

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549**

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of report (Date of earliest event reported) **March 6, 2019**

GTx, Inc.

(Exact Name of Registrant as Specified in Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

000-50549
(Commission File
Number)

62-1715807
(IRS Employer Identification No.)

**175 Toyota Plaza
7th Floor
Memphis, Tennessee**
(Address of Principal Executive Offices)

38103
(Zip Code)

Registrant's telephone number, including area code: **(901) 523-9700**

N/A

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communication pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

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.

Item 1.01 Entry into a Material Definitive Agreement.

On March 6, 2019, GTx, Inc. (“GTx”) entered into an Agreement and Plan of Merger and Reorganization (the “Merger Agreement”) with Oncternal Therapeutics, Inc., a Delaware corporation (“Oncternal”), and Grizzly Merger Sub, Inc., a Delaware corporation and wholly-owned subsidiary of GTx (“Merger Sub”). Upon the terms and subject to the satisfaction of the conditions described in the Merger Agreement, including approval of the transaction by GTx’s stockholders and Oncternal’s stockholders, Merger Sub will be merged with and into Oncternal (the “Merger”), with Oncternal surviving the Merger as a wholly-owned subsidiary of GTx. The Merger is intended to qualify as a tax-free reorganization for U.S. federal income tax purposes.

Subject to the terms and conditions of the Merger Agreement, at the effective time of the Merger (the “Effective Time”): (i) each share of Oncternal common stock outstanding immediately prior to the Effective Time (excluding shares held by GTx, Merger Sub or Oncternal and dissenting shares) will be converted solely into the right to receive a number of shares of GTx’s common stock (the “Shares”) equal to the exchange ratio described below, (ii) each outstanding Oncternal stock option will be assumed by GTx, and (iii) each outstanding Oncternal warrant will be assumed by GTx.

Under the exchange ratio formula in the Merger Agreement, the former Oncternal stockholders immediately before the Merger are expected to own approximately 75% of the outstanding capital stock of GTx, and the stockholders of GTx immediately before the Merger are expected to own approximately 25% of the outstanding capital stock of GTx, subject to certain assumptions. The exchange ratio formula excludes Oncternal’s outstanding stock options and warrants and GTx’s outstanding stock options, and warrants. To the extent Oncternal’s outstanding stock options or warrants are exercised in the future, it will result in further dilution to GTx’s stockholders.

Under certain circumstances further described in the Merger Agreement, the ownership percentages may be adjusted upward or downward based on cash levels of the respective companies at the closing of the Merger (the “Closing”).

Following the Closing, James Breitmeyer will serve as GTx’s Chief Executive Officer, Richard Vincent will serve as GTx’s Chief Financial Officer, and Lauren Otsuki will serve as GTx’s Chief Operating Officer. Additionally, following the Closing, the board of directors of GTx (the “GTx Board”) will consist of nine directors, including two designees of GTx, and is expected to be comprised of David Hale, James Breitmeyer, Yanjun Liu, Xin Nakanishi, Michael Carter (GTx nominee), Robert Wills (GTx nominee), Charles Theuer, William LaRue and a director to be designated by Oncternal.

The Merger Agreement contains customary representations, warranties and covenants made by GTx and Oncternal, including covenants relating to obtaining the requisite approvals of the stockholders of GTx and Oncternal, indemnification of directors and officers, GTx’s and Oncternal’s conduct of their respective businesses between the date of signing of the Merger Agreement and the Closing.

In connection with the Merger, GTx will prepare and file with the U.S. Securities and Exchange Commission (“SEC”) a registration statement on Form S-4 that will contain a prospectus and a proxy statement, and will seek the approval of GTx’s stockholders with respect to certain actions, including the following (collectively, the “GTx Stockholder Matters”):

- the Merger Agreement, including the issuance of shares of GTx common stock to the Oncternal’s stockholders in connection with the transactions contemplated by the Merger Agreement;
- the amendment of GTx’s restated certificate of incorporation to effect a reverse split of all outstanding shares of GTx’s common stock at a reverse stock split ratio as mutually agreed to by GTx and Oncternal;
- the change of control of GTx resulting from the Merger pursuant to pertinent Nasdaq rules; and
- a new equity incentive plan.

The Closing is subject to satisfaction or waiver of certain conditions including, among other things, (i) the required approvals by the parties' stockholders (including stockholder approval from one of Oncternal's significant stockholders, Shanghai Pharmaceutical (USA) Inc., which holds all of the outstanding shares of one series of Oncternal's preferred stock that must approve the transactions contemplated by the Merger Agreement), (ii) the accuracy of the representations and warranties, subject to certain materiality qualifications, (iii) compliance by the parties with their respective covenants, (iv) no law or order preventing the Merger and related transactions, and (v) the listing of the Shares on the Nasdaq Capital Market.

The Merger Agreement also includes termination provisions for both GTx and Oncternal. In connection with a termination of the Merger Agreement under specified circumstances, either party may be required to pay the other party a termination fee ranging between \$500,000 to \$2,000,000.

Contingent Value Rights Agreement

At the Effective Time, GTx, Marc Hanover, as representative of the GTx stockholders prior to the Effective Time, and Computershare Inc., as the Rights Agent, will enter into a Contingent Value Rights Agreement (the "CVR Agreement"). Pursuant to the CVR Agreement, for each share of GTx common stock held, GTx stockholders of record as of immediately prior to the Effective Time will receive one contingent value right ("CVR") entitling such holders to receive in the aggregate 50% of any net proceeds received during the 15-year period after the Closing from the grant, sale or transfer of rights to GTx's SARD or SARM technology that occurs during the 10-year period after the Closing (or in the 11th year if based on a term sheet approved during the initial 10-year period) and to receive royalties on the sale of any SARD products by the combined company during the 15-year period after the Closing. Under the CVR agreement, Oncternal (as successor in interest to GTx) agreed to use commercially reasonable efforts to develop SARD products and to divest SARM technology, subject to certain limitations. The CVRs are not transferable, except in certain limited circumstances, will not be certificated or evidenced by any instrument and will not be registered with the SEC or listed for trading on any exchange. The CVR agreement will be effective prior to the Closing and will continue in effect until the payment of all amounts payable thereunder, unless terminated upon termination of the Merger Agreement.

Voting Agreements

In connection with the execution of the Merger Agreement, the executive officers and directors of GTx, and certain other stockholders of GTx entered into voting agreements with Oncternal and GTx relating to the Merger covering approximately 45% of the outstanding capital stock of GTx, as of date of the Merger Agreement (the "GTx Voting Agreements"). GTx Voting Agreements provide, among other things, that the stockholders who are parties to the GTx Voting Agreements will vote all of the shares held by them in favor of GTx Stockholder Matters and against any competing acquisition proposals. The GTx Voting Agreements also place certain restrictions on the transfer of the shares of GTx held by the respective signatories thereto.

In connection with the execution of the Merger Agreement, certain officers, directors and stockholders of Oncternal entered into voting agreements with GTx and Oncternal covering approximately 42% of the outstanding capital stock of Oncternal as of date of the Merger Agreement (the "Oncternal Voting Agreements," and together with GTx Voting Agreements, the "Voting Agreements"). One of Oncternal's significant stockholders, Shanghai Pharmaceutical (USA) Inc., has not entered into an Oncternal Voting Agreement, and Shanghai Pharmaceutical (USA) Inc. holds all of the outstanding shares of one series of Oncternal's preferred stock that must approve the transactions contemplated by the Merger Agreement. Oncternal expects it will not receive stockholder approval from Shanghai Pharmaceutical (USA) Inc. until approximately two months after the date of the Merger Agreement. The Oncternal Voting Agreements provide, among other things, that the officers, stockholders and investors party to the Oncternal Voting Agreements will vote all of the shares of Oncternal held by them in favor of the adoption of the Merger Agreement, the approval of the Merger and the other transactions contemplated by the Merger Agreement and against any competing acquisition proposals. The Oncternal Voting Agreements also place certain restrictions on the transfer of the shares of Oncternal held by the respective signatories thereto.

Lock-Up Agreements

Concurrently with the execution of the Merger Agreement, certain officers, directors and stockholders of GTx and Oncternal entered into lock-up agreements (the "Lock-Up Agreements"), pursuant to which they accepted certain restrictions on transfers of any shares of GTx's common stock for the 180-day period following the Effective Time.

The foregoing descriptions of the Merger Agreement, the CVR Agreement, the GTx Voting Agreements, the Oncternal Voting Agreements, and the Lock-Up Agreements, are not complete and are qualified in their entirety by reference to those agreements or the forms thereof, as applicable, which are attached hereto as Exhibit 2.1, 2.2, 2.3, 2.4, and 2.5, respectively, to this report and incorporated herein by reference.

The Merger Agreement (and the foregoing description of the Merger Agreement and the transactions contemplated thereby) has been included to provide investors and stockholders with information regarding the terms of the Merger Agreement and the transactions contemplated thereby. It is not intended to provide any other factual information about GTx or Oncternal. The representations, warranties and covenants contained in the Merger Agreement were made only as of specified dates for the purposes of the Merger Agreement, were solely for the benefit of the parties to the Merger Agreement and may be subject to qualifications and limitations agreed upon by such parties. In particular, in reviewing the representations, warranties and covenants contained in the Merger Agreement and discussed in the foregoing description, it is important to bear in mind that such representations, warranties and covenants were negotiated with the principal purpose of allocating risk between the parties, rather than establishing matters as facts. Such representations, warranties and covenants may also be subject to a contractual standard of materiality different from those generally applicable to stockholders and reports and documents filed with the SEC. Investors and stockholders are not third-party beneficiaries under the Merger Agreement. Accordingly, investors and stockholders should not rely on such representations, warranties and covenants as characterizations of the actual state of facts or circumstances described therein. Information concerning the subject matter of such representations, warranties and covenants may change after the date of the Merger Agreement, which subsequent information may or may not be fully reflected in the parties' public disclosures.

Item 2.05 Costs Associated with Exit or Disposal Activities.

On March 6, 2019, due to the entry into of the Merger Agreement with Oncternal, the GTx Board committed to reducing its workforce by seven to a total of 11 full-time employees, who will remain with GTx until the Closing to assist with its day-to-day business operations, including continuing its ongoing mechanistic SARD preclinical studies, and those activities necessary to complete the proposed Merger. All employees affected by the workforce reduction will be eligible to receive, among other things, specified severance payments based on the applicable employee's level and years of service with GTx and the continuation of group health insurance coverage. In addition, the affected employees will also be eligible for full vesting acceleration of their outstanding stock options as well as an extension of the post-termination exercise period for their outstanding stock options.

As a result of the workforce reduction and the prior termination of three employees earlier in the first quarter of 2019, GTx estimates that it will incur total severance-related charges of approximately \$1.0 million in the first quarter of 2019 and up to an additional \$0.5 million in the second quarter of 2019, assuming the Closing occurs during the second quarter of 2019. GTx does not expect to record a non-cash charge related to the modification of outstanding stock options in connection with the workforce reduction. The severance-related charges, which are expected to represent cash expenditures that GTx expects to incur in connection with the workforce reduction, are subject to a number of assumptions, and actual results may differ materially. GTx may also incur other charges or cash expenditures not currently contemplated due to events that may occur as a result of, or associated with, the workforce reduction.

Item 3.03 Material Modification to Rights of Security Holders.

The information set forth in Item 5.03 below is incorporated herein by reference

Item 5.03 Amendments to Articles of Incorporation or Bylaws; Change in Fiscal Year.

On March 6, 2019, the GTx Board amended the GTx, Inc. Amended and Restated Bylaws (the "Bylaws") by adding a new ARTICLE XVI, SECTION 16.1 to the Bylaws. New ARTICLE XVI, SECTION 16.1 of the Bylaws provides that unless GTx consents in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware (or, if and only if the Court of Chancery of the State of Delaware lacks subject matter jurisdiction, any state court located within the State of Delaware or, if and only if all such state courts lack subject matter jurisdiction,

the federal district court for the District of Delaware) shall, to the fullest extent permitted by law, be the sole and exclusive forum for the following types of actions or proceedings under Delaware statutory or common law: (i) any derivative action or proceeding brought on behalf of GTx; (ii) any action asserting a claim of breach of a fiduciary duty owed by any current or former director, officer, other employee or stockholder of GTx to GTx or to GTx's stockholders; (iii) any action asserting a claim arising pursuant to any provision of the General Corporation Law of the State of Delaware (the "DGCL"), GTx's Certificate of Incorporation or the Bylaws or as to which the DGCL confers jurisdiction on the Court of Chancery of the State of Delaware; or (iv) any action asserting a claim governed by the internal affairs doctrine. Any person or entity purchasing or otherwise acquiring or holding any interest in shares of capital stock of GTx shall be deemed to have notice of and consented to the provisions of this new Bylaw provision.

The Bylaws, as so amended on March 6, 2019, are filed as Exhibit 3.1 hereto and are incorporated herein by reference.

Item 8.01 Other Events.

On March 7, 2019, GTx and Oncternal issued a joint press release announcing the execution of the Merger Agreement. The press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Forward Looking Statements

This report and the press release attached hereto as Exhibit 99.1 contain forward-looking statements based upon GTx's and Oncternal's current expectations. Forward-looking statements involve risks and uncertainties, and include, but are not limited to, statements about the structure, timing and completion of the proposed Merger; the combined company's listing on Nasdaq after closing of the proposed Merger; the possibility that any grant, sale or transfer of rights to SARD or SARM technology or the sale of any SARD or SARM products will occur during the term of the CVR Agreement and that the conditions to payment under the CVRs will be met; expectations regarding the ownership structure of the combined company; the expected executive officers and directors of the combined company; the combined company's expected cash position at the closing of the proposed Merger; the future operations of the combined company, including with respect to the continued development of GTx's SARD technology; the nature, strategy and focus of the combined company; the development and commercial potential and potential benefits of any product candidates of the combined company; the executive and board structure of the combined company; the location of the combined company's corporate headquarters; anticipated preclinical and clinical drug development activities and related timelines, including the expected timing for data and other clinical and preclinical results; Oncternal having sufficient resources to advance its pipeline; the expected charges and related cash expenditures that GTx expects to incur and not to incur in connection with the workforce reduction reported herein; and other statements that are not historical fact. Actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of these risks and uncertainties, which include, without limitation: (i) the risk that the conditions to the closing of the proposed Merger are not satisfied, including the failure to timely obtain stockholder approval for the transaction, if at all; (ii) uncertainties as to the timing of the consummation of the proposed Merger and the ability of each of GTx and Oncternal to consummate the proposed Merger; (iii) risks related to GTx's ability to manage its operating expenses and its expenses associated with the proposed Merger pending closing; (iv) risks related to the failure or delay in obtaining required approvals from any governmental or quasi-governmental entity necessary to consummate the proposed Merger; (v) the risk that as a result of adjustments to the exchange ratio, GTx stockholders and Oncternal stockholders could own more or less of the combined company than is currently anticipated; (vi) risks related to the market price of GTx's common stock relative to the exchange ratio; (vii) unexpected costs, charges or expenses resulting from the transaction; (viii) potential adverse reactions or changes to business relationships resulting from the announcement or completion of the proposed Merger; (ix) the uncertainties associated with the clinical development and regulatory approval of product candidates such as cirmtuzumab and TK216, including potential delays in the commencement, enrollment and completion of clinical trials; (x) risks related to the inability of the combined company to obtain sufficient additional capital to continue to advance these product candidates and its preclinical programs, including GTx's SARD program and Oncternal's CAR-T program; (xi) uncertainties in obtaining successful clinical results for product candidates and unexpected costs that may result therefrom; (xii) risks related to the failure to realize any value from product candidates and preclinical programs being developed and anticipated to be developed in light of inherent risks and difficulties involved in successfully bringing product candidates to market; (xiii) the risk that the conditions to payment under the CVRs will be not be met and that the

CVRs may otherwise never deliver any value to GTx stockholders; (xiv) risks associated with the possible failure to realize certain anticipated benefits of the proposed Merger, including with respect to future financial and operating results; and (xv) risks related to the impact of the workforce reduction reported herein on GTx's business and unanticipated charges not currently contemplated that may occur as a result of the workforce reduction, including that the workforce reduction charges, costs and expenditures may be greater than currently anticipated. Actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of these risks and uncertainties. These and other risks and uncertainties are more fully described in periodic filings with the SEC, including the factors described in the section entitled "Risk Factors" in GTx's Quarterly Report on Form 10-Q for the quarter ended September 30, 2018 filed with the SEC, and in other filings that GTx makes and will make with the SEC in connection with the proposed Merger, including the proxy statement/prospectus/information statement described below under "Additional Information about the Proposed Merger and Where to Find It." You should not place undue reliance on these forward-looking statements, which are made only as of the date hereof or as of the dates indicated in the forward-looking statements. GTx expressly disclaims any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements contained herein to reflect any change in its expectations with regard thereto or any change in events, conditions or circumstances on which any such statements are based.

Additional Information about the Proposed Merger and Where to Find It

In connection with the proposed Merger, GTx and Oncternal intend to file relevant materials with the Securities and Exchange Commission, or the SEC, including a registration statement on Form S-4 that will contain a prospectus, a proxy statement and an information statement. **Investors and security holders of GTx and Oncternal are urged to read these materials when they become available because they will contain important information about GTx, Oncternal and the Merger.** The proxy statement, prospectus, information statement and other relevant materials (when they become available), and any other documents filed by GTx with the SEC, may be obtained free of charge at the SEC web site at www.sec.gov. In addition, investors and security holders may obtain free copies of the documents filed with the SEC by GTx by directing a written request to: GTx, Inc., 175 Toyota Plaza, 7th Floor, Memphis, Tennessee 38103, Attention: Corporate Secretary. Investors and security holders are urged to read the proxy statement, prospectus, information statement and other relevant materials when they become available before making any voting or investment decision with respect to the Merger.

This communication shall not constitute an offer to sell or the solicitation of an offer to sell or the solicitation of an offer to buy any securities, nor shall there be any sale of securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. No offering of securities shall be made except by means of a prospectus meeting the requirements of Section 10 of the Securities Act of 1933, as amended.

Participants in the Solicitation

GTx and its directors and executive officers and Oncternal and its directors and executive officers may be deemed to be participants in the solicitation of proxies from the stockholders of GTx in connection with the proposed transaction. Information regarding the special interests of these directors and executive officers in the Merger will be included in the proxy statement/ prospectus/information statement referred to above. Additional information regarding the directors and executive officers of GTx is also included in GTx's definitive proxy statement in connection with its 2018 Annual Meeting of Stockholders filed with the SEC on March 23, 2018. These documents are available free of charge at the SEC web site (www.sec.gov) and from the Corporate Secretary of GTx at the address above.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.	Description
2.1*	<u>Agreement and Plan of Merger and Reorganization, dated March 6, 2019, by and among GTX, Oncternal and Merger Sub.</u>
2.2*	<u>Form of CVR Agreement by and between GTX, Marc S. Hanover, as the Holders' Representative, and Computershare Investor Services, as Rights Agent.</u>
2.3	<u>Form of GTX Voting Agreement, dated March 6, 2019, by and between Oncternal, GTX and each of the parties named in each agreement therein.</u>
2.4	<u>Form of Oncternal Voting Agreement, dated March 6, 2019, by and between GTX, Oncternal and each of the parties named in each agreement therein.</u>
2.5	<u>Form of Lock-Up Agreement, dated March 6, 2019, by each of the parties named in each agreement therein.</u>
3.1	<u>Amended and Restated Bylaws of GTX., as amended on March 6, 2019.</u>
99.1	<u>Joint Press Release of GTX and Oncternal, dated March 7, 2019.</u>

* Schedules and exhibits have been omitted pursuant to Item 601(b)(2) of Regulation S-K. A copy of any omitted schedule and/or exhibit will be furnished to the SEC upon request.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: March 7, 2019

GTx, Inc.

By: /s/ Henry Doggrell

Name: Henry Doggrell

Title: Vice President, Chief Legal Officer and Secretary

**AGREEMENT AND PLAN OF MERGER
AND REORGANIZATION**

among:

GTx, Inc.

a Delaware corporation;

GRIZZLY MERGER SUB, INC.,

a Delaware corporation; and

ONCTERNAL THERAPEUTICS, INC.,

a Delaware corporation

Dated as of March 6, 2019

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Company Disclosure Schedule

Parent Disclosure Schedule

Exhibits:

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Exhibit F	2019 Plan

AGREEMENT AND PLAN OF MERGER AND REORGANIZATION

THIS AGREEMENT AND PLAN OF MERGER AND REORGANIZATION (this “**Agreement**”) is made and entered into as of March 6, 2019, by and among **GTx, Inc.**, a Delaware corporation (“**Parent**”) **Grizzly Merger Sub, Inc.**, a Delaware corporation and wholly owned subsidiary of Parent (“**Merger Sub**”), and Oncternal Therapeutics, Inc., a Delaware corporation (the “**Company**”). Certain capitalized terms used in this Agreement are defined in **Exhibit A**.

RECITALS

A. Parent and the Company intend to effect a merger of Merger Sub with and into the Company (the “**Merger**”) in accordance with this Agreement and the DGCL. Upon consummation of the Merger, Merger Sub will cease to exist and the Company will become a wholly owned subsidiary of Parent.

