.** This Agreement (including the Exhibits hereto) contains the complete, final and exclusive agreement of the parties relating to the subject matter hereof, and supersedes all prior and contemporaneous oral and written agreements or arrangements between the parties. To the extent this Agreement conflicts with any other agreements, written or oral, between the parties, this Agreement controls.



All notices shall be deemed made upon receipt by the addressee as evidenced by the applicable written receipt.

**5.12 Counterparts.** This Agreement may be executed in multiple counterparts, each of which shall be deemed an original and all of which together shall constitute one and the same instrument.

**5.13 Non-Waiver.** No failure or delay of one of the parties to insist upon strict performance of any of its rights or powers under this Agreement shall operate as a waiver thereof, nor shall any other single or partial exercise of such right or power preclude any other further exercise of any rights or remedies provided by law.

**5.14 Waiver of Corporate Opportunity.** In the event that either party to this Agreement or any director, officer, employee or representative of such party (the "**Primary Party**") acquires knowledge of a potential transaction or other matter (including, but not limited to, any compounds or other assets or the opportunity to acquire interests thereof) and that may be an opportunity of interest (a "**Corporate Opportunity**") for the other party to this Agreement (the "**Other Party**"), then the Other Party (i) renounces any expectancy that the Primary Party offer an opportunity to participate in such Corporate Opportunity to the Other Party and (ii) to the fullest extent permitted by law, waives any claim that such opportunity constituted a Corporate Opportunity that should have been presented by the Primary Party to the Other Party or any of its affiliates.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the parties have executed this Services Agreement as of the date first above written.

**RIDGELINE**

By: /s/ Alexander Mayweg

Name: Alexander Mayweg

Title: Managing Director

**ASET THERAPEUTICS, INC.**

By: /s/ David Epstein

Name: David M. Epstein

Title: President & CEO



## EXHIBIT A

### SERVICES

1. For purposes of this Agreement, the “*Ridgeline Key Team*” shall initially mean Alexander Mayweg, CSO of Ridgeline, [\*\*\*] and other scientific or laboratory expertise and work as required or required from time to time in consultation with the Company. Subject to the provisions of Section 2.1 hereof, Ridgeline shall use commercially reasonable efforts to provide, among others, the following Services as may be requested from time to time by the Company:

- A. **Set up services.** Ridgeline shall procure any necessary set up services such as capital equipment and infrastructure to perform Services for Company, including office equipment, IT systems and furniture.
- B. **Research and Development Services.** Ridgeline shall provide to the Company general research and development services pursuant to a research and development plan to be mutually agreed by the parties, including:
  - i. [\*\*\*]
  - ii. [\*\*\*] and
  - iii. [\*\*\*]
- C. **Management and Administrative Services.** Ridgeline shall provide management, strategic and administrative services, including:
  - i. [\*\*\*]
  - ii. [\*\*\*]
  - iii. [\*\*\*] and
  - iv. [\*\*\*] .
- D. **Other.** Ridgeline shall provide such other Services as mutually agreed between Ridgeline and the Company.

2. The Company shall pay Ridgeline per calendar quarter (or any partial quarter on a pro rata basis) for Services to be performed pursuant to this Agreement. Unless otherwise mutually agreed to by Ridgeline and the Company in writing prior to the commencement of Services in any calendar quarter, Ridgeline shall invoice the Company for the actual amounts

incurred set forth in the table below (current estimates), on or about the [\*\*\*] following each calendar quarter for the Services performed during the prior quarter, together with the amount of reimbursable costs and expenses incurred by Ridgeline on behalf of the Company pursuant to Section 2.2 hereof prior to such invoice. The Company agrees to pay all amounts due to Ridgeline arising under this Agreement within [\*\*\*] of receipt of any such invoice.

[\*\*\*]

[\*\*\*]

[\*\*\*]

3. In connection with the Services to be provided hereunder, the Company will issue to Ridgeline [\*\*\*], and the Company agrees to use commercially reasonable efforts to provide all necessary consents and to facilitate any such transfer of such shares.

4. The Company and Ridgeline acknowledge that the fees payable for Services have been set by reference to the costs expected to be incurred by Ridgeline in the provision of the Services to the Company, plus a 10% mark-up.

5. The Services fees and expense reimbursements shall be payable in U.S. dollars (unless mutually agreed by the parties) and shall be subject to all applicable government regulations and rulings.