B. The Parties intend that the Merger qualify as a “reorganization” within the meaning of Section 368(a) of the Code, and by executing this Agreement, the Parties intend to adopt a plan of reorganization within the meaning of Treasury Regulations Sections 1.368-2(g) and 1.368-3.

C. The Parent Board has (i) determined that the Contemplated Transactions are fair to, advisable and in the best interests of Parent and its stockholders, (ii) approved and declared advisable this Agreement and the Contemplated Transactions, including the issuance of shares of Parent Common Stock to the stockholders of the Company pursuant to the terms of this Agreement and (iii) determined to recommend, upon the terms and subject to the conditions set forth in this Agreement, that the stockholders of Parent vote to approve the Parent Stockholder Matters.

D. The Merger Sub Board has (i) determined that the Contemplated Transactions are fair to, advisable, and in the best interests of Merger Sub and its sole stockholder, (ii) approved and declared advisable this Agreement and the Contemplated Transactions and (iii) determined to recommend, upon the terms and subject to the conditions set forth in this Agreement, that the stockholder of Merger Sub votes to adopt this Agreement and thereby approve the Contemplated Transactions.

E. The Company Board has (i) determined that the Contemplated Transactions are fair to, advisable and in the best interests of the Company and its stockholders, (ii) approved and declared advisable this Agreement and the Contemplated Transactions and (iii) determined to recommend, upon the terms and subject to the conditions set forth in this Agreement, that the stockholders of the Company vote to approve the Company Stockholder Matters.

F. Concurrently with the execution and delivery of this Agreement and as a condition and inducement to Parent’s willingness to enter into this Agreement, the officers, directors and stockholders of the Company listed on Section A of the Company Disclosure Schedule (solely in their capacity as stockholders of the Company) are executing (a) support agreements in favor of Parent in substantially the form attached hereto as **Exhibit B-1** (the “**Company Stockholder Support Agreement**”), pursuant to which such Persons (the “**Company Signatories**”) have, subject to the terms and conditions set forth therein, agreed to vote all of their shares of Company Capital Stock in favor of the Company Stockholder Matters and against any proposals that compete with the Contemplated Transactions, and (b) lock-up agreements in substantially the form attached hereto as **Exhibit D** executed by the Company Signatories (each, a “**Company Lock-Up Agreement**”).

G. Concurrently with the execution and delivery of this Agreement and as a condition and inducement to the Company’s willingness to enter into this Agreement, the officers and directors of Parent listed on Section A of the Parent Disclosure Schedule (solely in their capacity as stockholders of Parent)

are executing (a) support agreements in favor of the Company in substantially the form attached hereto as **Exhibit B-2** (the “**Parent Stockholder Support Agreement**”), pursuant to which such Persons (the “**Parent Signatories**”) have, subject to the terms and conditions set forth therein, agreed to vote all of their shares of Parent Common Stock in favor of the Parent Stockholder Matters and against any proposals that compete with the Contemplated Transactions and (b) lock-up agreements in substantially the form attached hereto as **Exhibit D** executed by the Parent Signatories (each, a “**Parent Lock-Up Agreement**”).

H. It is expected that promptly after the Registration Statement is declared effective under the Securities Act (but in no event later than 10 Business Days following the effectiveness of the Registration Statement), the Company shall deliver the Company Stockholder Written Consent evidencing the Required Company Stockholder Vote.

AGREEMENT

The Parties, intending to be legally bound, agree as follows:

Section 1. DESCRIPTION OF TRANSACTION

1.1 **The Merger.** Upon the terms and subject to the conditions set forth in this Agreement, at the Effective Time, Merger Sub shall be merged with and into the Company, and the separate existence of Merger Sub shall cease. The Company will continue as the surviving corporation in the Merger (the “**Surviving Corporation**”).

1.2 **Effects of the Merger.** The Merger shall have the effects set forth in this Agreement, the Certificate of Merger and in the applicable provisions of the DGCL. As a result of the Merger, the Company will become a wholly owned subsidiary of Parent.

1.3 **Closing; Effective Time.** Unless this Agreement is earlier terminated pursuant to the provisions of Section 9.1, and subject to the satisfaction or waiver of the conditions set forth in Sections 6, 7 and 8, the consummation of the Merger (the “**Closing**”) shall take place remotely as promptly as practicable (but in no event later than the second Business Day following the satisfaction or waiver of the last to be satisfied or waived of the conditions set forth in Sections 6, 7 and 8, other than those conditions that by their nature are to be satisfied at the Closing, but subject to the satisfaction or waiver of each of such conditions), or at such other time, date and place as Parent and the Company may mutually agree in writing. The date on which the Closing actually takes place is referred to as the “**Closing Date**.” At the Closing, the Parties shall cause the Merger to be consummated by executing and filing with the Secretary of State of the State of Delaware a certificate of merger with respect to the Merger, satisfying the applicable requirements of the DGCL and in a form reasonably acceptable to Parent and the Company (the “**Certificate of Merger**”). The Merger shall become effective at the time of the filing of such Certificate of Merger with the Secretary of State of the State of Delaware or at such later time as may be specified in such Certificate of Merger with the consent of Parent and the Company (the time as of which the Merger becomes effective being referred to as the “**Effective Time**”).

1.4 **Certificate of Incorporation and Bylaws; Directors and Officers.** At the Effective Time:

(a) the certificate of incorporation of the Surviving Corporation shall be amended and restated in its entirety to read identically to the certificate of incorporation of Merger Sub as in effect immediately prior to the Effective Time, until thereafter amended as provided by the DGCL and such certificate of incorporation; *provided, however*, that at the Effective Time, Parent shall file an amendment to the Surviving Company’s certificate of incorporation to (i) change the name of the Surviving

Corporation to Oncternal Oncology, Inc. and (ii) make such other changes as are mutually agreed to by Parent and the Company.

(b) the certificate of incorporation of Parent shall be identical to the certificate of incorporation of Parent immediately prior to the Effective Time, until thereafter amended as provided by the DGCL and such certificate of incorporation, *provided, however*, that at the Effective Time, Parent shall file an amendment to its certificate of incorporation to (i) change the name of Parent to Oncternal Therapeutics, Inc., (ii) as contemplated by Section 5.3(a)(i), effect the Nasdaq Reverse Split and (iii) make such other changes as are mutually agreeable to Parent and the Company;

(c) the bylaws of the Surviving Corporation shall be amended and restated in their entirety to read identically to the bylaws of Merger Sub as in effect immediately prior to the Effective Time (except that the name of the Surviving Corporation in such bylaws shall reflect the name identified in Section 1.4(a)), until thereafter amended as provided by the DGCL and such bylaws;

(d) the directors and officers of Parent, each to hold office in accordance with the certificate of incorporation and bylaws of Parent, shall be as set forth in Section 5.12; and

(e) the directors and officers of the Surviving Corporation, each to hold office in accordance with the certificate of incorporation and bylaws of the Surviving Corporation, shall be the directors and officers of Parent as set forth in Section 5.12, after giving effect to the provisions of Section 5.12, or such other persons as shall be mutually agreed upon by Parent and the Company.

1.5 Conversion of Shares.

(a) At the Effective Time, by virtue of the Merger and without any further action on the part of Parent, Merger Sub, the Company or any stockholder of the Company or Parent:

(i) any shares of Company Common Stock held as treasury stock or held or owned by the Company, Merger Sub or any Subsidiary of the Company immediately prior to the Effective Time shall be canceled and retired and shall cease to exist, and no consideration shall be delivered in exchange therefor; and

(ii) subject to Section 1.5(c), each share of Company Common Stock outstanding immediately prior to the Effective Time (excluding shares to be canceled pursuant to Section 1.5(a)(i) and excluding Dissenting Shares) shall be automatically converted solely into the right to receive a number of shares of Parent Common Stock equal to the Exchange Ratio (the "**Merger Consideration**").

(b) If any shares of Company Common Stock outstanding immediately prior to the Effective Time are unvested or are subject to a repurchase option or a risk of forfeiture under any applicable restricted stock purchase agreement or other similar agreement with the Company, then the shares of Parent Common Stock issued in exchange for such shares of Company Common Stock will to the same extent be unvested and subject to the same repurchase option or risk of forfeiture, and such shares of Parent Common Stock shall accordingly be marked with appropriate legends. The Company shall take all actions that may be reasonably necessary to ensure that, from and after the Effective Time, Parent is entitled to exercise any such repurchase option or other right set forth in any such restricted stock purchase agreement or other agreement in accordance with its terms.

(c) No fractional shares of Parent Common Stock shall be issued in connection with the Merger, and no certificates or scrip for any such fractional shares shall be issued. Any

holder of Company Common Stock who would otherwise be entitled to receive a fraction of a share of Parent Common Stock (after aggregating all fractional shares of Parent Common Stock issuable to such holder) shall, in lieu of such fraction of a share and upon surrender by such holder of a letter of transmittal in accordance with Section 1.8 and any accompanying documents as required therein, be paid in cash the dollar amount (rounded to the nearest whole cent), without interest, determined by multiplying such fraction by the Parent Closing Price.

(d) All Company Options outstanding immediately prior to the Effective Time under the Company Plans shall be treated in accordance with Section 5.5(a).

(e) All Company Warrants outstanding immediately prior to the Effective Time shall be treated in accordance with Section 5.5(c).

(f) Each share of common stock, \$0.001 par value per share, of Merger Sub issued and outstanding immediately prior to the Effective Time shall be converted into and exchanged for one validly issued, fully paid and nonassessable share of common stock, \$0.001 par value per share, of the Surviving Corporation. Each stock certificate of Merger Sub evidencing ownership of any such shares shall, as of the Effective Time, evidence ownership of such shares of common stock of the Surviving Corporation.

(g) If, between the time of calculating the Exchange Ratio and the Effective Time, any outstanding shares of Company Capital Stock or Parent Common Stock shall have been changed into, or exchanged for, a different number of shares or a different class, by reason of any stock dividend, subdivision, reclassification, recapitalization, split (including the Nasdaq Reverse Split to the extent such split has not been previously taken into account in calculating the Exchange Ratio), combination or exchange of shares or other like change, the Exchange Ratio shall, to the extent necessary, be equitably adjusted to reflect such change to the extent necessary to provide the holders of Company Capital Stock, Parent Common Stock, Company Options and Company Warrants with the same economic effect as contemplated by this Agreement prior to such stock dividend, subdivision, reclassification, recapitalization, split (including the Nasdaq Reverse Split), combination or exchange of shares or other like change; *provided, however*, that nothing herein will be construed to permit the Company or Parent to take any action with respect to Company Capital Stock or Parent Common Stock, respectively, that is prohibited or not expressly permitted by the terms of this Agreement.

1.6 **Contingent Value Right.**

(a) Holders of Parent Common Stock of record as of immediately prior to the Effective Time shall be entitled to one contractual contingent value right (a “***CVR***”) issued by Parent subject to and in accordance with the terms and conditions of the CVR Agreement, attached hereto as **Exhibit E** (the “***CVR Agreement***”), for each share of Parent Common Stock held by such holders, including Parent Common Stock subject to any Parent Deferred Stock Right.

(b) At or prior to the Effective Time, Parent shall authorize and duly adopt, execute and deliver, and will ensure that Exchange Agent and CVR Representative execute and deliver, the CVR Agreement, subject to any reasonable revisions to the CVR Agreement that are requested by such Exchange Agent (provided that such revisions are not, individually or in the aggregate, detrimental or adverse, taken as a whole, to any holder of CVR). Parent and the Company shall cooperate, including by making changes to the form of CVR Agreement, as necessary to ensure that the CVRs are not subject to registration under the Securities Act, the Exchange Act or any applicable state securities or “blue sky” laws.

(c) Parent, the Exchange Agent and (if necessary) CVR Representative shall, at or prior to the Effective Time, duly authorize, execute and deliver the CVR Agreement.

1.7 **Closing of the Company's Transfer Books.** At the Effective Time: (a) all shares of Company Common Stock outstanding immediately prior to the Effective Time shall be treated in accordance with Section 1.5(a), and all holders of certificates representing shares of Company Capital Stock that were outstanding immediately prior to the Effective Time shall cease to have any rights as stockholders of the Company; and (b) the stock transfer books of the Company shall be closed with respect to all shares of Company Capital Stock outstanding immediately prior to the Effective Time. No further transfer of any such shares of Company Capital Stock shall be made on such stock transfer books after the Effective Time. If, after the Effective Time, a valid certificate previously representing any shares of Company Capital Stock, including any valid certificate representing any shares of Company Preferred Stock previously converted into shares of Company Common Stock in connection with the Preferred Stock Conversion, outstanding immediately prior to the Effective Time (a "**Company Stock Certificate**") is presented to the Exchange Agent or to the Surviving Corporation, such Company Stock Certificate shall be canceled and shall be exchanged as provided in Sections 1.5 and 1.8.

1.8 **Surrender of Certificates.**

(a) No later than 10 Business Days after the date that the Registration Statement is declared effective, Parent and the Company shall agree upon and select a reputable bank, transfer agent or trust company to act as exchange agent in the Merger (the "**Exchange Agent**"). At the Effective Time, Parent shall deposit with the Exchange Agent: (i) certificates or evidence of book-entry shares representing the Parent Common Stock issuable pursuant to Section 1.5(a) and (ii) cash sufficient to make payments in lieu of fractional shares in accordance with Section 1.5(c). The Parent Common Stock and cash amounts so deposited with the Exchange Agent, together with any dividends or distributions received by the Exchange Agent with respect to such shares, are referred to collectively as the "**Exchange Fund**."

(b) Promptly after the Effective Time, the Parties shall cause the Exchange Agent to mail to the Persons who were record holders of shares of Company Capital Stock that were converted into the right to receive the Merger Consideration: (i) a letter of transmittal in customary form and containing such provisions as Parent may reasonably specify (including a provision confirming that delivery of Company Stock Certificates shall be effected, and risk of loss and title to Company Stock Certificates shall pass, only upon proper delivery of such Company Stock Certificates to the Exchange Agent); and (ii) instructions for effecting the surrender of Company Stock Certificates in exchange for shares of Parent Common Stock. Upon surrender of a Company Stock Certificate to the Exchange Agent for exchange, together with a duly executed letter of transmittal and such other documents as may be reasonably required by the Exchange Agent or Parent: (A) the holder of such Company Stock Certificate shall be entitled to receive in exchange therefor a certificate or certificates or book-entry shares representing the Merger Consideration (in a number of whole shares of Parent Common Stock) that such holder has the right to receive pursuant to the provisions of Section 1.5(a) (and cash in lieu of any fractional share of Parent Common Stock pursuant to the provisions of Section 1.5(c)); and (B) the Company Stock Certificate so surrendered shall be canceled. Until surrendered as contemplated by this Section 1.8(b), each Company Stock Certificate shall be deemed, from and after the Effective Time, to represent only the right to receive a certificate or certificates or book-entry shares of Parent Common Stock representing the Merger Consideration (and cash in lieu of any fractional share of Parent Common Stock). If any Company Stock Certificate shall have been lost, stolen or destroyed, Parent may, in its discretion and as a condition precedent to the delivery of any shares of Parent Common Stock, require the owner of such lost, stolen or destroyed Company Stock Certificate to provide an applicable affidavit with respect to such Company Stock Certificate that includes an obligation of such owner to indemnify Parent against any claim suffered

by Parent related to the lost, stolen or destroyed Company Stock Certificate as Parent may reasonably request. In the event of a transfer of ownership of a Company Stock Certificate that is not registered in the transfer records of the Company, payment of the Merger Consideration in respect of such Company Stock Certificate may be made to a Person other than the Person in whose name such Company Stock Certificate so surrendered is registered if such Company Stock Certificate shall be properly endorsed or otherwise be in proper form for transfer and the Person requesting such payment shall pay any transfer or other Taxes required by reason of the transfer or establish to the reasonable satisfaction of Parent that such Taxes have been paid or are not applicable. The Merger Consideration and any dividends or other distributions as are payable pursuant to Section 1.8(c) shall be deemed to have been in full satisfaction of any and all rights pertaining to Company Capital Stock formerly represented by such Company Stock Certificate.

(c) No dividends or other distributions declared or made with respect to Parent Common Stock with a record date on or after the Effective Time shall be paid to the holder of any unsurrendered Company Stock Certificate with respect to the shares of Parent Common Stock that such holder has the right to receive in the Merger until such holder surrenders such Company Stock Certificate or provides an affidavit of loss or destruction in lieu thereof in accordance with this Section 1.8 (at which time (or, if later, on the applicable payment date) such holder shall be entitled, subject to the effect of applicable abandoned property, escheat or similar Laws, to receive all such dividends and distributions, without interest).

(d) Any portion of the Exchange Fund that remains undistributed to holders of Company Stock Certificates as of the date that is one year after the Closing Date shall be delivered to Parent upon demand, and any holders of Company Stock Certificates who have not theretofore surrendered their Company Stock Certificates in accordance with this Section 1.8 shall thereafter look only to Parent for satisfaction of their claims for Parent Common Stock, cash in lieu of fractional shares of Parent Common Stock and any dividends or distributions with respect to shares of Parent Common Stock.

(e) No party to this Agreement shall be liable to any holder of any Company Stock Certificate or to any other Person with respect to any shares of Parent Common Stock (or dividends or distributions with respect thereto) or for any cash amounts delivered to any public official pursuant to any applicable abandoned property Law, escheat Law or similar Law.

1.9 Appraisal Rights.

(a) Notwithstanding any provision of this Agreement to the contrary, shares of Company Capital Stock that are outstanding immediately prior to the Effective Time and which are held by stockholders who have exercised and perfected appraisal rights for such shares of Company Capital Stock in accordance with the DGCL or the CCC, as applicable (collectively, the “*Dissenting Shares*”) shall not be converted into or represent the right to receive the Merger Consideration described in Section 1.5 attributable to such Dissenting Shares. Such stockholders shall be entitled to receive payment of the appraised value of such shares of Company Capital Stock held by them in accordance with the DGCL or the CCC, as applicable, unless and until such stockholders fail to perfect or effectively withdraw or otherwise lose their appraisal rights under the DGCL or the CCC, as applicable. All Dissenting Shares held by stockholders who shall have failed to perfect or shall have effectively withdrawn or lost their right to appraisal of such shares of Company Capital Stock under the DGCL or the CCC, as applicable (whether occurring before, at or after the Effective Time) shall thereupon be deemed to be converted into and to have become exchangeable for, as of the Effective Time, the right to receive the Merger Consideration, without interest, attributable to such Dissenting Shares upon their surrender in the manner provided in Sections 1.5 and 1.8.

(b) The Company shall give Parent prompt written notice of any demands by dissenting stockholders received by the Company, withdrawals of such demands and any other instruments served on the Company and any material correspondence received by the Company in connection with such demands, and the Company shall have the right to direct all negotiations and proceedings with respect to such demands; *provided* that Parent shall have the right to participate in such negotiations and proceedings. Neither the Parent nor the Company shall, except with the prior written consent of the other Party, voluntarily make any payment with respect to, or settle or offer to settle, any such demands, or approve any withdrawal of any such demands or agree to do any of the foregoing.

1.10 **Further Action.** If, at any time after the Effective Time, any further action is determined by the Surviving Corporation to be necessary or desirable to carry out the purposes of this Agreement or to vest the Surviving Corporation with full right, title and possession of and to all rights and property of the Company, then the officers and directors of the Surviving Corporation shall be fully authorized, and shall use their and its commercially reasonable efforts (in the name of the Company, in the name of Merger Sub, in the name of the Surviving Corporation and otherwise) to take such action.

1.11 **Withholding.** The Parties and the Exchange Agent shall be entitled to deduct and withhold from the consideration otherwise payable pursuant to this Agreement to any holder of Company Capital Stock or any other Person such amounts as such Party or the Exchange Agent is required to deduct and withhold under the Code or any other Law with respect to the making of such payment. The payor shall provide commercially reasonable notice to the payee upon becoming aware of any such withholding obligation, and the Parties shall cooperate with each other to the extent reasonable to obtain reduction of or relief from such withholding. To the extent that amounts are so deducted and withheld and paid to the appropriate Person, such deducted and withheld amounts shall be treated for all purposes of this Agreement as having been paid to the Person in respect of whom such deduction and withholding was made.

1.12 **Calculation of Parent Cash Amount.**

(a) For the purposes of this Agreement, the “**Determination Date**” shall be the date that is 10 Business Days prior to the anticipated date for Closing, as agreed upon by Parent and the Company at least five Business Days prior to the Parent Stockholders’ Meeting (the “**Anticipated Closing Date**”). Within five Business Days following the Determination Date, Parent shall deliver to the Company a schedule (the “**Parent Cash Schedule**”) setting forth, in reasonable detail, Parent’s good faith, estimated calculation of the Parent Cash Amount (using an estimate of the Parent Transaction Expenses, Parent’s accrued investment interest receivable, prepaid refundable deposits, accounts payable and accrued expenses, in each case as of the Anticipated Closing Date and determined in a manner substantially consistent with the manner in which such items were determined for Parent’s most recent SEC filings) (the “**Parent Cash Calculation**”) as of the Anticipated Closing Date prepared and certified by Parent’s principal accounting officer). Parent shall make the work papers and back-up materials used or useful in preparing the Parent Cash Schedule, as reasonably requested by the Company, available to the Company and, if requested by the Company, its accountants and counsel at reasonable times and upon reasonable notice. The Company shall deliver invoices evidencing the Combined Transaction Expenses to Parent no later than seven Business Days prior to Closing.

(b) Within three calendar days following delivery (the “**Response Date**”) of the Parent Cash Schedule to the Company, the Company will have the right to dispute any part of such Parent Cash Schedule by delivering a written notice to that effect (a “**Dispute Notice**”) to Parent. Any Dispute Notice shall identify in reasonable detail the nature of any proposed revisions to the Parent Cash Calculation.

(c) If on or prior to the Response Date, (i) the Company notifies Parent in writing that it has no objections to the Parent Cash Calculation or (ii) the Company fails to deliver a Dispute Notice as provided in Section 1.12(b), then the Parent Cash Calculation as set forth in the Parent Cash Schedule shall be deemed to have been finally determined for purposes of this Agreement and to represent the Parent Cash Amount at the Anticipated Closing Date for purposes of this Agreement.

(d) If the Company delivers a Dispute Notice on or prior to the Response Date, then Representatives of Parent and the Company shall promptly meet and attempt in good faith to resolve the disputed item(s) and negotiate an agreed-upon determination of the Parent Cash Amount, which agreed upon the Parent Cash Amount shall be deemed to have been finally determined for purposes of this Agreement and to represent the Parent Cash Amount at the Anticipated Closing Date for purposes of this Agreement.

(e) If Representatives of Parent and the Company are unable to negotiate an agreed-upon determination of the Parent Cash Amount at the Anticipated Closing Date pursuant to Section 1.12(d) within three calendar days after delivery of the Dispute Notice (or such other period as Parent and the Company may mutually agree upon), then Parent and the Company shall jointly select an independent auditor of recognized national standing (the “**Accounting Firm**”) to resolve any remaining disagreements as to the Parent Cash Calculation. Parent shall promptly deliver to the Accounting Firm the work papers and back-up materials used in preparing the Parent Cash Schedule, and Parent and the Company shall use commercially reasonable efforts to cause the Accounting Firm to make its determination within 10 calendar days of accepting its selection. The Company and Parent shall be afforded the opportunity to present to the Accounting Firm any material related to the unresolved disputes and to discuss the issues with the Accounting Firm; *provided, however*, that no such presentation or discussion shall occur without the presence of a Representative of each of the Company and Parent. The determination of the Accounting Firm shall be limited to the disagreements submitted to the Accounting Firm. The determination of the amount of the Parent Cash Amount made by the Accounting Firm shall be deemed to have been finally determined for purposes of this Agreement and to represent the Parent Cash Amount at the Anticipated Closing Date for purposes of this Agreement, and the Parties shall delay the Closing until the resolution of the matters described in this Section 1.12(e). The fees and expenses of the Accounting Firm shall be allocated between Parent and the Company in the same proportion that the disputed amount of the Parent Cash Amount that was unsuccessfully disputed by such Party (as finally determined by the Accounting Firm) bears to the total disputed amount of the Parent Cash Amount (and for the avoidance of doubt the fees and expenses to be paid by Parent shall reduce the Parent Cash Amount). If this Section 1.12(e) applies as to the determination of the Parent Cash Amount at the Anticipated Closing Date described in Section 1.12(a), upon resolution of the matter in accordance with this Section 1.12(e), the Parties shall not be required to determine the Parent Cash Amount again even though the Closing Date may occur later than the Anticipated Closing Date, except that either Party may request a redetermination of the Parent Cash Amount if the Closing Date is more than five Business Days after the Anticipated Closing Date.

1.13 **Calculation of Company Cash Amount.**

(a) Within five Business Days following the Determination Date, the Company shall deliver to Parent a schedule (the “**Company Cash Schedule**”) setting forth, in reasonable detail, the Company’s good faith, estimated calculation of the Company Cash Amount in accordance with GAAP (the “**Company Cash Calculation**”) as of the Anticipated Closing Date prepared and certified by the Company’s Chief Financial Officer. The Company shall make the work papers and back-up materials used or useful in preparing the Company Cash Schedule, as reasonably requested by Parent, available to Parent and, if requested by Parent, its accountants and counsel at reasonable times and upon reasonable notice.

(b) By the Response Date, Parent will have the right to dispute any part of such Company Cash Schedule by delivering a Dispute Notice. Any Dispute Notice shall identify in reasonable detail the nature of any proposed revisions to the Company Cash Calculation.

(c) If on or prior to the Response Date, (i) Parent notifies the Company in writing that it has no objections to the Company Cash Calculation or (ii) Parent fails to deliver a Dispute Notice as provided in Section 1.13(b), then the Parent Cash Calculation as set forth in the Company Cash Schedule shall be deemed to have been finally determined for purposes of this Agreement and to represent the Company Cash Amount at the Anticipated Closing Date for purposes of this Agreement.

(d) If Parent delivers a Dispute Notice on or prior to the Response Date, then Representatives of the Company and Parent shall promptly meet and attempt in good faith to resolve the disputed item(s) and negotiate an agreed-upon determination of the Company Cash Amount, which agreed upon the Company Cash Amount shall be deemed to have been finally determined for purposes of this Agreement and to represent the Company Cash Amount at the Anticipated Closing Date for purposes of this Agreement.

(e) If Representatives of the Company and Parent are unable to negotiate an agreed-upon determination of Company Cash Amount at the Anticipated Closing Date pursuant to Section 1.13(d) within three calendar days after delivery of the Dispute Notice (or such other period as the Company and Parent may mutually agree upon), then the Company and Parent shall jointly select the Accounting Firm to resolve any remaining disagreements as to the Company Cash Calculation. The Company shall promptly deliver to the Accounting Firm the work papers and back-up materials used in preparing the Company Cash Schedule, and the Company and Parent shall use commercially reasonable efforts to cause the Accounting Firm to make its determination within 10 calendar days of accepting its selection. Parent and the Company shall be afforded the opportunity to present to the Accounting Firm any material related to the unresolved disputes and to discuss the issues with the Accounting Firm; *provided, however*, that no such presentation or discussion shall occur without the presence of a Representative of each of Parent and the Company. The determination of the Accounting Firm shall be limited to the disagreements submitted to the Accounting Firm. The determination of the amount of the Company Cash Amount made by the Accounting Firm shall be deemed to have been finally determined for purposes of this Agreement and to represent the Company Cash Amount at the Anticipated Closing Date for purposes of this Agreement, and the Parties shall delay the Closing until the resolution of the matters described in this Section 1.13(e). The fees and expenses of the Accounting Firm shall be allocated between the Company and Parent in the same proportion that the disputed amount of the Company Cash Amount that was unsuccessfully disputed by such Party (as finally determined by the Accounting Firm) bears to the total disputed amount of the Company Cash Amount (and for the avoidance of doubt the fees and expenses to be paid by the Company shall reduce the Company Cash Amount). If this Section 1.13(e) applies as to the determination of the Company Cash Amount at the Anticipated Closing Date described in Section 1.13(a), upon resolution of the matter in accordance with this Section 1.12(e), the Parties shall not be required to determine the Company Cash Amount again even though the Closing Date may occur later than the Anticipated Closing Date, except that either Party may request a redetermination of the Company Cash Amount if the Closing Date is more than five Business Days after the Anticipated Closing Date.

Section 2. REPRESENTATIONS AND WARRANTIES OF THE COMPANY

Subject to Section 10.13(h), except as set forth in the disclosure schedule delivered by the Company to Parent (the “**Company Disclosure Schedule**”), the Company represents and warrants to Parent and Merger Sub as follows:

2.1 **Due Organization; Subsidiaries.**

(a) The Company is a corporation or other legal entity duly incorporated, validly existing and in good standing under the Laws of Delaware and has all necessary corporate power and authority: (i) to conduct its business in the manner in which its business is currently being conducted; (ii) to own or lease and use its property and assets in the manner in which its property and assets are currently owned or leased and used; and (iii) to perform its obligations under all Contracts by which it is bound.

(b) The Company is duly licensed and qualified to do business, and is in good standing (to the extent applicable in such jurisdiction), under the Laws of all jurisdictions where the nature of its business requires such licensing or qualification other than in jurisdictions where the failure to be so qualified individually or in the aggregate would not be reasonably expected to have a Company Material Adverse Effect.

(c) The Company has no Subsidiaries, except for the Entities identified in Section 2.1(c) of the Company Disclosure Schedule; and neither the Company nor any of the Entities identified in Section 2.1(c) of the Company Disclosure Schedule owns any capital stock of, or any equity, ownership or profit sharing interest of any nature in, or controls directly or indirectly, any other Entity other than the Entities identified in Section 2.1(c) of the Company Disclosure Schedule. Each of the Company's Subsidiaries is a corporation or other legal entity duly organized, validly existing and, if applicable, in good standing under the Laws of the jurisdiction of its organization and has all necessary corporate or other power and authority to conduct its business in the manner in which its business is currently being conducted and to own or lease and use its property and assets in the manner in which its property and assets are currently owned or leased and used, except where the failure to have such power or authority would not be reasonably expected to have a Company Material Adverse Effect.

(d) Neither the Company nor any of its Subsidiaries is or has otherwise been, directly or indirectly, a party to, member of or participant in any partnership, joint venture or similar business entity. Neither the Company nor any of its Subsidiaries has agreed or is obligated to make, or is bound by any Contract under which it may become obligated to make, any future investment in or capital contribution to any other Entity. Neither the Company nor any of its Subsidiaries has, at any time, been a general partner of, or has otherwise been liable for any of the debts or other obligations of, any general partnership, limited partnership or other Entity.

2.2 **Organizational Documents.** The Company has made available to Parent accurate and complete copies of the Organizational Documents of the Company and each of its Subsidiaries in effect as of the date of this Agreement. Neither the Company nor any of its Subsidiaries is in material breach or violation of its respective Organizational Documents.

2.3 **Authority; Binding Nature of Agreement.**

(a) The Company has all necessary corporate power and authority to enter into and to perform its obligations under this Agreement and, subject to receipt of the Required Company Stockholder Vote, to perform its obligations hereunder and to consummate the Contemplated Transactions. The Company Board (at meetings duly called and held) has (i) determined that the Contemplated Transactions are fair to, advisable and in the best interests of the Company and its stockholders, (ii) approved and declared advisable this Agreement and the Contemplated Transactions and (iii) determined to recommend, upon the terms and subject to the conditions set forth in this Agreement, that the stockholders of the Company vote in favor of the Company Stockholder Matters.

(b) This Agreement has been duly executed and delivered by the Company and assuming the due authorization, execution and delivery by Parent and Merger Sub, constitutes the legal, valid and binding obligation of the Company, enforceable against the Company in accordance with its

terms, subject to the Enforceability Exceptions. Prior to the execution of the Company Stockholder Support Agreements, the Company Board approved the Company Stockholder Support Agreements and the transactions contemplated thereby.

2.4 **Vote Required.** The affirmative vote (or written consent) of (a) the holders of a majority of the shares of Company Common Stock and Company Preferred Stock, voting as a single class, (b) the holders of at least 60% of the shares of Company Preferred Stock, voting together as a single class, (c) the holders of at least a majority of the outstanding shares of Series A Preferred Stock, voting as a single class, (d) the holders of at least a majority of the outstanding shares of Series B Preferred Stock and Series B-2 Preferred Stock, voting together as a single class, and (e) the holders of at least 70% of the shares of Series C Preferred Stock, voting as a single class, in each case, outstanding on the record date for the written consent in lieu of a meeting pursuant to Section 228 of the DGCL approving the Company Stockholder Matters, in a form reasonably acceptable to Parent (collectively, the **Company Stockholder Written Consent**) and entitled to vote thereon (collectively, the **Required Company Stockholder Vote**), is the only vote (or written consent) of the holders of any class or series of Company Capital Stock necessary to adopt and approve the Company Stockholder Matters.

2.5 **Non-Contravention; Consents.** Subject to obtaining the Required Company Stockholder Vote, the filing of the Certificate of Merger required by the DGCL, and the expiration or termination of any waiting period under the HSR Act, and any applicable foreign competition Laws, neither (x) the execution, delivery or performance of this Agreement by the Company, nor (y) the consummation of the Contemplated Transactions, will directly or indirectly (with or without notice or lapse of time):

- (a) contravene, conflict with or result in a violation of any of the provisions of the Company's Organizational Documents;
- (b) contravene, conflict with or result in a material violation of, or to the Knowledge of the Company give any Governmental Body or other Person the right to challenge the Contemplated Transactions or to exercise any material remedy or obtain any material relief under, any Law or any order, writ, injunction, judgment or decree to which the Company or its Subsidiaries, or any of the assets owned or used by the Company or its Subsidiaries, is subject, except as would not reasonably be expected to be material to the Company or its business;
- (c) contravene, conflict with or result in a violation of any of the terms or requirements of, or give any Governmental Body the right to revoke, withdraw, suspend, cancel, terminate or modify, any Governmental Authorization that is held by the Company or its Subsidiaries, except as would not reasonably be expected to be material to the Company or its business;
- (d) contravene, conflict with or result in a violation or breach of, or result in a default under, any provision of any Company Material Contract, or give any Person the right to: (i) declare a default or exercise any remedy under any Company Material Contract; (ii) any material payment, rebate, chargeback, penalty or change in delivery schedule under any Company Material Contract; (iii) accelerate the maturity or performance of any Company Material Contract; or (iv) cancel, terminate or modify any term of any Company Material Contract, except in the case of any non-material breach, default, penalty or modification; or
- (e) result in the imposition or creation of any Encumbrance upon or with respect to any material asset owned or used by the Company or its Subsidiaries (except for Permitted Encumbrances).

Except for (i) any Consent set forth on Section 2.5 of the Company Disclosure Schedule under any Company Contract, (ii) the Required Company Stockholder Vote, (iii) the filing of the Certificate of Merger with the Secretary of State of the State of Delaware pursuant to the DGCL, and (iv) such consents, waivers, approvals, orders, authorizations, registrations, declarations and filings as may be required under applicable federal and state securities Laws, neither the Company nor any of its Subsidiaries is or will be required to make any filing with or give any notice to, or to obtain any Consent from, any Person in connection with (A) the execution, delivery or performance of this Agreement, the Company Stockholder Support Agreements, and the Company Lock-up Agreements or (B) the consummation of the Contemplated Transactions, which if individually or in the aggregate were not given or obtained, would reasonably be expected to prevent or materially delay the ability of Parent and Merger Sub to consummate the Contemplated Transactions. The Company Board has taken and will take all actions necessary to ensure that the restrictions applicable to business combinations contained in Section 203 of the DGCL are, and will be, inapplicable to the execution, delivery and performance of this Agreement, the Company Stockholder Support Agreements, the Company Lock-Up Agreements and to the consummation of the Contemplated Transactions. No other state takeover statute or similar Law applies or purports to apply to the Merger, this Agreement, the Company Stockholder Support Agreements, the Company Lock-Up Agreements or any of the Contemplated Transactions.

2.6 Capitalization.

(a) The authorized Company Capital Stock as of the date of this Agreement consists of (i) 200,000,000 shares of Company Common Stock, par value \$0.0001 per share, of which 51,282,780 shares have been issued and are outstanding as of the date of this Agreement and 882,388 shares of are held by the Company as treasury shares as of the date of this Agreement, and (ii) 130,099,288 shares of preferred stock, par value \$0.0001 per share (the “**Company Preferred Stock**”), of which 111,034,576 have been issued and are outstanding as of the date of this Agreement, consisting of 13,560,000 shares of Series A Preferred Stock, 6,750,721 shares of Series B Preferred Stock, 56,723,855 shares of Series B-2 Preferred Stock and 34,000,000 shares of Series C Preferred Stock. Company Warrants to purchase 5,064,712 shares of Series B-2 Preferred Stock are issued and outstanding as of the date of this Agreement. Section 2.6(a) of the Company Disclosure Schedule lists, as of the date of this Agreement (A) each record holder of issued and outstanding Company Capital Stock and the number and type of shares of Company Capital Stock held by such holder; and (B)(1) each holder of issued and outstanding Company Warrants, (2) the number and type of shares subject to each Company Warrant, (3) the exercise price of each Company Warrant and (4) the termination date of each Company Warrant.

(b) All of the outstanding shares of Company Common Stock and Company Preferred Stock have been duly authorized and validly issued, and are fully paid and nonassessable. Except as set forth in the Company Bylaws or Investor Agreements, none of the outstanding shares of Company Capital Stock is entitled or subject to any preemptive right, right of participation, right of maintenance or any similar right and none of the outstanding shares of Company Capital Stock is subject to any right of first refusal in favor of the Company. Except as contemplated herein and in the Company Bylaws and Investor Agreements, there is no Company Contract relating to the voting or registration of, or restricting any Person from purchasing, selling, pledging or otherwise disposing of (or granting any option or similar right with respect to), any shares of Company Capital Stock. The Company is not under any obligation, nor is it bound by any Contract pursuant to which it may become obligated, to repurchase, redeem or otherwise acquire any outstanding shares of Company Capital Stock or other securities. Section 2.6(b) of the Company Disclosure Schedule accurately and completely lists all repurchase or forfeiture rights held by the Company with respect to shares of Company Capital Stock (including shares issued pursuant to the exercise of stock options). Each share of Company Preferred Stock is convertible into one share of Company Common Stock.

(c) Except for as described in Section 2.6(c) of the Company Disclosure Schedule, the Company does not have any stock option plan or any other plan, program, agreement or arrangement providing for any equity-based compensation for any Person. As of the date of this Agreement, the Company has reserved 8,600,000 shares of Company Common Stock for issuance under the Company Plans, of which 6,843,251 shares have been issued and are currently outstanding, 7,509,919 shares have been reserved for issuance upon exercise of Company Options previously granted under the Company Plans, and 1,090,081 shares of Company Common Stock remain available for future issuance of awards pursuant to the Company Plans. Section 2.6(c) of the Company Disclosure Schedule sets forth the following information with respect to each Company Option outstanding as of the date of this Agreement: (i) the name of the optionee; (ii) the number of shares of Company Common Stock subject to such Company Option at the time of grant; (iii) the number of shares of Company Common Stock subject to such Company Option as of the date of this Agreement; (iv) the exercise price of such Company Option; (v) the date on which such Company Option was granted; (vi) the applicable vesting schedule, including the number of vested and unvested shares as of the date of this Agreement and any acceleration provisions; (vii) the date on which such Company Option expires; and (viii) whether such Company Option is intended to constitute an “incentive stock option” (as defined in the Code) or a non-qualified stock option. The Company has made available to Parent an accurate and complete copy of the Company Plans and the form of stock option agreement used to evidence outstanding options granted thereunder.

(d) Except for Company Warrants, and the Company Options set forth on Section 2.6(c) of the Company Disclosure Schedule, there is no: (i) outstanding subscription, option, call, warrant or right (whether or not currently exercisable) to acquire any shares of the capital stock or other securities of the Company or any of its Subsidiaries; (ii) outstanding security, instrument or obligation that is or may become convertible into or exchangeable for any shares of the capital stock or other securities of the Company or any of its Subsidiaries; or (iii) condition or circumstance that is reasonably likely to give rise to or provide a basis for the assertion of a claim by any Person to the effect that such Person is entitled to acquire or receive any shares of capital stock or other securities of the Company or any of its Subsidiaries. There are no outstanding or authorized stock appreciation, phantom stock, profit participation or other similar rights with respect to the Company or any of its Subsidiaries.

(e) All outstanding shares of Company Common Stock, Company Preferred Stock, Company Options, Company Warrants, and other securities of the Company have been issued and granted in material compliance with (i) all applicable securities Laws and other applicable Law, and (ii) all requirements set forth in applicable Contracts.

2.7 **Financial Statements.**

(a) Concurrently with the execution hereof, the Company has provided to Parent true and complete copies of (i) the Company’s audited consolidated balance sheets at December 31, 2017 and 2016 together with related audited consolidated statements of income, stockholders’ equity and cash flows, and notes thereto, of the Company for the fiscal years then ended and (ii) the Company Unaudited Interim Balance Sheet, together with the unaudited consolidated statements of income, stockholders’ equity and cash flows of the Company for the period reflected in the Company Unaudited Interim Balance Sheet (collectively, the “***Company Financials***”). The Company Financials were prepared in accordance with GAAP (except as may be indicated in the notes to such financial statements and except that the unaudited financial statements may not contain footnotes and are subject to normal and recurring year-end adjustments, none of which are material) and fairly present, in all material respects, the financial position and operating results of the Company and its consolidated Subsidiaries as of the dates and for the periods indicated therein.

(b) Each of the Company and its Subsidiaries maintains accurate books and

records reflecting their assets and liabilities and maintains a system of internal accounting controls designed to provide reasonable assurance that: (i) transactions are executed in accordance with management's general or specific authorizations; (ii) transactions are recorded as necessary to permit preparation of the financial statements of the Company and its Subsidiaries and to maintain accountability of the Company's and its Subsidiaries' assets; (iii) access to the Company's and its Subsidiaries' assets is permitted only in accordance with management's general or specific authorization; (iv) the recorded accountability for the Company's and its Subsidiaries' assets is compared with the existing assets at regular intervals and appropriate action is taken with respect to any differences; and (v) accounts, notes and other receivables and inventory are recorded accurately, and proper and adequate procedures are implemented to effect the collection thereof on a current and timely basis. The Company and each of its Subsidiaries maintains internal control over financial reporting that provides reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes.