6. The Company expressly acknowledges that Ridgeline is engaged in the business of facilitating the start-up, funding and ongoing operation of multiple biotechnology companies and providing management, scientific, business development, financial and other operational services to those companies and that neither Ridgeline nor any other company to which Ridgeline provides services shall have any exclusivity or similar obligation to the Company, including without limitation any corporate opportunity obligation or any obligation to disclose or make available to the Company any information, potential transaction or other matter of which any such Ridgeline Party becomes aware otherwise than solely in the course of performing Services under this Agreement on behalf of the Company.

**AMENDMENT NO. 1  
TO  
SERVICES AGREEMENT**

This AMENDMENT NO. 1 TO SERVICES AGREEMENT, dated as of November 27, 2017 (this “**Amendment**”), amends the Services Agreement, dated as of March 15, 2017 (the “**Original Agreement**”) by and between ASET Therapeutics, Inc. (the “**Company**”) and Ridgeline Therapeutics GmbH (“**Ridgeline**”). Capitalized terms used but not defined herein shall have the meanings assigned to them in the Original Agreement.

**RECITALS**

WHEREAS, the Company and Ridgeline desire to amend the Original Agreement to reflect the terms set forth herein.

NOW, THEREFORE, in consideration of the mutual premises and covenants hereinafter set forth, the parties hereto, intending to be legally bound, hereby agree as follows:

1. Amendment. Each of the Company and Ridgeline hereby consents and agrees to delete in its entirety and replace Section 3 of Exhibit A of the Original Agreement with the following:

“In connection with the Services to be provided hereunder, the Company will issue to [\*\*\*].”

2. Miscellaneous.

(a) Effect of Amendment. Except as expressly set forth herein, this Amendment shall not alter, modify, amend or in any way affect any of the terms, conditions, covenants, obligations or agreements contained in the Original Agreement, all of which shall continue to be in full force and effect. Whenever the Original Agreement is referred to in the Original Agreement or in any other agreements, documents or instruments, such reference shall be to the Original Agreement as amended hereby.

(b) Counterparts; Facsimile Signatures. This Amendment may be executed in any number of counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and the same document. This Amendment may be executed by facsimile or .pdf signatures.

(c) **GOVERNING LAW. THIS AMENDMENT SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF DELAWARE, WITHOUT GIVING EFFECT TO PRINCIPLES OF CONFLICTS OF LAWS.**

[Signature Page Follows]

IN WITNESS WHEREOF, the parties have executed this Amendment as of the date first above written.

**COMPANY:**

**ASET THERAPEUTICS, INC.**

By: /s/ David Epstein

\_\_\_\_\_  
Name: David Epstein

Title: President & CEO

**RIDGELINE THERAPEUTICS GmbH**

By: /s/ Alexander Mayweg

\_\_\_\_\_  
Name: Alexander Mayweg

Title: CSO

**AMENDMENT NO. 2  
TO  
SERVICES AGREEMENT**

This AMENDMENT NO. 2 TO SERVICES AGREEMENT, dated as of December 11, 2018 (this “**Amendment**”), amends the Services Agreement, dated as of March 15, 2017 and amended by Amendment No. 1 to Services Agreement dated December 11, 2017 (the “**Original Agreement**”), by and between Black Diamond Therapeutics, Inc. (f/k/a ASET Therapeutics, Inc.) (the “**Company**”) and Ridgeline Therapeutics GmbH (“**Ridgeline**”). Capitalized terms used but not defined herein shall have the meanings assigned to them in the Original Agreement.

**RECITALS**

WHEREAS, the Company and Ridgeline desire to amend the Original Agreement to reflect the terms set forth herein.

NOW, THEREFORE, in consideration of the mutual premises and covenants hereinafter set forth, the parties hereto, intending to be legally bound, hereby agree as follows:

1. **Amendment.** Each of the Company and Ridgeline hereby consents and agrees to amend the Original Agreement as follows:

1.1 Delete in its entirety and replace Section 2 of Exhibit A of the Original Agreement with the following:

“2. The Company shall pay Ridgeline \$950,000 per calendar month for Services to be performed pursuant to this Agreement, on or before the [\*\*\*] of the month for which such Services are to be performed. Unless otherwise mutually agreed to by Ridgeline and the Company in writing prior to the commencement of Services in any calendar month. Ridgeline shall invoice the Company for the actual amounts incurred in respect of Services for a particular calendar month on or about the [\*\*\*] of the following calendar month, together with the amount of reimbursable costs and expenses incurred by Ridgeline on behalf of the Company pursuant to Section 2.2 hereof prior to such invoice.