(c) Section 2.7(c) of the Company Disclosure Schedule lists, and the Company has delivered to Parent accurate and complete copies of the documentation creating or governing, all securitization transactions and "off-balance sheet arrangements" (as defined in Item 303(c) of Regulation S-K under the Exchange Act) effected by the Company or any of its Subsidiaries since January 1, 2016.

(d) Since January 1, 2016, there have been no formal internal investigations regarding financial reporting or accounting policies and practices discussed with, reviewed by or initiated at the direction of the chief executive officer, chief financial officer or general counsel of the Company, the Company Board or any committee thereof. Since January 1, 2016, neither the Company nor its independent auditors have identified (i) any significant deficiency or material weakness in the design or operation of the system of internal accounting controls utilized by the Company and its Subsidiaries, (ii) any fraud, whether or not material, that involves the Company, any of its Subsidiaries, the Company's management or other employees who have a role in the preparation of financial statements or the internal accounting controls utilized by the Company and its Subsidiaries or (iii) any claim or allegation regarding any of the foregoing.

2.8 **Absence of Changes.** Except as set forth on Section 2.8 of the Company Disclosure Schedule, between the date of the Company Unaudited Interim Balance Sheet and the date of this Agreement, the Company has conducted its business only in the Ordinary Course of Business (except for the execution and performance of this Agreement and the discussions, negotiations and transactions related thereto) and there has not been any (a) Company Material Adverse Effect or (b) action, event or occurrence that would have required consent of Parent pursuant to Section 4.2(b) had such action, event or occurrence taken place after the execution and delivery of this Agreement.

2.9 **Absence of Undisclosed Liabilities.** As of the date hereof, neither the Company nor any of its Subsidiaries has any liability, indebtedness, obligation or expense of any kind, whether accrued, absolute, contingent, matured or unmatured (each a "***Liability***"), individually or in the aggregate, of a type required to be recorded or reflected on a balance sheet or disclosed in the footnotes thereto under GAAP, except for: (a) Liabilities disclosed, reflected or reserved against in the Company Unaudited Interim Balance Sheet; (b) Liabilities that have been incurred by the Company or its Subsidiaries since the date of the Company Unaudited Interim Balance Sheet in the Ordinary Course of Business; (c) Liabilities for performance of obligations of the Company or any of its Subsidiaries under Company Contracts; (d) Liabilities incurred in connection with the Contemplated Transactions; (e) Liabilities which would not, individually or in the aggregate, reasonably be expected to be material to the Company; and (f) Liabilities described in Section 2.9 of the Company Disclosure Schedule.

2.10 **Title to Assets.** Each of the Company and its Subsidiaries owns, and has good and valid title to, or, in the case of leased properties and assets, valid leasehold interests in, all tangible properties or tangible assets and equipment used or held for use in its business or operations or purported to be owned

by it that are material to the Company or its business, including: (a) all tangible assets reflected on the Company Unaudited Interim Balance Sheet; and (b) all other tangible assets reflected in the books and records of the Company or any of its Subsidiaries as being owned by the Company or such Subsidiary. All of such assets are owned or, in the case of leased assets, leased by the Company or any of its Subsidiaries free and clear of any Encumbrances, other than Permitted Encumbrances.

2.11 **Real Property; Leasehold.** Neither the Company nor any of its Subsidiaries owns or has ever owned any real property. The Company has made available to Parent (a) an accurate and complete list of all real properties with respect to which the Company directly or indirectly holds a valid leasehold interest as well as any other real estate that is in the possession of or leased by the Company or any of its Subsidiaries, and (b) copies of all leases under which any such real property is possessed (the “**Company Real Estate Leases**”), each of which is in full force and effect, with no existing material default thereunder. The Company’s use and operation of each such leased property conforms to all applicable Laws in all material respects, and the Company has exclusive possession of each such leased property and has not granted any occupancy rights to tenants or licensees with respect to such leased property. In addition, each such leased property is free and clear of all Encumbrances other than Permitted Encumbrances.

2.12 **Intellectual Property.**

(a) Section 2.12(a) of the Company Disclosure Schedule identifies each item of material Company IP, including, with respect to each patent and patent application: (i) the name of the applicant/registrant, (ii) the jurisdiction of application/registration, (iii) the application or registration number and (iv) any other co-owners. To the Knowledge of the Company, each of the patents and patent applications included in Section 2.12(a) of the Company Disclosure Schedule properly identifies by name each and every inventor of the inventions claimed therein as determined in accordance with applicable Laws of the United States. To the knowledge of the Company, as of the date of this Agreement, no cancellation, interference, opposition, reissue, reexamination or other proceeding of any nature (other than office actions or similar communications issued by any Governmental Body in the ordinary course of prosecution of any pending applications for registration) is pending or threatened in writing, in which the scope, validity, enforceability or ownership of any Company IP is being or has been contested or challenged.

(b) Except as has not had and would not reasonably be expected to have, individually or in the aggregate, a Company Material Adverse Effect, the Company or its Subsidiaries owns, is the assignee of, or has licensed all material Company IP (other than as disclosed on Section 2.12(b) of the Company Disclosure Schedule), free and clear of all Encumbrances other than Permitted Encumbrances. To the Knowledge of the Company, each Company Associate involved in the creation or development of any material Company IP, pursuant to such Company Associate’s activities on behalf of the Company or its Subsidiaries, has signed a written agreement containing an assignment of such Company Associate’s rights in such Company IP to the Company or its Subsidiaries and confidentiality provisions protecting the Company IP.

(c) Except as set forth in Section 2.12(d) of the Company Disclosure Schedule, to the Knowledge of the Company, no funding, facilities or personnel of any Governmental Body or any university, college, research institute or other educational institution has been used to create Company IP, except for any such funding or use of facilities or personnel that does not result in such Governmental Body or institution obtaining ownership rights to such Company IP or the right to receive royalties for the practice of such Company IP.

(d) Section 2.12(d) of the Company Disclosure Schedule sets forth each license agreement pursuant to which the Company (i) is granted a license under any material Intellectual Property Right owned by any third party that is used by the Company or its Subsidiaries in its business as currently conducted (each a “**Company In-bound License**”) or (ii) grants to any third party a license under any material Company IP or material Intellectual Property Right licensed to the Company or its Subsidiaries under a Company In-bound License (each a “**Company Out-bound License**”) (provided, that, Company In-bound Licenses shall not include, when entered into in the ordinary course of business, material transfer agreements, clinical trial agreements, agreements with Company Associates, services agreements, non-disclosure agreements, commercially available Software-as-a-Service offerings, off-the-shelf software licenses or generally available patent license agreements; and Company Out-bound Licenses shall not include, when entered into in the ordinary course of business, material transfer agreements, clinical trial agreements, services agreements, non-disclosure agreements, or non-exclusive outbound licenses).

(e) To the Knowledge of the Company: (i) the operation of the businesses of the Company and its Subsidiaries as currently conducted does not infringe, misappropriate or otherwise violate any valid and enforceable United States patent that is not included on Section 2.12(a) of the Company Disclosure Schedule and (ii) no other Person is infringing, misappropriating or otherwise violating any Company IP. No Legal Proceeding is pending (or, to the Knowledge of the Company, is threatened in writing) (A) against the Company or its Subsidiaries alleging that the operation of the businesses of the Company or its Subsidiaries infringes or constitutes the misappropriation or other violation of any Intellectual Property Rights of another Person or (B) by the Company or its Subsidiaries alleging that another Person has infringed, misappropriated or otherwise violated any of the Company IP or any Intellectual Property Rights exclusively licensed to the Company or its Subsidiaries. Since January 1, 2017, neither the Company nor its Subsidiaries has received any written notice or other written communication alleging that the operation of the business of the Company or its Subsidiaries infringes or constitutes the misappropriation or other violation of any Intellectual Property Right of another Person.

(f) None of the Company IP or, to the Knowledge of the Company, any material Intellectual Property Rights exclusively licensed to the Company or its Subsidiaries is subject to any pending or outstanding injunction, directive, order, judgment or other disposition of dispute that adversely and materially restricts the use, transfer, registration or licensing by the Company or its Subsidiaries of any such Company IP or material Intellectual Property Rights exclusively licensed to the Company or its Subsidiaries.

(g) To the Knowledge of the Company, the Company, its Subsidiaries and the operation of the Company’s and its Subsidiaries’ business are in substantial compliance with all Laws pertaining to data privacy and data security of any personally identifiable information and sensitive business information (collectively, “**Sensitive Data**”) except to the extent that such noncompliance has not and would not reasonably be expected to have a Company Material Adverse Effect. To the Knowledge of the Company, since January 1, 2017, there have been (i) no material losses or thefts of data or security breaches relating to Sensitive Data used in the business of the Company or its Subsidiaries, (ii) no violations of any security policy of the Company regarding any such Sensitive Data used in the business of the Company or its Subsidiaries, and (iii) no unauthorized access, unauthorized use or unintended or improper disclosure of any Sensitive Data used in the business of the Company or its Subsidiaries, in each case of (i) through (iii), except as would not reasonably be expected to, individually or in the aggregate, have a Company Material Adverse Effect.

2.13 Agreements, Contracts and Commitments.

(a) Section 2.13(a) of the Company Disclosure Schedule lists the following Company Contracts in effect as of the date of this Agreement other than any Benefit Plans (each, a “*Company Material Contract*” and collectively, the “*Company Material Contracts*”):

- (i) each Company Contract relating to any agreement of indemnification or guaranty not entered into in the Ordinary Course of Business;
- (ii) each Company Contract containing (A) any covenant limiting the freedom of the Company, its Subsidiaries or the Surviving Corporation to engage in any line of business or compete with any Person, (B) any most-favored pricing arrangement, (C) any exclusivity provision, or (D) any non-solicitation provision with respect to employees of other Persons, in each case, except for restrictions that would not materially affect the ability of the Company to conduct its business;
- (iii) each Company Contract relating to capital expenditures and requiring payments after the date of this Agreement in excess of \$250,000 pursuant to its express terms and not cancelable without penalty;
- (iv) each Company Contract relating to the disposition or acquisition of material assets or any ownership interest in any Entity, in each case, involving payments in excess of \$250,000, other than Company Contracts in which the applicable acquisition or disposition has been consummated and there are no material ongoing obligations;
- (v) each Company Contract relating to any mortgages, indentures, loans, notes or credit agreements, security agreements or other agreements or instruments relating to the borrowing of money or extension of credit or creating any material Encumbrances with respect to any assets of the Company or any of its Subsidiaries or any loans or debt obligations with officers or directors of the Company, in each case, having an outstanding principal in an amount in excess of \$250,000.;
- (vi) each Company Contract requiring payment by or to the Company after the date of this Agreement in excess of \$250,000 pursuant to its express terms relating to: (A) any distribution agreement (identifying any that contain exclusivity provisions); (B) any agreement involving provision of services or products with respect to any pre-clinical or clinical development activities of the Company; (C) any dealer, distributor, joint marketing, alliance, joint venture, cooperation, development or other agreement currently in force under which the Company has continuing obligations to develop or market any product, technology or service, or any agreement pursuant to which the Company has continuing obligations to develop any Intellectual Property Rights that will not be owned, in whole or in part, by the Company; or (D) any Contract to license any third party to manufacture or produce any product, service or technology of the Company or any Contract to sell, distribute or commercialize any products or service of the Company, in each case, except for Company Contracts entered into in the Ordinary Course of Business;
- (vii) each Company Contract with any financial advisor, broker, finder, investment banker or other similar Person, providing advisory services to the Company in connection with the Contemplated Transactions;
- (viii) each Company Real Estate Lease;
- (ix) each Company Contract with any Governmental Body (other than clinical trial agreements for clinical trial studies);

(x) each Company Out-bound License and Company In-bound License;

(xi) each Company Contract containing any royalty, dividend or similar arrangement based on the revenues or profits of the Company or any of its Subsidiaries;

(xii) each Company Contract, offer letter, employment agreement, or independent contractor agreement with any employee, consultant or independent contractor that (A) is not terminable by the Company without less than 60 days notice, severance, or other cost or liability, or (B) provides for retention payments, change of control payments, severance, accelerated vesting, or any payment or benefit that may or will become due as a result of the Merger (whether alone or in connection with any other event); or

(xiii) any other Company Contract that is not terminable at will (with no penalty or payment) by the Company or its Subsidiaries, as applicable, and (A) which involves payment or receipt by the Company or its Subsidiaries after the date of this Agreement under any such agreement, contract or commitment of more than \$250,000 in the aggregate, or obligations after the date of this Agreement in excess of \$250,000 in the aggregate, or (B) that is material to the business or operations of the Company and its Subsidiaries, taken as a whole.

(b) The Company has delivered or made available to Parent accurate and complete copies of all Company Material Contracts, including all amendments thereto. Except as set forth in Section 2.13(b) of the Company Disclosure Schedule, there are no Company Material Contracts that are not in written form. Neither the Company nor any of its Subsidiaries has, nor to the Company's Knowledge, as of the date of this Agreement has any other party to a Company Material Contract, breached, violated or defaulted under, or received notice that it breached, violated or defaulted under, any of the terms or conditions of any Company Material Contract in such manner as would permit any other party to cancel or terminate any such Company Material Contract, or would permit any other party to seek damages which would reasonably be expected to be material to the Company or its business. As to the Company and its Subsidiaries, as of the date of this Agreement, each Company Material Contract is valid, binding, enforceable and in full force and effect, subject to the Enforceability Exceptions. No Person is renegotiating, or has a right pursuant to the terms of any Company Material Contract to change, any material amount paid or payable to the Company under any Company Material Contract or any other material term or provision of any Company Material Contract.

2.14 **Compliance; Permits; Restrictions.**

(a) The Company and each of its Subsidiaries are, and since January 1, 2016 have been, in compliance in all material respects with all applicable Laws, including the Federal Food, Drug, and Cosmetic Act ("**FDCA**"), the Food and Drug Administration ("**FDA**") regulations adopted thereunder, the Public Health Service Act and any other similar Law administered or promulgated by the FDA or other comparable Governmental Body responsible for regulation of the development, clinical testing, manufacturing, sale, marketing, distribution and importation or exportation of drug and biopharmaceutical products (each, a "**Drug Regulatory Agency**"), except for any noncompliance, either individually or in the aggregate, which would not be material to the Company. No investigation, claim, suit, proceeding, audit or other action by any Governmental Body is pending or, to the Knowledge of the Company, threatened against the Company or any of its Subsidiaries. There is no agreement, judgment, injunction, order or decree binding upon the Company or any of its Subsidiaries which (i) has or would reasonably be expected to have the effect of prohibiting or materially impairing any business practice of the Company or any of its Subsidiaries, any acquisition of material property by the Company or any of its Subsidiaries or the conduct of business by the Company or any of its Subsidiaries as currently conducted,

(ii) is reasonably likely to have an adverse effect on the Company's ability to comply with or perform any covenant or obligation under this Agreement, or
(iii) is reasonably likely to have the effect of preventing, delaying, making illegal or otherwise interfering with the Contemplated Transactions.

(b) The Company and its Subsidiaries hold all required Governmental Authorizations which are material to the operation of the business of the Company and its Subsidiaries as currently conducted (the "**Company Permits**"). Section 2.14(b) of the Company Disclosure Schedule identifies each Company Permit. Each of the Company and its Subsidiaries is in material compliance with the terms of the Company Permits. No Legal Proceeding is pending or, to the Knowledge of the Company, threatened, which seeks to revoke, limit, suspend, or materially modify any Company Permit. The rights and benefits of each Company Permit will be available to the Surviving Corporation or its Subsidiaries, as applicable, immediately after the Effective Time on terms substantially identical to those enjoyed by the Company and its Subsidiaries as of the date of this Agreement and immediately prior to the Effective Time.

(c) There are no proceedings pending or, to the Knowledge of the Company, threatened against the Company with respect to an alleged material violation by the Company or any of its Subsidiaries of the FDCA, FDA regulations adopted thereunder, the Public Health Service Act or any other similar Law administered or promulgated by any Drug Regulatory Agency.

(d) All clinical, pre-clinical and other studies and tests conducted by or on behalf of, or sponsored by, the Company or its Subsidiaries, or in which the Company or its Subsidiaries or their respective current products or product candidates have participated, were and, if still pending, are being conducted in all material respects in accordance with standard medical and scientific research procedures and in compliance in all material respects with the applicable regulations of any applicable Drug Regulatory Agency and other applicable Law, as applicable, including 21 C.F.R. Parts 50, 54, 56, 58 and 312. No preclinical or clinical trial conducted by or on behalf of the Company or any of its Subsidiaries has been terminated or suspended prior to completion for safety or non-compliance reasons. Since January 1, 2016, neither the Company nor any of its Subsidiaries has received any notices, correspondence, or other communications from any Drug Regulatory Agency requiring, or to the Knowledge of the Company threatening to initiate, the termination or suspension of any clinical studies conducted by or on behalf of, or sponsored by, the Company or any of its Subsidiaries or in which the Company or any of its Subsidiaries or their respective current products or product candidates have participated.

(e) Neither the Company nor any of its Subsidiaries is the subject of any pending or, to the Knowledge of the Company, threatened investigation in respect of its business or products by the FDA pursuant to its "Fraud, Untrue Statements of Material Facts, Bribery, and Illegal Gratuities" Final Policy set forth in 56 Fed. Reg. 46191 (September 10, 1991) and any amendments thereto. To the Knowledge of the Company, neither the Company nor any of its Subsidiaries has committed any acts, made any statement, or failed to make any statement, in each case in respect of its business or products that would violate the FDA's "Fraud, Untrue Statements of Material Facts, Bribery, and Illegal Gratuities" Final Policy, and any amendments thereto. None of the Company, any of its Subsidiaries or any of their respective officers, employees or, to the Knowledge of the Company, agents has been convicted of any crime or engaged in any conduct that could result in a debarment or exclusion (i) under 21 U.S.C. Section 335a or (ii) any similar applicable Law. No debarment or exclusionary claims, actions, proceedings or investigations in respect of their business or products are pending or, to the Knowledge of the Company, threatened against the Company, any of its Subsidiaries or any of their respective officers, employees or, to the Knowledge of the Company, agents.

(f) The Company and its Subsidiaries have complied with all Laws relating to patient, medical or individual health information, including the Health Insurance Portability and Accountability Act of 1996 and its implementing regulations promulgated thereunder, all as amended from

time to time (collectively “**HIPAA**”), including the standards for the privacy of Individually Identifiable Health Information at 45 C.F.R. Parts 160 and 164, Subparts A and E, the standards for the protection of Electronic Protected Health Information set forth at 45 C.F.R. Part 160 and 45 C.F.R. Part 164, Subpart A and Subpart C, the standards for transactions and code sets used in electronic transactions at 45 C.F.R. Part 160, Subpart A and Part 162, and the standards for Breach Notification for Unsecured Protected Health Information at 45 C.F.R. Part 164, Subpart D, all as amended from time to time. The Company and its Subsidiaries have entered into, where required, and are in compliance in all material respects with the terms of all Business Associate (as defined in HIPAA) agreements (“**Business Associate Agreements**”) to which the Company or a Subsidiary is a party or otherwise bound. The Company and its Subsidiaries have created and maintained written policies and procedures to protect the privacy of all protected health information, provide training to all employees and agents as required under HIPAA, and have implemented security procedures, including physical, technical and administrative safeguards, to protect all personal information and Protected Health Information stored or transmitted in electronic form. Neither the Company nor its Subsidiaries have received written notice from the Office for Civil Rights for the U.S. Department of Health and Human Services or any other Governmental Body of any allegation regarding its failure to comply with HIPAA or any other state law or regulation applicable to the protection of individually identifiable health information or personally identifiable information. No successful Security Incident, Breach of Unsecured Protected Health Information or breach of personally identifiable information under applicable state or federal laws have occurred with respect to information maintained or transmitted to the Company, any of its Subsidiaries, or an agent or third party subject to a Business Associate Agreement with the Company or a Subsidiary of the Company. The Company is currently submitting, receiving and handling or is capable of submitting receiving and handling transactions in accordance with the Standard Transaction Rule. All capitalized terms in this Section 2.14(f) not otherwise defined in this Agreement shall have the meanings set forth under HIPAA.

2.15 **Legal Proceedings; Orders.**

(a) As of the date of this Agreement, there is no material pending Legal Proceeding and, to the Knowledge of the Company, no Person has threatened in writing to commence any Legal Proceeding: (i) that involves (A) the Company, (B) any of its Subsidiaries, (C) any Company Associate (in his or her capacity as such) or (D) any of the material assets owned or used by the Company or its Subsidiaries; or (ii) that challenges, or that would have the effect of preventing, delaying, making illegal or otherwise interfering with, the Contemplated Transactions.

(b) Except as set forth in Section 2.15(b) of the Company Disclosure Schedule, since January 1, 2016 through the date of this Agreement, no Legal Proceeding has been pending against the Company that resulted in material liability to the Company.

(c) There is no order, writ, injunction, judgment or decree to which the Company or any of its Subsidiaries, or any of the material assets owned or used by the Company or any of its Subsidiaries, is subject. To the Knowledge of the Company, no officer of the Company or any of its Subsidiaries is subject to any order, writ, injunction, judgment or decree that prohibits such officer or employee from engaging in or continuing any conduct, activity or practice relating to the business of the Company or any of its Subsidiaries or to any material assets owned or used by the Company or any of its Subsidiaries.

2.16 **Tax Matters.**

(a) The Company and each of its Subsidiaries have timely filed all income Tax Returns and other material Tax Returns that they were required to file under applicable Law. All such Tax Returns are correct and complete in all material respects and have been prepared in compliance with

all applicable Law. No claim has ever been made by any Governmental Body in any jurisdiction where the Company or any of its Subsidiaries does not file a particular Tax Return or pay a particular Tax that the Company or such Subsidiary is subject to taxation by that jurisdiction.

(b) All income and other material Taxes due and owing by the Company or any of its Subsidiaries on or before the date hereof (whether or not shown on any Tax Return) have been fully paid. The unpaid Taxes of the Company and its Subsidiaries did not, as of the date of the Company Unaudited Interim Balance Sheet, materially exceed the reserve for Tax liability (excluding any reserve for deferred Taxes established to reflect timing differences between book and Tax items) set forth on the face of the Company Unaudited Interim Balance Sheet. Since the date of the Company Unaudited Interim Balance Sheet, neither the Company nor any of its Subsidiaries has incurred any material Liability for Taxes outside the Ordinary Course of Business.

(c) All Taxes that the Company or any of its Subsidiaries are or were required by Law to withhold or collect have been duly and timely withheld or collected in all material respects on behalf of its respective employees, independent contractors, stockholders, lenders, customers or other third parties and, have been timely paid to the proper Governmental Body or other Person or properly set aside in accounts for this purpose.

(d) There are no Encumbrances for material Taxes (other than Permitted Encumbrances) upon any of the assets of the Company or any of its Subsidiaries.

(e) No deficiencies for income or other material Taxes with respect to the Company or any of its Subsidiaries have been claimed, proposed or assessed by any Governmental Body in writing. There are no pending or ongoing, and to the Knowledge of the Company, threatened audits, assessments or other actions for or relating to any liability in respect of a material amount of Taxes of the Company or any of its Subsidiaries. Neither the Company nor any of its Subsidiaries (or any of their predecessors) has waived any statute of limitations in respect of any income or other material Taxes or agreed to any extension of time with respect to any income or other material Tax assessment or deficiency.

(f) The Company has not been a United States real property holding corporation within the meaning of Section 897(c)(2) of the Code during the applicable period specified in Section 897(c)(1)(A)(ii) of the Code.

(g) Neither the Company nor any of its Subsidiaries is a party to any Tax allocation agreement, Tax sharing agreement, Tax indemnity agreement, or similar agreement or arrangement, other than customary commercial contracts entered into in the Ordinary Course of Business the principal subject matter of which is not Taxes.

(h) Neither the Company nor any of its Subsidiaries will be required to include any material item of income in, or exclude any material item of deduction from, taxable income for any Tax period (or portion thereof) ending after the Closing Date as a result of any: (i) change in method of accounting for Tax purposes filed on or prior to the Closing Date; (ii) use of an improper method of accounting for a Tax period ending on or prior to the Closing Date; (iii) "closing agreement" as described in Section 7121 of the Code (or any similar provision of state, local or foreign Law) executed on or prior to the Closing Date; (iv) intercompany transaction or excess loss account described in Treasury Regulations under Section 1502 of the Code (or any similar provision of state, local or foreign Law) entered into on or prior to the Closing Date; (v) installment sale or open transaction disposition made on or prior to the Closing Date; (vi) prepaid amount received on or prior to the Closing Date; or (vii) election under Section 108(i) of the Code (or any similar provision of state, local or foreign Law) made on or prior to the Closing Date. The Company has not made any election under Section 965(h) of the Code.

(i) Neither the Company nor any of its Subsidiaries has ever been (i) a member of a consolidated, combined or unitary Tax group (other than such a group the common parent of which is the Company) or (ii) a party to any joint venture, partnership, or other arrangement that is treated as a partnership for U.S. federal income Tax purposes. Neither the Company nor any of its Subsidiaries has any Liability for any material Taxes of any Person (other than the Company and any of its Subsidiaries) under Treasury Regulations Section 1.1502-6 (or any similar provision of state, local, or foreign Law), or as a transferee or successor.

(j) Neither the Company nor any of its Subsidiaries has, since January 1, 2017, distributed stock of another Person, or had its stock distributed by another Person, in a transaction that was purported or intended to be governed in whole or in part by Section 355 of the Code or Section 361 of the Code (or any similar provisions of state, local or foreign Law).

(k) Neither the Company nor any of its Subsidiaries (i) is a “controlled foreign corporation” as defined in Section 957 of the Code; (ii) is a “passive foreign investment company” within the meaning of Section 1297 of the Code; (iii) has ever had a permanent establishment (within the meaning of an applicable Tax treaty) or otherwise had an office or fixed place of business in a country other than the country in which it is organized; (iv) is or was a “surrogate foreign corporation” within the meaning of Section 7874(a)(2)(B) or is treated as a U.S. corporation under Section 7874(b) of the Code; or (v) was created or organized in the U.S. such that such entity would be taxable in the U.S. as a domestic entity pursuant to the dual charter provision of Treasury Regulations Section 301.7701-5(a).

(l) Neither the Company nor any of its Subsidiaries has participated in or been a party to a transaction that, as of the date of this Agreement, constitutes a “listed transaction” that is required to be reported to the IRS pursuant to Section 6011 of the Code and applicable Treasury Regulations thereunder.

(m) Neither the Company nor any of its Subsidiaries has taken or agreed to take any action or knows of any fact that would reasonably be expected to prevent the Merger from qualifying for the Intended Tax Treatment.

For purposes of this Section 2.16, each reference to the Company or any of its Subsidiaries shall be deemed to include any Person that was liquidated into, merged with, or is otherwise a predecessor to, the Company or such Subsidiary, respectively.

2.17 **Employee and Labor Matters; Benefit Plans.**

(a) Section 2.17(a) of the Company Disclosure Schedule is a list of all Company Benefit Plans, including, without limitation, each Company Benefit Plan that provides for retirement, change in control, stay or retention, deferred compensation, incentive compensation, severance or retiree medical or life insurance benefits. “**Company Benefit Plan**” means each (i) “employee benefit plan” as defined in Section 3(3) of ERISA and (ii) other pension, retirement, deferred compensation, excess benefit, profit sharing, bonus, incentive, equity or equity-based (other than individual Company Options made pursuant to the Company’s standard forms, in which case only representative standard forms of such stock option agreements shall be scheduled), phantom equity, employment, offer letter, consulting, severance, change-of-control, retention, health, life, disability, group insurance, paid-time off, holiday, welfare and fringe benefit plan, program, agreement, contract, or arrangement (whether written or unwritten, qualified or nonqualified, funded or unfunded and including any that have been frozen), in any case, maintained, contributed to, or required to be contributed to, by the Company or any of its Subsidiaries or Company ERISA Affiliates for the benefit of any current or former employee, director, officer or independent contractor of the Company or any of its Subsidiaries or under which the Company or any of

its Subsidiaries has any actual or contingent liability (including, without limitation, as to the result of it being treated as a single employer under Code Section 414 with any other person).

(b) As applicable with respect to each Company Benefit Plan, the Company has made available to Parent, true and complete copies of (i) each Company Benefit Plan, including all amendments thereto, and in the case of an unwritten Company Benefit Plan, a written description thereof, (ii) all current trust documents, investment management contracts, custodial agreements, administrative services agreements and insurance and annuity contracts relating thereto, (iii) the current summary plan description and each summary of material modifications thereto, (iv) the most recently filed annual reports with any Governmental Body (*e.g.*, Form 5500 and all schedules thereto), (v) the most recent IRS determination, opinion or advisory letter, (vi) the most recent summary annual reports, nondiscrimination testing reports, actuarial reports, financial statements and trustee reports, (vii) all records, notices and filings concerning IRS or Department of Labor or other Governmental Body audits or investigations, “prohibited transactions” within the meaning of Section 406 of ERISA or Section 4975 of the Code, (viii) all policies and procedures established to comply with the privacy and security rules of HIPAA and (ix) any written reports constituting a valuation of the Company’s capital stock for purposes of Sections 409A or 422 of the Code, whether prepared internally by the Company or by an outside, third-party valuation firm.

(c) Each Company Benefit Plan has been maintained, operated and administered in compliance in all material respects with its terms and any related documents or agreements and the applicable provisions of ERISA, the Code and all other Laws.

(d) The Company Benefit Plans which are “employee pension benefit plans” within the meaning of Section 3(2) of ERISA and which are intended to meet the qualification requirements of Section 401(a) of the Code have received determination or opinion letters from the IRS on which they may currently rely to the effect that such plans are qualified under Section 401(a) of the Code and the related trusts are exempt from federal income Taxes under Section 501(a) of the Code, respectively, and to the Knowledge of the Company, nothing has occurred that would reasonably be expected to materially adversely affect the qualification of such Company Benefit Plan or the tax exempt status of the related trust.

(e) Neither the Company, any of its Subsidiaries nor any Company ERISA Affiliate maintains, contributes to, is required to contribute to, or has any actual or contingent liability with respect to, (i) any “employee pension benefit plan” (within the meaning of Section 3(2) of ERISA) that is subject to Title IV or Section 302 of ERISA or Section 412 of the Code, (ii) any “multiemployer plan” (within the meaning of Section 3(37) of ERISA), (iii) any “multiple employer plan” (within the meaning of Section 413 of the Code) or (iv) any “multiple employer welfare arrangement” (within the meaning of Section 3(40) of ERISA).

(f) There are no pending audits or investigations by any Governmental Body involving any Company Benefit Plan, and no pending or, to the Knowledge of the Company, threatened claims (except for individual claims for benefits payable in the normal operation of the Company Benefit Plans), suits or proceedings involving any Company Benefit Plan, any fiduciary thereof or service provider thereto, in any case except as would not be reasonably expected to result in material liability to the Company or any of its Subsidiaries. All contributions and premium payments required to have been made under any of the Company Benefit Plans or by applicable Law (without regard to any waivers granted under Section 412 of the Code), have been timely made in all material respects and neither the Company nor any Company ERISA Affiliate has any material liability for any unpaid contributions with respect to any Company Benefit Plan.

(g) Neither the Company, any of its Subsidiaries or Company ERISA Affiliates, nor to the Knowledge of the Company, any fiduciary, trustee or administrator of any Company

Benefit Plan, has engaged in, or in connection with the Contemplated Transactions will engage in, any transaction with respect to any Company Benefit Plan which would subject any such Company Benefit Plan, the Company, any of its Subsidiaries or Company ERISA Affiliates or Parent to a material Tax, material penalty or material liability for a “prohibited transaction” under Section 406 of ERISA or Section 4975 of the Code.

(h) Except as provided in Section 2.17(h) of the Company Disclosure Schedule, no Company Benefit Plan provides death, medical, dental, vision, life insurance or other welfare benefits beyond termination of service or retirement other than coverage mandated by Law and neither the Company nor any of its Subsidiaries or Company ERISA Affiliates has made a written or oral representation promising the same.

(i) Neither the execution of, nor the performance of the Contemplated Transactions will either alone or in connection with any other event(s) (i) result in any payment becoming due to any current or former employee, director, officer, or independent contractor of the Company or any Subsidiary thereof, (ii) increase any amount of compensation or benefits otherwise payable under any Company Benefit Plan, (iii) result in the acceleration of the time of payment, funding or vesting of any benefits under any Company Benefit Plan, (iv) require any contribution or payment to fund any obligation under any Company Benefit Plan or (v) limit the right to merge, amend or terminate any Company Benefit Plan.

(j) Neither the execution of, nor the consummation of the Contemplated Transactions (either alone or when combined with the occurrence of any other event, including without limitation, a termination of employment) will result in the receipt or retention by any person who is a “disqualified individual” (within the meaning of Code Section 280G) with respect to the Company and its Subsidiaries of any payment or benefit that is or could be characterized as a “parachute payment” (within the meaning of Code Section 280G), determined without regard to the application of Code Section 280G(b)(5).

(k) The exercise price of each Company Option is not and never has been less than the fair market value of one share of Company Common Stock as of the grant date of such Company Option.

(l) Each Company Benefit Plan providing for deferred compensation that constitutes a “nonqualified deferred compensation plan” (as defined in Section 409A(d)(1) of the Code and the regulations promulgated thereunder) is, and has been, established, administered and maintained in compliance with the requirements of Section 409A of the Code and the regulations promulgated thereunder in all material respects.

(m) No current or former employee, officer, director or independent contractor of the Company or any of its Subsidiaries has any “gross up” agreements with the Company or any of its Subsidiaries or other assurance of reimbursement by the Company or any of its Subsidiaries for any Taxes imposed under Code Section 409A or Code Section 4999.

(n) No Company Benefit Plan is maintained outside of the United States.

(o) The Company has provided to Parent a true and correct list, as of the date of this Agreement, containing the names of all full-time, part-time or temporary employees and independent contractors (and indication as such), and, as applicable: (i) the annual dollar amount of all compensation (including wages, salary or fees, commissions, director’s fees, fringe benefits, bonuses, profit sharing payments, and other payments or benefits of any type) payable to each person; (ii) dates of employment or

service; (iii) title; (iv) any eligibility to receive severance, retention payment, change of control payment, or other similar compensation; (v) visa status, if applicable; and (vi) with respect to employees, a designation of whether they are classified as exempt or non-exempt for purposes of the Fair Labor Standards Act, as amended (“*FLSA*”) and any similar state law.

(p) Neither the Company nor any of its Subsidiaries is or has ever been a party to, bound by, or has a duty to bargain under, any collective bargaining agreement or other Contract with a labor union, labor organization, or similar Person representing any of its employees, and there is no labor union, labor organization, or similar Person representing or, to the Knowledge of the Company, purporting to represent or seeking to represent any employees of the Company or its Subsidiaries, including through the filing of a petition for representation election. There is not and has not been in the past three years, nor is there or has there been in the past three years any threat of, any strike, slowdown, work stoppage, lockout, union election petition, demand for recognition, or any similar activity or dispute, or, to the Knowledge of the Company, any union organizing activity, against the Company or any of its Subsidiaries. No event has occurred, and no condition or circumstance exists, that might directly or indirectly be likely to give rise to or provide a basis for the commencement of any such strike, slowdown, work stoppage, lockout, union election petition, demand for recognition, any similar activity or dispute, or, to the Knowledge of the Company, any union organizing activity.

(q) The Company and each of its Subsidiaries is, and since January 1, 2016 has been, in material compliance with all applicable Laws respecting labor, employment, employment practices, and terms and conditions of employment, including worker classification, discrimination, harassment and retaliation, equal employment opportunities, fair employment practices, meal and rest periods, immigration, employee safety and health, payment of wages (including overtime wages), unemployment and workers’ compensation, leaves of absence, and hours of work. Except as would not be reasonably likely to result in a material liability to the Company or any of its Subsidiaries, with respect to employees of the Company and its Subsidiaries, each of the Company and its Subsidiaries, since January 1, 2016: (i) has withheld and reported all amounts required by Law or by agreement to be withheld and reported with respect to wages, salaries and other payments, benefits, or compensation to employees, (ii) is not liable for any arrears of wages (including overtime wages), severance pay or any Taxes or any penalty for failure to comply with any of the foregoing, and (iii) is not liable for any payment to any trust or other fund governed by or maintained by or on behalf of any Governmental Body, with respect to unemployment compensation benefits, disability, social security or other benefits or obligations for employees (other than routine payments to be made in the Ordinary Course of Business). There are no actions, suits, claims, charges, lawsuits, investigations, audits or administrative matters pending or, to the Knowledge of the Company, threatened or reasonably anticipated against the Company or any of its Subsidiaries relating to any employee, applicant for employment, consultant, employment agreement or Company Benefit Plan (other than routine claims for benefits).

(r) Except as would not be reasonably likely to result in a material liability to the Company or any of its Subsidiaries, with respect to each individual who currently renders services to the Company or any of its Subsidiaries, the Company and each of its Subsidiaries has accurately classified each such individual as an employee, independent contractor, or otherwise under all applicable Laws and, for each individual classified as an employee, the Company and each of its Subsidiaries has accurately classified him or her as exempt or non-exempt under all applicable Laws. Neither the Company nor any of its Subsidiaries has any material liability with respect to any misclassification of: (a) any Person as an independent contractor rather than as an employee, (b) any employee leased from another employer, or (c) any employee currently or formerly classified as exempt under all applicable Laws.

(s) Within the preceding five (5) years, the Company has not implemented any “plant closing” or “mass layoff” of employees that would reasonably be expected to require notification

under the WARN Act or any similar state or local Law, no such “plant closing” or “mass layoff” will be implemented before the Closing Date without advance notification to and approval of Parent, and there has been no “employment loss” as defined by the WARN Act within the ninety (90) days prior to the Closing Date.

(t) There is no Legal Proceeding, claim, unfair labor practice charge or compliant, labor dispute or grievance pending or, to the Knowledge of the Company, threatened against the Company relating to labor, employment, employment practices, or terms and conditions of employment.

2.18 **Environmental Matters.** The Company and each of its Subsidiaries are and since January 1, 2013 have complied with all applicable Environmental Laws, which compliance includes the possession by the Company of all permits and other Governmental Authorizations required under applicable Environmental Laws and compliance with the terms and conditions thereof, except for any failure to be in such compliance that, either individually or in the aggregate, would not reasonably be expected to be material to the Company or its business. Neither the Company nor any of its Subsidiaries has received since January 1, 2013 (or prior to that time, which is pending and unresolved), any written notice or other communication (in writing or otherwise), whether from a Governmental Body or other Person, that alleges that the Company or any of its Subsidiaries is not in compliance with or has liability pursuant to any Environmental Law and, to the Knowledge of the Company, there are no circumstances that would reasonably be expected to prevent or interfere with the Company’s or any of its Subsidiaries’ compliance in any material respects with any Environmental Law, except where such failure to comply would not reasonably be expected to be material to the Company or its business. No current or (during the time a prior property was leased or controlled by the Company or any of its Subsidiaries) prior property leased or controlled by the Company or any of its Subsidiaries has had a release of or exposure to Hazardous Materials in material violation of or as would reasonably be expected to result in any material liability of the Company or any of its Subsidiaries pursuant to Environmental Law. No consent, approval or Governmental Authorization of or registration or filing with any Governmental Body is required by Environmental Laws in connection with the execution and delivery of this Agreement or the Contemplated Transactions. Prior to the date hereof, the Company has provided or otherwise made available to Parent true and correct copies of all material environmental reports, assessments, studies and audits in the possession or control of the Company or any of its Subsidiaries with respect to any property leased or controlled by the Company or any of its Subsidiaries or any business operated by them.

2.19 **Insurance.** The Company has delivered or made available to Parent accurate and complete copies of all material insurance policies and all material self-insurance programs and arrangements relating to the business, assets, liabilities and operations of the Company and each of its Subsidiaries. Each of such insurance policies is in full force and effect and the Company and each of its Subsidiaries are in compliance in all material respects with the terms thereof. Other than customary end of policy notifications from insurance carriers, since January 1, 2016, neither the Company nor any of its Subsidiaries has received any notice or other communication regarding any actual or possible: (i) cancellation or invalidation of any insurance policy; or (ii) refusal or denial of any coverage, reservation of rights or rejection of any material claim under any insurance policy. The Company and each of its Subsidiaries have provided timely written notice to the appropriate insurance carrier(s) of each Legal Proceeding that is currently pending against the Company or any of its Subsidiaries for which the Company or such Subsidiary has insurance coverage, and no such carrier has issued a denial of coverage or a reservation of rights with respect to any such Legal Proceeding, or informed the Company or any of its Subsidiaries of its intent to do so.

2.20 **No Financial Advisors.** Except as set forth on Section 2.20 of the Company Disclosure Schedule, no broker, finder or investment banker is entitled to any brokerage fee, finder’s fee,

opinion fee, success fee, transaction fee or other fee or commission in connection with the Contemplated Transactions based upon arrangements made by or on behalf of the Company or any of its Subsidiaries.

2.21 **Disclosure.** The information supplied by the Company and each of its Subsidiaries for inclusion in the Proxy Statement (including any of the Company Financials) will not, as of the date of the Proxy Statement or as of the date such information is first mailed to Parent stockholders, (i) contain any statement that is inaccurate or misleading with respect to any material facts, or (ii) omit to state any material fact necessary in order to make such information, in light of the circumstances under which such information will be provided, not false or misleading.

2.22 **Transactions with Affiliates.**

(a) Section 2.22(a) of the Company Disclosure Schedule (i) describes any material transactions or relationships, since January 1, 2016, between, on one hand, the Company or any of its Subsidiaries and, on the other hand, any (A) executive officer or director of the Company or, to the Knowledge of the Company, any of its Subsidiaries or any of such executive officer's or director's immediate family members, (B) owner of more than 5% of the voting power of the outstanding Company Capital Stock or (C) to the Knowledge of the Company, any "related person" (within the meaning of Item 404 of Regulation S-K under the Securities Act) of any such officer, director or owner (other than the Company or its Subsidiaries) in the case of each of (A), (B) or (C) that is of the type that would be required to be disclosed under Item 404 of Regulation S-K under the Securities Act; and (ii) identifies each Person who is (or who may be deemed to be) an Affiliate of the Company as of the date of this Agreement.

(b) Section 2.22(b) of the Company Disclosure Schedule lists each stockholders agreement, voting agreement, registration rights agreement, co-sale agreement or other similar Contract between the Company and any holders of Company Capital Stock, including any such Contract granting any Person investor rights, rights of first refusal, rights of first offer, registration rights, director designation rights or similar rights (collectively, the "**Investor Agreements**").