To the extent that Service fees, reimbursable costs and expenses incurred by Ridgeline for any [\*\*\*] period exceed the amounts paid by the Company to Ridgeline for such [\*\*\*] period, the Company shall pay Ridgeline an amount equal to such difference within [\*\*\*] of receipt of the final monthly invoice for such quarter, and to the extent that Service fees, reimbursable costs and expenses incurred by Ridgeline for such [\*\*\*] period are less than the amounts paid by the Company to Ridgeline for such [\*\*\*] period, the Company shall reduce the following month’s payment by an amount equal to such difference.

For example, if the Company has made [\*\*\*]:

- (a) [\*\*\*]; or
- (b) [\*\*\*].

Set forth below for informational purposes only are current estimates of quarterly costs and budgets:

[\*\*\*]

1.2 Delete in their entirety and replace subsections (a) and (b) of Section 2.6 of the Original Agreement with the following:

“(a) **Term.** The term of this Agreement (the “**Term**”) shall commence on the Effective Date and continue for one year, automatically renewing for additional one year terms unless otherwise terminated in accordance with this Section 2.6.

(b) **Election to Terminate.** The Company may terminate this Agreement either with respect to all, or with respect to any one or more, of the Services provided hereunder (including, without limitation, terminating the provision of Services by any member or members of the Ridgeline Key Team) at any time and from time to time, for any reason or no reason, by giving written notice to Ridgeline at least [\*\*\*] prior to the date of such termination. Ridgeline may terminate this Agreement either with respect to all, or with respect to any one or more, of the Services provided hereunder at any time and from time to time, for any reason or no reason, by giving written notice to the Company at least [\*\*\*] days prior to the date of such termination. In addition, the parties may at any time mutually agree in writing to terminate this Agreement with respect to some or all of the Services, effective immediately or as indicated in such writing. In the event of any termination with respect to one or more, but less than all, Services, this Agreement shall continue in full force and effect with respect to any Services not terminated hereby.”

## 2. Miscellaneous.

(a) Effect of Amendment. Except as expressly set forth herein, this Amendment shall not alter, modify, amend or in any way affect any of the terms, conditions, covenants, obligations or agreements contained in the Original Agreement, all of which shall continue to be in full force and effect. Whenever the Original Agreement is referred to in the Original Agreement or in any other agreements, documents or instruments, such reference shall be to the Original Agreement as amended hereby.

(b) Counterparts; Facsimile Signatures. This Amendment may be executed in any number of counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and the same document. This Amendment may be executed by facsimile or .pdf signatures.

(c) **GOVERNING LAW. THIS AMENDMENT SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF DELAWARE, WITHOUT GIVING EFFECT TO PRINCIPLES OF CONFLICTS OF LAWS.**

[Signature Pages Follow]

IN WITNESS WHEREOF, the parties have executed this Amendment as of the date first above written.

**COMPANY:**

**BLACK DIAMOND THERAPEUTICS, INC.**

By: /s/ David Epstein \_\_\_\_\_

Name: David Epstein

Title: President

**RIDGELINE THERAPEUTICS GmbH**

By: /s/ Alexander Mayweg \_\_\_\_\_

Name: Alexander Mayweg

Title: CSO

[SIGNATURE PAGE TO AMENDMENT NO. 2 TO SERVICES AGREEMENT]



December 13, 2019

Securities and Exchange Commission  
100 F. Street, N.E.  
Washington, D.C. 20549

Commissioners:

We have read the section under the heading "Change in Our Independent Accounting Firm" included in the Registration Statement on Form S-1 of Black Diamond Therapeutics, Inc., which we understand will be submitted to the Securities and Exchange Commission on or about December 13, 2019. We agree with the statements concerning our firm contained therein.

Very truly yours,

**Adeptus Partners, LLC**

Adeptus Partners, LLC  
Accountants | Advisors  
733 Route 35 North  
Ocean, NJ 07712  
phone 732.745.8800  
fax 732.663.0090  
www.AdeptusCPAs.com

*Offices:*

Maryland  
New York City  
Long Island  
New Jersey



SUBSIDIARIES

Subsidiary  
Black Diamond Therapeutics (Canada) Inc.  
Black Diamond Therapeutics Security Corporation

Jurisdiction of Incorporation  
Canada  
Massachusetts

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We hereby consent to the use in this Registration Statement on Form S-1 of Black Diamond Therapeutics, Inc. of our report dated August 22, 2019, except for the removal of the conclusion that there is substantial doubt about the Company's ability to continue as a going concern as discussed in Note 1, as to which the date is December 13, 2019, relating to the financial statements, which appears in this Registration Statement. We also consent to the reference to us under the heading "Experts" in such Registration Statement.

/s/ PricewaterhouseCoopers LLP  
Boston, Massachusetts  
January 3, 2020