2.23 **Anti-Bribery.** None of the Company or any of its Subsidiaries or any of their respective directors, officers, employees or, to the Company's Knowledge, agents or any other Person acting on their behalf has directly or indirectly made any bribes, rebates, payoffs, influence payments, kickbacks, illegal payments, illegal political contributions, or other payments, in the form of cash, gifts, or otherwise, or taken any other action, in violation of the Foreign Corrupt Practices Act of 1977, the UK Bribery Act of 2010 or any other anti-bribery or anti-corruption Law (collectively, the "**Anti-Bribery Laws**"). Neither the Company nor any of its Subsidiaries is or has been the subject of any investigation or inquiry by any Governmental Body with respect to potential violations of Anti-Bribery Laws.

2.24 **Disclaimer of Other Representations or Warranties.**

(a) Except as previously set forth in this Section 2 or in any certificate delivered by the Company to Parent and/or Merger Sub pursuant to this Agreement, the Company makes no representation or warranty, express or implied, at law or in equity, with respect to it or any of its assets, liabilities or operations, and any such other representations or warranties are hereby expressly disclaimed.

(b) The Company acknowledges and agrees that, except for the representations and warranties of Parent and Merger Sub set forth in Section 3, none of Parent, Merger Sub or any of their respective Representatives is relying on any other representation or warranty of Parent or any other Person made outside of Section 3, including regarding the accuracy or completeness of any such other representations or warranties or the omission of any material information, whether express or implied, in each case, with respect to the Contemplated Transactions.

Section 3. REPRESENTATIONS AND WARRANTIES OF PARENT AND MERGER SUB

Subject to Section 10.13(h), except (a) as set forth in the disclosure schedule delivered by Parent to the Company (the “**Parent Disclosure Schedule**”) or (b) as disclosed in the Parent SEC Documents filed with the SEC prior to the date hereof and publicly available on the SEC’s Electronic Data Gathering Analysis and Retrieval system (but (i) without giving effect to any amendment thereof filed with, or furnished to the SEC on or after the date hereof and (ii) excluding any disclosures contained under the heading “Risk Factors” and any disclosure of risks included in any “forward-looking statements” disclaimer or in any other section to the extent they are forward-looking statements or cautionary, predictive or forward-looking in nature), it being understood that any matter disclosed in the Parent SEC Documents (x) shall not be deemed disclosed for the purposes of Section 3.1, Section 3.2, Section 3.3, Section 3.4, Section 3.5 or Section 3.6 and (y) shall be deemed to be disclosed in a section of the Parent Disclosure Schedule only to the extent that it is readily apparent from a reading of such Parent SEC Document that it is applicable to such section of the Parent Disclosure Schedule, Parent and Merger Sub represent and warrant to the Company as follows:

3.1 **Due Organization; No Subsidiaries.**

(a) Each of Parent and Merger Sub is a corporation duly incorporated, validly existing and in good standing under the Laws of Delaware, and has all necessary corporate power and authority: (i) to conduct its business in the manner in which its business is currently being conducted; (ii) to own or lease and use its property and assets in the manner in which its property and assets are currently owned or leased and used; and (iii) to perform its obligations under all Contracts by which each is bound. Since the date of its incorporation, Merger Sub has not engaged in any activities other than activities incident to its formation or in connection with or as contemplated by this Agreement.

(b) Parent is duly licensed and qualified to do business, and is in good standing (to the extent applicable in such jurisdiction), under the Laws of all jurisdictions where the nature of its business requires such licensing or qualification other than in jurisdictions where the failure to be so qualified individually or in the aggregate would not be reasonably expected to have a Parent Material Adverse Effect.

(c) Other than Merger Sub, Parent does not have any Subsidiary.

(d) Parent is not and has not otherwise been, directly or indirectly, a party to, member of or participant in any partnership, joint venture or similar business entity. Parent has not agreed and is not obligated to make, and is not bound by any Contract under which it may become obligated to make, any future investment in or capital contribution to any other Entity. Parent has not, at any time, been a general partner of, and has not otherwise been liable for any of the debts or other obligations of, any general partnership, limited partnership or other Entity.

3.2 **Organizational Documents.** Parent has made available to the Company accurate and complete copies of Parent’s and Merger Sub’s Organizational Documents in effect as of the date of this Agreement. Neither Parent nor Merger Sub is in material breach or violation of its respective Organizational Documents.

3.3 **Authority; Binding Nature of Agreement.**

(a) Each of Parent and Merger Sub has all necessary corporate power and authority to enter into and to perform its obligations under this Agreement and, subject, with respect to

Parent, to receipt of the Required Parent Stockholder Vote and, with respect to Merger Sub, the adoption of this Agreement by Parent in its capacity as sole stockholder of Merger Sub, to perform its obligations hereunder and to consummate the Contemplated Transactions. The Parent Board (at meetings duly called and held) has: (i) determined that the Contemplated Transactions are fair to, advisable and in the best interests of Parent and its stockholders; (ii) authorized, approved and declared advisable this Agreement and the Contemplated Transactions, including the issuance of shares of Parent Common Stock to the stockholders of the Company pursuant to the terms of this Agreement and the treatment of the Company Options pursuant to this Agreement; and (iii) determined to recommend, upon the terms and subject to the conditions set forth in this Agreement, that the stockholders of Parent vote to approve the Parent Stockholder Matters. The Merger Sub Board (by unanimous written consent) has: (A) determined that the Contemplated Transactions are fair to, advisable, and in the best interests of Merger Sub and its sole stockholder; (B) authorized, approved and declared advisable this Agreement and the Contemplated Transactions; and (C) determined to recommend, upon the terms and subject to the conditions set forth in this Agreement, that the stockholder of Merger Sub vote to adopt this Agreement and thereby approve the Contemplated Transactions.

(b) This Agreement has been duly executed and delivered by each of Parent and Merger Sub and, assuming the due authorization, execution and delivery by the Company, constitutes the legal, valid and binding obligation of Parent and Merger Sub, enforceable against each of Parent and Merger Sub in accordance with its terms, subject to the Enforceability Exceptions. Prior to the execution of the Parent Stockholder Support Agreements, the Parent Board approved the Parent Stockholder Support Agreements and the transactions contemplated thereby.

3.4 **Vote Required.** (a) The affirmative vote of the holders of a majority of the outstanding shares of Parent Common Stock is the only vote of the holders of any class or series of Parent's capital stock necessary to approve the proposals in Section 5.3(a)(i) and (ii) and (b) the affirmative vote of a majority of the votes cast at the Parent Stockholders' Meeting is the only vote of the holders of any class or series of Parent's capital stock necessary to approve the proposals in Section 5.3(a)(iii) (the "**Required Parent Stockholder Vote**").

3.5 **Non-Contravention; Consents.** Subject to obtaining the Required Parent Stockholder Vote and the filing of the Certificate of Merger required by the DGCL, neither (x) the execution, delivery or performance of this Agreement by Parent or Merger Sub, nor (y) the consummation of the Contemplated Transactions, will directly or indirectly (with or without notice or lapse of time):

(a) contravene, conflict with or result in a violation of any of the provisions of the Organizational Documents of Parent or Merger Sub;

(b) contravene, conflict with or result in a material violation of, or to the Knowledge of Parent give any Governmental Body or other Person the right to challenge the Contemplated Transactions or to exercise any material remedy or obtain any material relief under, any Law or any order, writ, injunction, judgment or decree to which Parent or Merger Sub, or any of the assets owned or used by Parent or Merger Sub, is subject, except as would not reasonably be expected to be material to Parent or its business;

(c) contravene, conflict with or result in a violation of any of the terms or requirements of, or give any Governmental Body the right to revoke, withdraw, suspend, cancel, terminate or modify, any Governmental Authorization that is held by Parent, except as would not reasonably be expected to be material to Parent or its business;

(d) contravene, conflict with or result in a violation or breach of, or result in a default under, any provision of any Parent Material Contract, or give any Person the right to: (i) declare a default or exercise any remedy under any Parent Material Contract; (ii) any material payment, rebate, chargeback, penalty or change in delivery schedule under any Parent Material Contract; (iii) accelerate the maturity or performance of any Parent Material Contract; or (iv) cancel, terminate or modify any term of any Parent Material Contract, except in the case of any non-material breach, default, penalty or modification; or

(e) result in the imposition or creation of any Encumbrance upon or with respect to any material asset owned or used by Parent (except for Permitted Encumbrances).

Except for (i) any Consent set forth on Section 3.5 of the Parent Disclosure Schedule under any Parent Contract, (ii) the Required Parent Stockholder Vote, (iii) the filing of the Certificate of Merger with the Secretary of State of the State of Delaware pursuant to the DGCL, and (iv) such consents, waivers, approvals, orders, authorizations, registrations, declarations and filings as may be required under applicable federal and state securities Laws, Parent is not and will not be required to make any filing with or give any notice to, or to obtain any Consent from, any Person in connection with (A) the execution, delivery or performance of this Agreement, the Parent Stockholder Support Agreements, and the Parent Lock-up Agreements or (B) the consummation of the Contemplated Transactions, which if individually or in the aggregate were not given or obtained, would reasonably be expected to prevent or materially delay the ability of Parent and Merger Sub to consummate the Contemplated Transactions. The Parent Board and the Merger Sub Board have taken and will take all actions necessary to ensure that the restrictions applicable to business combinations contained in Section 203 of the DGCL are, and will be, inapplicable to the execution, delivery and performance of this Agreement, the Parent Stockholder Support Agreements, the Parent Lock-Up Agreements and to the consummation of the Contemplated Transactions. No other state takeover statute or similar Law applies or purports to apply to the Merger, this Agreement, the Parent Stockholder Support Agreements, the Parent Lock-Up Agreements or any of the other Contemplated Transactions.

3.6 **Capitalization.**

(a) The authorized capital stock of Parent as of the date of this Agreement consists of (i) 60,000,000 shares of Parent Common Stock, par value \$0.001 per share, of which 24,051,844 shares have been issued and are outstanding as of the close of business on the Reference Date and (ii) 5,000,000 shares of preferred stock of Parent, par value \$0.001 per share, of which no shares have been issued and are outstanding as of the date of this Agreement. Parent does not hold any shares of its capital stock in its treasury. As of the close of business on the Reference Date, there are outstanding Parent Warrants to purchase 8,609,853 shares of Parent Common Stock.

(b) All of the outstanding shares of Parent Common Stock have been duly authorized and validly issued, and are fully paid and nonassessable. None of the outstanding shares of Parent Common Stock is entitled or subject to any preemptive right, right of participation, right of maintenance or any similar right and none of the outstanding shares of Parent Common Stock is subject to any right of first refusal in favor of Parent. Except as contemplated herein, there is no Parent Contract relating to the voting or registration of, or restricting any Person from purchasing, selling, pledging or otherwise disposing of (or granting any option or similar right with respect to), any shares of Parent Common Stock. Parent is not under any obligation, nor is it bound by any Contract pursuant to which it may become obligated, to repurchase, redeem or otherwise acquire any outstanding shares of Parent Common Stock or other securities. Section 3.6(b) of the Parent Disclosure Schedule accurately and completely lists all repurchase or forfeiture rights held by the Parent with respect to shares of Parent Common Stock (including shares issued pursuant to the exercise of stock options).

(c) Except for the Parent Stock Plans, Parent does not have any stock option plan or any other plan, program, agreement or arrangement providing for any equity-based compensation for any Person. As of the close of business on the Reference Date, 2,318,647 shares have been reserved for issuance upon exercise of Parent Options granted under the Parent Stock Plans that are outstanding as of the date of this Agreement, 155,426 shares have been reserved for issuance pursuant to Parent Deferred Stock Rights granted under the Parent Stock Plans that are outstanding as of the date of this Agreement, and 2,196,036 shares remain available for future issuance pursuant to the Parent Stock Plans. Section 3.6(c) of the Parent Disclosure Schedule sets forth the following information with respect to each Parent Option outstanding as of the date of this Agreement: (i) the name of the holder; (ii) the number of shares of Parent Common Stock subject to such Parent Option at the time of grant; (iii) the number of shares of Parent Common Stock subject to such Parent Option as of the date of this Agreement; (iv) the exercise price of such Parent Option; (v) the date on which such Parent Option was granted; (vi) the applicable vesting schedule, including the number of vested and unvested shares as of the date of this Agreement and any acceleration provisions; (vii) the date on which such Parent Option expires (and whether there has been any extension of such expiration date or any other provisions or agreements that may result in an extension of the expiration date of such Parent Option beyond the date(s) provided in the form of stock option agreement provided to the Company); and (viii) whether such Parent Option is intended to constitute an “incentive stock option” (as defined in the Code) or a non-qualified stock option. Section 3.6(c) of the Parent Disclosure Schedule sets forth the following information with respect to each Parent Deferred Stock Rights outstanding as of the date of this Agreement: (i) the name of the holder; (ii) the number of shares of Parent Common Stock subject to such Parent Deferred Stock Right at the time of grant; (iii) the number of shares of Parent Common Stock subject to such Parent Deferred Stock Right as of the date of this Agreement; (iv) the date on which such Parent Deferred Stock Right was granted; (v) the applicable vesting schedule, if any, including the number of vested and unvested shares as of the date of this Agreement and any acceleration provisions; and (vi) the distribution or settlement provisions applicable to such Parent Deferred Stock Right. Parent has made available to the Company accurate and complete copies of the Parent Stock Plans and all forms of the stock option and other award agreements evidencing outstanding awards granted thereunder.

(d) Except for the Parent Warrants, the Parent Stock Plans, the Parent Options, the Parent Deferred Stock Rights, there is no: (i) outstanding subscription, option, call, warrant or right (whether or not currently exercisable) to acquire any shares of the capital stock or other securities of Parent or any of its Subsidiaries; (ii) outstanding security, instrument or obligation that is or may become convertible into or exchangeable for any shares of the capital stock or other securities of Parent or any of its Subsidiaries; or (iii) condition or circumstance that is reasonably likely to give rise to or provide a basis for the assertion of a claim by any Person to the effect that such Person is entitled to acquire or receive any shares of capital stock or other securities of Parent or any of its Subsidiaries. There are no outstanding or authorized stock appreciation, phantom stock, profit participation or other similar rights with respect to Parent or any of its Subsidiaries.

(e) All outstanding shares of Parent Common Stock, Parent Options, Parent Deferred Stock Rights, Parent Warrants and other securities of Parent have been issued and granted in material compliance with (i) all applicable securities Laws and other applicable Law, and (ii) all requirements set forth in applicable Contracts.

3.7 SEC Filings; Financial Statements.

(a) Parent has delivered or made available to the Company accurate and complete copies of all registration statements, proxy statements, Certifications (as defined below) and other statements, reports, schedules, forms and other documents filed by Parent with the SEC since January 1, 2018 (the “**Parent SEC Documents**”), other than such documents that can be obtained on the SEC’s website

at www.sec.gov. Since January 1, 2017, all material statements, reports, schedules, forms and other documents required to have been filed by Parent or its officers with the SEC have been so filed on a timely basis. As of the time it was filed with the SEC (or, if amended or superseded by a filing prior to the date of this Agreement, then on the date of such filing), each of the Parent SEC Documents complied in all material respects with the applicable requirements of the Securities Act or the Exchange Act (as the case may be) and, as of the time they were filed, none of the Parent SEC Documents contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading. The certifications and statements required by (i) Rule 13a-14 under the Exchange Act and (ii) 18 U.S.C. §1350 (Section 906 of the Sarbanes-Oxley Act) relating to the Parent SEC Documents (collectively, the “*Certifications*”) are accurate and complete and comply as to form and content with all applicable Laws. As used in this [Section 3.7](#), the term “file” and variations thereof shall be broadly construed to include any manner in which a document or information is furnished, supplied or otherwise made available to the SEC.

(b) The financial statements (including any related notes) contained or incorporated by reference in the Parent SEC Documents: (i) complied as to form in all material respects with the published rules and regulations of the SEC applicable thereto; (ii) were prepared in accordance with GAAP (except as may be indicated in the notes to such financial statements or, in the case of unaudited financial statements, except as permitted by Form 10-Q of the SEC, and except that the unaudited financial statements may not contain footnotes and are subject to normal and recurring year-end adjustments) applied on a consistent basis unless otherwise noted therein throughout the periods indicated; and (iii) fairly present, in all material respects, the financial position of Parent as of the respective dates thereof and the results of operations and cash flows of Parent for the periods covered thereby. Other than as expressly disclosed in the Parent SEC Documents filed prior to the date hereof, there has been no material change in Parent’s accounting methods or principles that would be required to be disclosed in Parent’s financial statements in accordance with GAAP. The books of account and other financial records of Parent are true and complete in all material respects.

(c) Parent’s independent registered accounting firm has at all times since the date Parent became subject to the applicable provisions of the Sarbanes-Oxley Act been: (i) a registered public accounting firm (as defined in Section 2(a)(12) of the Sarbanes-Oxley Act); (ii) to the Knowledge of Parent “Independent” with respect to Parent within the meaning of Regulation S-X under the Exchange Act; and (iii) to the Knowledge of Parent, in compliance with subsections (g) through (l) of Section 10A of the Exchange Act and the rules and regulations promulgated by the SEC and the Public Company Accounting Oversight Board thereunder.

(d) Since January 1, 2017 through the date of this Agreement, Parent has not received any comment letter from the SEC or the staff thereof or any correspondence from officials of Nasdaq or the staff thereof relating to the delisting or maintenance of listing of the Parent Common Stock on Nasdaq. Parent has not disclosed any unresolved comments in the Parent SEC Documents.

(e) Since January 1, 2017, there have been no formal investigations regarding financial reporting or accounting policies and practices discussed with, reviewed by or initiated at the direction of the chief executive officer, chief financial officer, principal accounting officer or general counsel of Parent, the Parent Board or any committee thereof, other than ordinary course audits or reviews of accounting policies and practices or internal controls required by the Sarbanes-Oxley Act.

(f) Parent is and since January 1, 2017 has been, in compliance in all material respects with the applicable current listing and governance rules and regulations of Nasdaq.

(g) Parent maintains, and at all times since January 1, 2017 has maintained, a system of internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) of the Exchange Act) that is sufficient to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with GAAP and to provide reasonable assurance (i) that Parent maintains records in reasonable detail accurately and fairly reflect the transactions and dispositions of the assets of Parent and Merger Sub; (ii) that transactions are recorded as necessary to permit preparation of financial statements in accordance with GAAP, (iii) that receipts and expenditures are made only in accordance with authorizations of management and the Parent Board and (iv) regarding prevention or timely detection of the unauthorized acquisition, use or disposition of Parent's assets that could have a material effect on Parent's financial statements. Parent has evaluated the effectiveness of Parent's internal control over financial reporting and, to the extent required by applicable Law, presented in any applicable Parent SEC Document that is a report on Form 10-K or Form 10-Q (or any amendment thereto) its conclusions about the effectiveness of the internal control over financial reporting as of the end of the period covered by such report or amendment based on such evaluation. Parent has disclosed, based on its most recent evaluation of internal control over financial reporting, to Parent's auditors and audit committee (and made available to the Company a summary of the significant aspects of such disclosure) (A) all material weaknesses and significant deficiencies, if any, in the design or operation of internal control over financial reporting that are reasonably likely to adversely affect Parent's ability to record, process, summarize and report financial information and (B) any known fraud that involves management or other employees who have a significant role in Parent's internal control over financial reporting. Parent has not identified, based on its most recent evaluation of internal control over financial reporting, any material weaknesses in the design or operation of Parent's internal control over financial reporting.

(h) Parent maintains "disclosure controls and procedures" (as defined in Rules 13a-15(e) and 15d-15(e) of the Exchange Act) that are reasonably designed to ensure that all information required to be disclosed by Parent in the periodic reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported within the time periods required by the SEC, and that all such information is accumulated and communicated to Parent's management as appropriate to allow timely decisions regarding required disclosure and to make the Certifications.

3.8 **Absence of Changes.** Except as set forth on Section 3.8 of the Parent Disclosure Schedule, between the date of the Parent Balance Sheet and the date of this Agreement, Parent and its Subsidiaries have conducted its business only in the Ordinary Course of Business (except for the execution and performance of this Agreement and the discussions, negotiations and transactions related thereto) and there has not been any (a) Parent Material Adverse Effect or (b) action, event or occurrence that would have required consent of the Company pursuant to Section 4.1(b) had such action, event or occurrence taken place after the execution and delivery of this Agreement.

3.9 **Absence of Undisclosed Liabilities.** As of the date hereof, Parent does not have any Liability, individually or in the aggregate, of a type required to be recorded or reflected on a balance sheet or disclosed in the footnotes thereto under GAAP except for: (a) Liabilities disclosed, reflected or reserved against in the Parent Balance Sheet; (b) Liabilities that have been incurred by Parent since the date of the Parent Balance Sheet in the Ordinary Course of Business; (c) Liabilities for performance of obligations of Parent under Parent Contracts; (d) Liabilities incurred in connection with the Contemplated Transactions; (e) Liabilities which would not, individually or in the aggregate, reasonably be expected to be material to the Parent; and (f) Liabilities described in Section 3.9 of the Parent Disclosure Schedule.

3.10 **Title to Assets.** Parent owns, and has good and valid title to, or, in the case of leased properties and assets, valid leasehold interests in, all tangible properties or tangible assets and equipment used or held for use in its business or operations or purported to be owned by it that are material

to Parent or its business, including: (a) all tangible assets reflected on the Parent Balance Sheet; and (b) all other tangible assets reflected in the books and records of Parent as being owned by Parent. All of such assets are owned or, in the case of leased assets, leased by Parent free and clear of any Encumbrances, other than Permitted Encumbrances.

3.11 **Real Property; Leasehold.** Parent does not own any real property. Parent has made available to the Company (a) an accurate and complete list of all real properties with respect to which Parent directly or indirectly holds a valid leasehold interest as well as any other real estate that is in the possession of or leased by Parent, and (b) copies of all leases under which any such real property is possessed (the “**Parent Real Estate Leases**”), each of which is in full force and effect, with no existing material default thereunder. Parent’s use and operation of each such leased property conforms to all applicable Laws in all material respects, and Parent has exclusive possession of each such leased property and has not granted any occupancy rights to tenants or licensees with respect to such leased property. In addition, each such leased property is free and clear of all Encumbrances other than Permitted Encumbrances.

3.12 **Intellectual Property.**

(a) Section 3.12(a) of the Parent Disclosure Schedule identifies each item of material Parent IP, including, with respect to each patent and patent application: (i) the name of the applicant/registrant, (ii) the jurisdiction of application/registration, (iii) the application or registration number and (iv) any other co-owners. To the Knowledge of Parent, each of the patents and patent applications included in the Section 3.12(a) of the Parent Disclosure Schedule properly identifies by name each and every inventor of the inventions claimed therein as determined in accordance with applicable Laws of the United States. To the knowledge of Parent, as of the date of this Agreement, no cancellation, interference, opposition, reissue, reexamination or other proceeding of any nature (other than office actions or similar communications issued by any Governmental Body in the ordinary course of prosecution of any pending applications for registration) is pending or threatened in writing, in which the scope, validity, enforceability or ownership of any Parent IP is being or has been contested or challenged.

(b) Except as has not had and would not reasonably be expected to have, individually or in the aggregate, a Parent Material Adverse Effect, Parent owns, is the assignee of, or has licensed all material Parent IP (other than as disclosed on Section 3.12(b) of the Parent Disclosure Schedule), free and clear of all Encumbrances other than Permitted Encumbrances. To the Knowledge of Parent, each Parent Associate involved in the creation or development of any material Parent IP, pursuant to such Parent Associate’s activities on behalf of Parent, has signed a written agreement containing an assignment of such Parent Associate’s rights in such Parent IP to Parent and confidentiality provisions protecting the Parent IP.

(c) To the Knowledge of Parent, no funding, facilities or personnel of any Governmental Body or any university, college, research institute or other educational institution has been used to create Parent IP, except for any such funding or use of facilities or personnel that does not result in such Governmental Body or institution obtaining ownership rights to such Parent IP or the right to receive royalties for the practice of such Parent IP.

(d) Section 3.12(d) of Parent Disclosure Schedule sets forth each license agreement pursuant to which the Parent (i) is granted a license under any material Intellectual Property Right owned by any third party that is used by Parent in its business as currently conducted (each a “**Parent In-bound License**”) or (ii) grants to any third party a license under any material Parent IP or material Intellectual Property Right licensed to the Parent under a Parent In-bound License (each a “**Parent Out-bound License**”) (provided, that, Parent In-bound Licenses shall not include, when entered into in the

ordinary course of business, material transfer agreements, services agreements, clinical trial agreements, agreements with Parent Associates, non-disclosure agreements, commercially available Software-as-a-Service offerings, off-the-shelf software licenses or generally available patent license agreements; and Parent Out-bound Licenses shall not include, when entered into in the ordinary course of business, material transfer agreements, clinical trial agreements, services agreements, non-disclosure agreements, or non-exclusive outbound licenses).

(e) To the Knowledge of Parent: (i) the operation of the business of Parent as currently conducted does not infringe, misappropriate or otherwise violate any valid and enforceable United States patent that is not included on Section 2.12(a) of the Company Disclosure Schedule and (ii) no other Person is infringing, misappropriating or otherwise violating any Parent IP. No Legal Proceeding is pending (or, to the Knowledge of Parent, is threatened in writing) (A) against Parent alleging that the operation of the business of Parent infringes or constitutes the misappropriation or other violation of any Intellectual Property Rights of another Person or (B) by Parent alleging that another Person has infringed, misappropriated or otherwise violated any of Parent IP or any Intellectual Property Rights exclusively licensed to Parent. Since January 1, 2017, Parent has not received any written notice or other written communication alleging that the operation of the business of Parent infringes or constitutes the misappropriation or other violation of any Intellectual Property Right of another Person.

(f) None of Parent IP or, to the Knowledge of Parent, any material Intellectual Property Rights exclusively licensed to Parent is subject to any pending or outstanding injunction, directive, order, judgment or other disposition of dispute that adversely and materially restricts the use, transfer, registration or licensing by Parent of any such Parent IP or material Intellectual Property Rights exclusively licensed to Parent or its Subsidiaries.

(g) To the Knowledge of Parent, the operation of Parent's business are in substantial compliance with all Laws pertaining to data privacy and data security of Sensitive Data, except to the extent that such noncompliance has not and would not reasonably be expected to have a Parent Material Adverse Effect. To the Knowledge of Parent, since January 1, 2017, there have been (i) no material losses or thefts of data or security breaches relating to Sensitive Data used in the business of Parent, (ii) no violations of any security policy of Parent regarding any such Sensitive Data used in the business of Parent, (iii) no unauthorized access, unauthorized use or unintended or improper disclosure of any Sensitive Data used in the business of Parent, in each case of (i) through (iii), except as would not reasonably be expected to, individually or in the aggregate, have a Parent Material Adverse Effect.

3.13 **Agreements, Contracts and Commitments.** Section 3.13 of the Parent Disclosure Schedule lists the following Parent Contracts in effect as of the date of this Agreement (and, except with respect to clauses (m) and (n) below, other than any Benefit Plans) (each, a "**Parent Material Contract**") and collectively, the "**Parent Material Contracts**"):

- (a) a material contract as defined in Item 601(b)(10) of Regulation S-K as promulgated under the Securities Act;
- (b) each Contract relating to any agreement of indemnification or guaranty not entered into in the Ordinary Course of Business;
- (c) each Contract containing (A) any covenant limiting the freedom of Parent to engage in any line of business or compete with any Person, (B) any most-favored pricing arrangement, (C) any exclusivity provision, or (D) any non-solicitation provision with respect to employees of other Persons, in each case, except for restrictions that would not materially affect the ability of Parent to conduct its business;

(d) each Contract relating to capital expenditures and requiring payments after the date of this Agreement in excess of \$250,000 pursuant to its express terms and not cancelable without penalty;

(e) each Contract relating to the disposition or acquisition of material assets or any ownership interest in any Entity, in each case, involving payments in excess of \$250,000, other than Parent Contracts in which the applicable acquisition or disposition has been consummated and there are no material ongoing obligations;

(f) each Contract relating to any mortgages, indentures, loans, notes or credit agreements, security agreements or other agreements or instruments relating to the borrowing of money or extension of credit or creating any material Encumbrances with respect to any assets of Parent or any loans or debt obligations with officers or directors of Parent, in each case, having an outstanding principal in an amount in excess of \$250,000;

(g) each Contract requiring payment by or to Parent after the date of this Agreement in excess of \$250,000 pursuant to its express terms relating to: (A) any distribution agreement (identifying any that contain exclusivity provisions); (B) any agreement involving provision of services or products with respect to any pre-clinical or clinical development activities of Parent; (C) any dealer, distributor, joint marketing, alliance, joint venture, cooperation, development or other agreement currently in force under which Parent has continuing obligations to develop or market any product, technology or service, or any agreement pursuant to which Parent has continuing obligations to develop any Intellectual Property Rights that will not be owned, in whole or in part, by Parent; or (D) any Contract to license any third party to manufacture or produce any product, service or technology of Parent or any Contract to sell, distribute or commercialize any products or service of Parent, in each case, except for Contracts entered into in the Ordinary Course of Business;

(h) each Contract with any financial advisor, broker, finder, investment banker or other similar Person, providing advisory services to Parent in connection with the Contemplated Transactions;

(i) each Parent Real Estate Lease;

(j) each Contract with any Governmental Body (other than clinical trial agreements for clinical trial studies);

(k) each Parent Out-bound License and Parent In-bound License;

(l) each Contract containing any royalty, dividend or similar arrangement based on the revenues or profits of Parent;

(m) each Parent Contract, offer letter, employment agreement, or independent contractor agreement with any employee, consultant or independent contractor that (A) is not terminable by Parent without less than 60 days notice, severance, or other cost or liability, or (B) provides for retention payments, change of control payments, severance, accelerated vesting, or any payment or benefit that may or will become due as a result of the Merger (whether alone or in connection with any other event); or

(n) any other Contract that is not terminable at will (with no penalty or payment) by Parent and (A) which involves payment or receipt by Parent after the date of this Agreement under any such agreement, contract or commitment of more than \$250,000 in the aggregate, or obligations

after the date of this Agreement in excess of \$250,000 in the aggregate, or (B) that is material to the business or operations of Parent.

Parent has delivered or made available to the Company accurate and complete copies of all Parent Material Contracts, including all amendments thereto. There are no Parent Material Contracts that are not in written form. Parent has not nor, to Parent's Knowledge, as of the date of this Agreement, has any other party to a Parent Material Contract, breached, violated or defaulted under, or received notice that it breached, violated or defaulted under, any of the terms or conditions of any Parent Material Contract in such manner as would permit any other party to cancel or terminate any such Parent Material Contract, or would permit any other party to seek damages which would reasonably be expected to be material to Parent or its business. As to Parent, as of the date of this Agreement, each Parent Material Contract is valid, binding, enforceable and in full force and effect, subject to the Enforceability Exceptions. No Person is renegotiating, or has a right pursuant to the terms of any Parent Material Contract to change, any material amount paid or payable to Parent under any Parent Material Contract or any other material term or provision of any Parent Material Contract.

3.14 **Compliance; Permits.**

(a) Parent is, and since January 1, 2016 has been, in compliance in all material respects with all applicable Laws, including the FDCA, the FDA regulations adopted thereunder, the Public Health Service Act and any other similar Law administered or promulgated by the FDA or other Drug Regulatory Agency, except for any noncompliance, either individually or in the aggregate, which would not be material to Parent. No investigation, claim, suit, proceeding, audit or other action by any Governmental Body is pending or, to the Knowledge of Parent, threatened against Parent. There is no agreement, judgment, injunction, order or decree binding upon Parent which (i) has or would reasonably be expected to have the effect of prohibiting or materially impairing any business practice of Parent, any acquisition of material property by Parent or the conduct of business by Parent as currently conducted, (ii) is reasonably likely to have an adverse effect on Parent's ability to comply with or perform any covenant or obligation under this Agreement, or (iii) is reasonably likely to have the effect of preventing, delaying, making illegal or otherwise interfering with the Contemplated Transactions.

(b) Parent holds all required Governmental Authorizations which are material to the operation of the business of Parent as currently conducted (the "**Parent Permits**"). Section 3.14(b) of the Parent Disclosure Schedule identifies each Parent Permit. Parent is in material compliance with the terms of the Parent Permits. No Legal Proceeding is pending or, to the Knowledge of Parent, threatened, which seeks to revoke, limit, suspend, or materially modify any Parent Permit.

(c) There are no proceedings pending or, to the Knowledge of Parent, threatened against Parent with respect to an alleged material violation by Parent of the FDCA, FDA regulations adopted thereunder, the Public Health Service Act or any other similar Law administered or promulgated by any Drug Regulatory Agency.

(d) All clinical, pre-clinical and other studies and tests conducted by or on behalf of, or sponsored by, Parent, or in which Parent or its respective current products or product candidates have participated, were and, if still pending, are being conducted in all material respects in accordance with standard medical and scientific research procedures and in compliance in all material respects with the applicable regulations of any applicable Drug Regulatory Agency and other applicable Law, as applicable, including 21 C.F.R. Parts 50, 54, 56, 58 and 312. No preclinical or clinical trial conducted by or on behalf of Parent has been terminated or suspended prior to completion for safety or non-compliance reasons. Since January 1, 2016, Parent has not received any notices, correspondence, or other communications from any Drug Regulatory Agency requiring, or to the Knowledge of Parent threatening to initiate, the termination

or suspension of any clinical studies conducted by or on behalf of, or sponsored by, Parent or in which Parent or its current products or product candidates have participated.

(e) Parent is not the subject of any pending or, to the Knowledge of Parent, threatened investigation in respect of its business or products by the FDA pursuant to its “Fraud, Untrue Statements of Material Facts, Bribery, and Illegal Gratuities” Final Policy set forth in 56 Fed. Reg. 46191 (September 10, 1991) and any amendments thereto. To the Knowledge of Parent, Parent has not committed any acts, made any statement, or has not failed to make any statement, in each case in respect of its business or products that would violate the FDA’s “Fraud, Untrue Statements of Material Facts, Bribery, and Illegal Gratuities” Final Policy, and any amendments thereto. Parent or any of its officers, employees or, to the Knowledge of Parent, agents has not been convicted of any crime or engaged in any conduct that could result in a debarment or exclusion (i) under 21 U.S.C. Section 335a or (ii) any similar applicable Law. No debarment or exclusionary claims, actions, proceedings or investigations in respect of their business or products are pending or, to the Knowledge of Parent, threatened against Parent or any of its officers, employees or, to the Knowledge of Parent, agents.

(f) Parent is not a Covered Entity governed by HIPAA, but each of its health plans, if required, has complied with all Laws relating to HIPAA, including the standards for the privacy of Individually Identifiable Health Information at 45 C.F.R. Parts 160 and 164, Subparts A and E, the standards for the protection of Electronic Protected Health Information set forth at 45 C.F.R. Part 160 and 45 C.F.R. Part 164, Subpart A and Subpart C, the standards for transactions and code sets used in electronic transactions at 45 C.F.R. Part 160, Subpart A and Part 162, and the standards for Breach Notification for Unsecured Protected Health Information at 45 C.F.R. Part 164, Subpart D, all as amended from time to time. Each of Parent’s health plans has entered into, where required, and are in compliance in all material respects with the terms of all Business Associate Agreements to which Parent has signed as plan sponsor where the plan is a party or otherwise bound. Each of Parent’s health plans, where required, has created and maintained written policies and procedures to protect the privacy of all protected health information, provide training to all employees and agents as required under HIPAA, and have implemented security procedures, including physical, technical and administrative safeguards, to protect all personal information and Protected Health Information stored or transmitted in electronic form. Parent has not received written notice from the Office for Civil Rights for the U.S. Department of Health and Human Services or any other Governmental Body of any allegation regarding its failure to comply with HIPAA or any other state law or regulation applicable to the protection of individually identifiable health information or personally identifiable information. No successful Security Incident, Breach of Unsecured Protected Health Information or breach of personally identifiable information under applicable state or federal laws have occurred with respect to information maintained or transmitted to any health plan of Parent or an agent or third party subject to a Business Associate Agreement with any health plan of Parent. If required, each health plan of Parent is currently submitting, receiving and handling or is capable of submitting receiving and handling transactions in accordance with the Standard Transaction Rule. Parent has materially complied with its requirements related to protection of Protected Health Information under its clinical trial agreements with health care provider Covered Entities that have participated in Parent’s clinical studies under such agreements. All capitalized terms in this [Section 3.14\(f\)](#) not otherwise defined in this Agreement shall have the meanings set forth under HIPAA.

3.15 **Legal Proceedings; Orders.**

(a) As of the date of this Agreement, there is no material pending Legal Proceeding and, to the Knowledge of Parent, no Person has threatened in writing to commence any Legal Proceeding: (i) that involves (A) Parent, (B) any Parent Associate (in his or her capacity as such) or (C) any of the material assets owned or used by Parent; or (ii) that challenges, or that would have the effect of preventing, delaying, making illegal or otherwise interfering with, the Contemplated Transactions.

(b) Since January 1, 2016 through the date of this Agreement, no Legal Proceeding has been pending against Parent that resulted in material liability to Parent.

(c) There is no order, writ, injunction, judgment or decree to which Parent, or any of the material assets owned or used by Parent, is subject. To the Knowledge of Parent, no officer of Parent is subject to any order, writ, injunction, judgment or decree that prohibits such officer or employee from engaging in or continuing any conduct, activity or practice relating to the business of Parent or to any material assets owned or used by Parent.

3.16 **Tax Matters.**

(a) Parent and Merger Sub have timely filed all income Tax Returns and other material Tax Returns that they were required to file under applicable Law. All such Tax Returns are correct and complete in all material respects and have been prepared in compliance with all applicable Law. No claim has ever been made by any Governmental Body in any jurisdiction where Parent or Merger Sub does not file a particular Tax Return or pay a particular Tax that Parent or Merger Sub is subject to taxation by that jurisdiction.

(b) All income and other material Taxes due and owing by Parent or Merger Sub on or before the date hereof (whether or not shown on any Tax Return) have been fully paid. The unpaid Taxes of Parent and Merger Sub did not, as of the date of the Parent Balance Sheet, materially exceed the reserve for Tax liability (excluding any reserve for deferred Taxes established to reflect timing differences between book and Tax items) set forth on the face of the Parent Balance Sheet. Since the Parent Balance Sheet Date, neither Parent nor Merger Sub has incurred any material Liability for Taxes outside the Ordinary Course of Business.

(c) All Taxes that Parent or Merger Sub are or were required by Law to withhold or collect have been duly and timely withheld or collected in all material respects on behalf of its respective employees, independent contractors, stockholders, lenders, customers or other third parties and, have been timely paid to the proper Governmental Body or other Person or properly set aside in accounts for this purpose.

(d) There are no Encumbrances for material Taxes (other than Permitted Encumbrances) upon any of the assets of Parent or Merger Sub.

(e) No deficiencies for income or other material Taxes with respect to Parent or Merger Sub have been claimed, proposed or assessed by any Governmental Body in writing. There are no pending or ongoing, and to the Knowledge of Parent, threatened audits, assessments or other actions for or relating to any liability in respect of a material amount of Taxes of Parent or Merger Sub. Neither Parent nor Merger Sub (or any of their predecessors) has waived any statute of limitations in respect of any income or other material Taxes or agreed to any extension of time with respect to any income or other material Tax assessment or deficiency.

(f) Parent has not been a United States real property holding corporation within the meaning of Section 897(c)(2) of the Code during the applicable period specified in Section 897(c)(1)(A)(ii) of the Code.

(g) Neither Parent nor Merger Sub is a party to any Tax allocation agreement, Tax sharing agreement, Tax indemnity agreement, or similar agreement or arrangement, other than customary commercial contracts entered into in the Ordinary Course of Business the principal subject matter of which is not Taxes.

(h) Neither Parent nor Merger Sub will be required to include any material item of income in, or exclude any material item of deduction from, taxable income for any Tax period (or portion thereof) ending after the Closing Date as a result of any: (i) change in method of accounting for Tax purposes filed on or prior to the Closing Date; (ii) use of an improper method of accounting for a Tax period ending on or prior to the Closing Date; (iii) “closing agreement” as described in Section 7121 of the Code (or any similar provision of state, local or foreign Law) executed on or prior to the Closing Date; (iv) intercompany transaction or excess loss account described in Treasury Regulations under Section 1502 of the Code (or any similar provision of state, local or foreign Law) entered into on or prior to the Closing Date; (v) installment sale or open transaction disposition made on or prior to the Closing Date; (vi) prepaid amount received on or prior to the Closing Date; or (vii) election under Section 108(i) of the Code (or any similar provision of state, local or foreign Law) made on or prior to the Closing Date. Parent has not made any election under Section 965(h) of the Code.

(i) Neither Parent nor Merger Sub has ever been (i) a member of a consolidated, combined or unitary Tax group (other than such a group the common parent of which is Parent) or (ii) a party to any joint venture, partnership, or other arrangement that is treated as a partnership for U.S. federal income Tax purposes. Neither Parent nor Merger Sub has any Liability for any material Taxes of any Person (other than Parent and Merger Sub) under Treasury Regulations Section 1.1502-6 (or any similar provision of state, local, or foreign Law), or as a transferee or successor.

(j) Neither Parent nor Merger Sub has, since January 1, 2017, distributed stock of another Person, or had its stock distributed by another Person, in a transaction that was purported or intended to be governed in whole or in part by Section 355 of the Code or Section 361 of the Code (or any similar provisions of state, local or foreign Law).

(k) Neither Parent nor Merger Sub (i) is a “controlled foreign corporation” as defined in Section 957 of the Code; (ii) is a “passive foreign investment company” within the meaning of Section 1297 of the Code; (iii) has ever had a permanent establishment (within the meaning of an applicable Tax treaty) or otherwise had an office or fixed place of business in a country other than the country in which it is organized; (iv) is or was a “surrogate foreign corporation” within the meaning of Section 7874(a)(2)(B) or is treated as a U.S. corporation under Section 7874(b) of the Code; or (v) was created or organized in the U.S. such that such entity would be taxable in the U.S. as a domestic entity pursuant to the dual charter provision of Treasury Regulations Section 301.7701-5(a).

(l) Neither Parent nor Merger Sub has participated in or been a party to a transaction that, as of the date of this Agreement, constitutes a “listed transaction” that is required to be reported to the IRS pursuant to Section 6011 of the Code and applicable Treasury Regulations thereunder.

(m) Neither Parent nor Merger Sub has taken or agreed to take any action or knows of any fact that would reasonably be expected to prevent the Merger from qualifying for the Intended Tax Treatment.

For purposes of this [Section 3.16](#), each reference to Parent or Merger Sub shall be deemed to include any Person that was liquidated into, merged with, or is otherwise a predecessor to, Parent or Merger Sub, respectively.

(a) Section 3.17(a) of the Parent Disclosure Schedule is a list of all Parent Benefit Plans, including, without limitation, each Parent Benefit Plan that provides for retirement, change in control, stay or retention deferred compensation, incentive compensation, severance or retiree medical or life insurance benefits. “**Parent Benefit Plan**” means each (i) “employee benefit plan” as defined in Section 3(3) of ERISA and (ii) other pension, retirement, deferred compensation, excess benefit, profit sharing, bonus, incentive, equity or equity-based (other than individual Parent Options made pursuant to the Parent’s standard forms, in which case only representative standard forms of such stock option agreements shall be scheduled), phantom equity, employment, offer letter, consulting, severance, change-of-control, retention, health, life, disability, group insurance, paid-time off, holiday, welfare and fringe benefit plan, program, contract, or arrangement (whether written or unwritten, qualified or nonqualified, funded or unfunded and including any that have been frozen), in any case, maintained, contributed to, or required to be contributed to, by Parent or Parent ERISA Affiliates for the benefit of any current or former employee, director, officer or independent contractor of Parent or under which Parent has any actual or contingent liability (including, without limitation, as to the result of it being treated as a single employer under Code Section 414 with any other person).

(b) As applicable with respect to each Parent Benefit Plan, Parent has made available to the Company, true and complete copies of (i) each Parent Benefit Plan, including all amendments thereto, and in the case of an unwritten Parent Benefit Plan, a written description thereof, (ii) all current trust documents, investment management contracts, custodial agreements, administrative services agreements and insurance and annuity contracts relating thereto, (iii) the current summary plan description and each summary of material modifications thereto, (iv) the most recently filed annual reports with any Governmental Body (*e.g.*, Form 5500 and all schedules thereto), (v) the most recent IRS determination, opinion or advisory letter, (vi) the most recent summary annual reports, nondiscrimination testing reports, actuarial reports, financial statements and trustee reports, (vii) all records, notices and filings concerning IRS or Department of Labor or other Governmental Body audits or investigations, “prohibited transactions” within the meaning of Section 406 of ERISA or Section 4975 of the Code and (viii) all policies and procedures established to comply with the privacy and security rules of HIPAA.

(c) Each Parent Benefit Plan has been maintained, operated and administered in compliance in all material respects with its terms and any related documents or agreements and the applicable provisions of ERISA, the Code and all other Laws.

(d) The Parent Benefit Plans which are “employee pension benefit plans” within the meaning of Section 3(2) of ERISA and which are intended to meet the qualification requirements of Section 401(a) of the Code have received determination or opinion letters from the IRS on which they may currently rely to the effect that such plans are qualified under Section 401(a) of the Code and the related trusts are exempt from federal income Taxes under Section 501(a) of the Code, respectively, and to the Knowledge of Parent nothing has occurred that would reasonably be expected to materially adversely affect the qualification of such Parent Benefit Plan or the tax exempt status of the related trust.

(e) Neither Parent nor any Parent ERISA Affiliate maintains, contributes to, is required to contribute to, or has any actual or contingent liability with respect to, (i) any “employee pension benefit plan” (within the meaning of Section 3(2) of ERISA) that is subject to Title IV or Section 302 of ERISA or Section 412 of the Code, (ii) any “multiemployer plan” (within the meaning of Section 3(37) of ERISA), (iii) any “multiple employer plan” (within the meaning of Section 413 of the Code) or (iv) any “multiple employer welfare arrangement” (within the meaning of Section 3(40) of ERISA).

(f) There are no pending audits or investigations by any Governmental Body involving any Parent Benefit Plan, and no pending or, to the Knowledge of Parent, threatened claims (except for individual claims for benefits payable in the normal operation of the Parent Benefit Plans), suits or proceedings involving any Parent Benefit Plan, any fiduciary thereof or service provider thereto, in any case, except as would not be reasonably expected to result in material liability to Parent. All contributions and premium payments required to have been made under any of the Parent Benefit Plans or by applicable Law (without regard to any waivers granted under Section 412 of the Code), have been timely made in all material respects and neither Parent nor any Parent ERISA Affiliate has any material liability for any unpaid contributions with respect to any Parent Benefit Plan.

(g) Neither Parent or any Parent ERISA Affiliates, nor to the Knowledge of Parent, any fiduciary, trustee or administrator of any Parent Benefit Plan, has engaged in, or in connection with the transactions contemplated by this Agreement will engage in, any transaction with respect to any Parent Benefit Plan which would subject any such Parent Benefit Plan, Parent or Parent ERISA Affiliates to a material Tax, material penalty or material liability for a “prohibited transaction” under Section 406 of ERISA or Section 4975 of the Code.

(h) No Parent Benefit Plan provides death, medical, dental, vision, life insurance or other welfare benefits beyond termination of service or retirement other than coverage mandated by Law and neither Parent nor any Parent ERISA Affiliates has made a written or oral representation promising the same.

(i) Neither the execution of, nor the performance of the transactions contemplated by, this Agreement will either alone or in connection with any other event(s) (i) result in any payment becoming due to any current or former employee, director, officer, or independent contractor of Parent, (ii) increase any amount of compensation or benefits otherwise payable under any Parent Benefit Plan, (iii) result in the acceleration of the time of payment, funding or vesting of any benefits under any Parent Benefit Plan, (iv) require any contribution or payment to fund any obligation under any Parent Benefit Plan or (v) limit the right to merge, amend or terminate any Parent Benefit Plan.

(j) Neither the execution of, nor the consummation of the transactions contemplated by this Agreement (either alone or when combined with the occurrence of any other event, including without limitation, a termination of employment) will result in the receipt or retention by any person who is a “disqualified individual” (within the meaning of Code Section 280G) with respect to Parent of any payment or benefit that is or could be characterized as a “parachute payment” (within the meaning of Code Section 280G), determined without regard to the application of Code Section 280G(b) (5).

(k) The exercise price of each Parent Option is not, never has been, less than the fair market value of one share of Parent Common Stock as of the grant date of such Parent Option.

(l) Each Parent Benefit Plan providing for deferred compensation that constitutes a “nonqualified deferred compensation plan” (as defined in Section 409A(d)(1) of the Code and the regulations promulgated thereunder) is, and has been, established, administered and maintained in compliance with the requirements of Section 409A of the Code and the regulations promulgated thereunder in all material respects.

(m) No current or former employee, officer, director or independent contractor of Parent has any “gross up” agreements with the Parent or other assurance of reimbursement by the Parent for any Taxes imposed under Code Section 409A or Code Section 4999.

(n) Parent has provided to the Company a true and correct list, as of the date of this Agreement, containing the names of all full-time, part-time or temporary employees and independent contractors (and indication as such), and, as applicable: (i) the annual dollar amount of all compensation (including wages, salary or fees, commissions, director's fees, fringe benefits, bonuses, profit sharing payments, and other payments or benefits of any type) payable to each person; (ii), dates of employment or service; (iii) title; (iv) any eligibility to receive severance, notice of termination, retention payment, change of control payment, or other similar compensation; (v) visa status, if applicable; and (vi) with respect to employees, a designation of whether they are classified as exempt or non-exempt for purposes of FLSA and any similar state law.

(o) Parent is not and never has been a party to, bound by, or has a duty to bargain under, any collective bargaining agreement or other Contract with a labor union, labor organization, or similar Person representing any of its employees, and there is no labor union, labor organization, or similar Person representing or, to the Knowledge of Parent, purporting to represent or seeking to represent any employees of Parent, including through the filing of a petition for representation election. There is not and has not been in the past three years, nor is there or has there been in the past three years any threat of, any strike, slowdown, work stoppage, lockout, union election petition, demand for recognition, or any similar activity or dispute, or, to the Knowledge of Parent, any union organizing activity, against Parent or any of its Subsidiaries. No event has occurred, and no condition or circumstance exists, that might directly or indirectly be likely to give rise to or provide a basis for the commencement of any such strike, slowdown, work stoppage, lockout, union election petition, demand for recognition, any similar activity or dispute, or, to the Knowledge of Parent, any union organizing activity.

(p) Parent is, and since January 1, 2016 has been, in material compliance with all applicable Laws respecting labor, employment, employment practices, and terms and conditions of employment, including worker classification, discrimination, harassment and retaliation, equal employment opportunities, fair employment practices, meal and rest periods, immigration, employee safety and health, payment of wages (including overtime wages), unemployment and workers' compensation, leaves of absence, and hours of work. Except as would not be reasonably likely to result in a material liability to Parent, with respect to employees of Parent, Parent, since January 1, 2016: (i) has withheld and reported all amounts required by Law or by agreement to be withheld and reported with respect to wages, salaries and other payments, benefits, or compensation to employees, (ii) is not liable for any arrears of wages (including overtime wages), severance pay or any Taxes or any penalty for failure to comply with any of the foregoing, and (iii) is not liable for any payment to any trust or other fund governed by or maintained by or on behalf of any Governmental Body, with respect to unemployment compensation benefits, disability, social security or other benefits or obligations for employees (other than routine payments to be made in the Ordinary Course of Business). There are no actions, suits, claims, charges, lawsuits, investigations, audits or administrative matters pending or, to the Knowledge of Parent, threatened or reasonably anticipated against Parent relating to any employee, applicant for employment, consultant, employment agreement or Parent Benefit Plan (other than routine claims for benefits).

(q) Except as would not be reasonably likely to result in a material liability to Parent, with respect to each individual who currently renders services to Parent, Parent has accurately classified each such individual as an employee, independent contractor, or otherwise under all applicable Laws and, for each individual classified as an employee, Parent has accurately classified him or her as exempt or non-exempt under all applicable Laws. Parent has no material liability with respect to any misclassification of: (i) any Person as an independent contractor rather than as an employee, (ii) any employee leased from another employer, or (iii) any employee currently or formerly classified as exempt under all applicable Laws.

(r) Within the preceding five (years, Parent has not implemented any “plant closing” or “mass layoff” of employees that would reasonably be expected to require notification under the WARN Act or any similar state or local Law, no such “plant closing” or “mass layoff” will be implemented before the Closing Date without advance notification to and approval of Parent, and there has been no “employment loss” as defined by the WARN Act within the 90 days prior to the Closing Date.

(s) There is no Legal Proceeding, claim, unfair labor practice charge or complaint, labor dispute or grievance pending or, to the Knowledge of Parent, threatened against Parent relating to labor, employment, employment practices, or terms and conditions of employment.

(t) No Parent Benefit Plan is maintained outside the United States.

(u) Since September 30, 2018 through the date of this Agreement, no employee of Parent has terminated his or her employment for any reason.

3.18 **Environmental Matters.** Parent is and since January 1, 2013 has complied with all applicable Environmental Laws, which compliance includes the possession by Parent of all permits and other Governmental Authorizations required under applicable Environmental Laws and compliance with the terms and conditions thereof, except for any failure to be in such compliance that, either individually or in the aggregate, would not reasonably be expected to be material to Parent or its business. Parent has not received since January 1, 2013 (or prior to that time, which is pending and unresolved), any written notice or other communication (in writing or otherwise), whether from a Governmental Body or other Person, that alleges that Parent is not in compliance with or has liability pursuant to any Environmental Law and, to the Knowledge of Parent, there are no circumstances that would reasonably be expected to prevent or interfere with Parent’s compliance in any material respects with any Environmental Law, except where such failure to comply would not reasonably be expected to be material to Parent or its business. No current or (during the time a prior property was leased or controlled by Parent) prior property leased or controlled by Parent has had a release of or exposure to Hazardous Materials in material violation of or as would reasonably be expected to result in any material liability of Parent pursuant to Environmental Law. No consent, approval or Governmental Authorization of or registration or filing with any Governmental Body is required by Environmental Laws in connection with the execution and delivery of this Agreement or the consummation of Contemplated Transactions. Prior to the date hereof, Parent has provided or otherwise made available to the Company true and correct copies of all material environmental reports, assessments, studies and audits in the possession or control of Parent with respect to any property leased or controlled by Parent or any business operated by it.

3.19 **Transactions with Affiliates.** Except as set forth in the Parent SEC Documents filed prior to the date of this Agreement, since the date of Parent’s last proxy statement filed in 2017 with the SEC, no event has occurred that would be required to be reported by Parent pursuant to Item 404 of Regulation S-K. Section 3.19 of the Parent Disclosure Schedule identifies each Person who is (or who may be deemed to be) an Affiliate of Parent as of the date of this Agreement.

3.20 **Insurance.** Parent has delivered or made available to the Company accurate and complete copies of all material insurance policies and all material self-insurance programs and arrangements relating to the business, assets, liabilities and operations of Parent. Each of such insurance policies is in full force and effect and Parent is in compliance in all material respects with the terms thereof. Other than customary end of policy notifications from insurance carriers, since January 1, 2016, Parent has not received any notice or other communication regarding any actual or possible: (a) cancellation or invalidation of any insurance policy; or (b) refusal or denial of any coverage, reservation of rights or rejection of any material claim under any insurance policy. Parent has provided timely written notice to the appropriate insurance carrier(s) of each Legal Proceeding that is currently pending against Parent for

which Parent has insurance coverage, and no such carrier has issued a denial of coverage or a reservation of rights with respect to any such Legal Proceeding, or informed Parent of its intent to do so.

3.21 **No Financial Advisors.** Except as set forth on Section 3.21 of the Parent Disclosure Schedule, no broker, finder or investment banker is entitled to any brokerage fee, finder's fee, opinion fee, success fee, transaction fee or other fee or commission in connection with the Contemplated Transactions based upon arrangements made by or on behalf of Parent.

3.22 **Anti-Bribery.** Neither Parent nor any of its directors, officers, employees or, to Parent's Knowledge, agents or any other Person acting on its behalf has directly or indirectly made any bribes, rebates, payoffs, influence payments, kickbacks, illegal payments, illegal political contributions, or other payments, in the form of cash, gifts, or otherwise, or taken any other action, in violation of Anti-Bribery Laws. Parent is not or has not been the subject of any investigation or inquiry by any Governmental Body with respect to potential violations of Anti-Bribery Laws.

3.23 **Valid Issuance.** The Parent Common Stock to be issued in the Merger will, when issued in accordance with the provisions of this Agreement, be validly issued, fully paid and nonassessable.

3.24 **Opinion of Financial Advisor.** The Parent Board has received an opinion of Aquilo Partners, L.P. to the effect that, as of the date of this Agreement and subject to the assumptions, qualifications, limitations and other matters set forth therein that the Consideration is fair, from a financial point of view, to the holders of Parent Common Stock. It is agreed and understood that such opinion is for the benefit of the Parent Board and may not be relied upon by the Company.

3.25 **Disclaimer of Other Representations or Warranties.**

(a) Except as previously set forth in this Section 3 or in any certificate delivered by Parent or Merger Sub to the Company pursuant to this Agreement, neither Parent nor Merger Sub makes any representation or warranty, express or implied, at law or in equity, with respect to it or any of its assets, liabilities or operations, and any such other representations or warranties are hereby expressly disclaimed.

(b) Each of Parent and Merger Sub acknowledges and agrees that, except for the representations and warranties of the Company set forth in Section 2, none of the Company or any of their respective Representatives is relying on any other representation or warranty of the Company or any other Person made outside of Section 2, including regarding the accuracy or completeness of any such other representations or warranties or the omission of any material information, whether express or implied, in each case, with respect to the Contemplated Transactions.

Section 4. CERTAIN COVENANTS OF THE PARTIES

4.1 **Operation of Parent's Business.**

(a) Except as set forth on Section 4.1(a) of the Parent Disclosure Schedule, as expressly permitted by this Agreement, as required by applicable Law or unless the Company shall otherwise consent in writing (which consent shall not be unreasonably withheld, delayed or conditioned), during the period commencing on the date of this Agreement and continuing until the earlier to occur of the termination of this Agreement pursuant to Section 9 and the Effective Time (the "**Pre-Closing Period**"): each of Parent and Merger Sub shall conduct its business and operations in the Ordinary Course of Business and in compliance in all material respects with all applicable Laws and the requirements of all Contracts that constitute Parent Material Contracts.

(b) Except (i) as expressly permitted by this Agreement, (ii) as set forth in Section 4.1(b) of the Parent Disclosure Schedule, (iii) as required by applicable Law or (iv) with the prior written consent of the Company (which consent shall not be unreasonably withheld, delayed or conditioned), at all times during the Pre-Closing Period, Parent shall not, nor shall its cause or permit Merger Sub to, do any of the following:

(i) declare, accrue, set aside or pay any dividend or make any other distribution in respect of any shares of its capital stock or repurchase, redeem or otherwise reacquire any shares of its capital stock or other securities (except in connection with the payment of withholding Taxes incurred upon the exercise, settlement or vesting of any award granted under the Parent Stock Plans in accordance with the terms of such award in effect on the date of this Agreement);

(ii) sell, issue, grant, pledge or otherwise dispose of or encumber or authorize any of the foregoing with respect to: (A) any capital stock or other security of Parent (except for Parent Common Stock issued upon the valid exercise of outstanding Parent Options or Parent Warrants); (B) any option, warrant or right to acquire any capital stock or any other security; or (C) any instrument convertible into or exchangeable for any capital stock or other security of Parent;

(iii) except as required to give effect to anything in contemplation of the Closing, amend any of its Organizational Documents, or effect or be a party to any merger, consolidation, share exchange, business combination, recapitalization, reclassification of shares, stock split, reverse stock split or similar transaction except, for the avoidance of doubt, the Contemplated Transactions;

(iv) form any Subsidiary or acquire any equity interest or other interest in any other Entity or enter into a joint venture with any other Entity;

(v) (A) lend money to any Person, (B) incur or guarantee any indebtedness for borrowed money, (C) guarantee any debt securities of others, or (D) make any capital expenditure or commitment in excess of the budgeted capital expenditure and commitment amounts set forth in the Parent operating budget delivered to the Company concurrently with the execution of this Agreement (the "**Parent Budget**");

(vi) other than as required by applicable Law or the terms of any Parent Benefit Plan as in effect on the date of this Agreement: (A) adopt, terminate, establish or enter into any Parent Benefit Plan; (B) cause or permit any Parent Benefit Plan to be amended in any material respect (other than approval of the 2019 Plan pursuant to Section 5.20); (C) pay any bonus or make any profit-sharing or similar payment to, or increase the amount of the wages, salary, commissions, benefits or other compensation or remuneration payable to, any of its directors, officers or employees; (D) increase the severance, retention or change of control benefits offered to any current or former or new employees, directors or consultants; (E) hire or retain any officer, employee or consultant; or (F) terminate or give notice of termination to any officer or employee, other than any termination for cause;

(vii) recognize any labor union, labor organization, or similar Person except as otherwise required by law and after advance notice to the Company;

(viii) enter into any transaction other than in the Ordinary Course of Business;

(ix) enter into any transaction with respect to the SARD Compound or the SARM Compound (each, as defined in the CVR Agreement);

(x) acquire any material asset or sell, lease or otherwise irrevocably dispose of any of its material assets or properties, or grant any Encumbrance with respect to such assets or properties;

(xi) sell, assign, transfer, license, sublicense or otherwise dispose of any material Parent IP (other than pursuant to non-exclusive licenses in the Ordinary Course of Business);

(xii) make, change or revoke any material Tax election, fail to pay any income or other material Tax as such Tax becomes due and payable, file any amendment making any material change to any Tax Return, settle or compromise any income or other material Tax liability, enter into any Tax allocation, sharing, indemnification or other similar agreement or arrangement (other than customary commercial contracts entered into in the Ordinary Course of Business the principal subject matter of which is not Taxes), request or consent to any extension or waiver of any limitation period with respect to any claim or assessment for any income or other material Taxes (other than pursuant to an extension of time to file any Tax Return granted in the Ordinary Course of Business of not more than six months), or adopt or change any material accounting method in respect of Taxes;

(xiii) enter into, materially amend or terminate any Parent Material Contract;

(xiv) except as otherwise set forth in the Parent Budget (and other than incurrence or payment of Parent Transaction Expenses up to an aggregate of \$100,000 in excess of the amount budgeted for the aggregate Parent Transaction Expenses in the Parent Budget), make any expenditures, incur any Liabilities or discharge or satisfy any Liabilities, in each case, in amounts that exceed the aggregate amount of the Parent Budget;

(xv) other than as required by Law or GAAP, take any action to change accounting policies or procedures;

(xvi) initiate or settle any Legal Proceeding; or

(xvii) agree, resolve or commit to do any of the foregoing.

Nothing contained in this Agreement shall give the Company, directly or indirectly, the right to control or direct the operations of Parent prior to the Effective Time. Prior to the Effective Time, Parent shall exercise, consistent with the terms and conditions of this Agreement, complete unilateral control and supervision over its business operations.

4.2 **Operation of the Company's Business.**

(a) Except as set forth on Section 4.2(a) of the Company Disclosure Schedule, as expressly permitted by this Agreement, as required by applicable Law or unless Parent shall otherwise consent in writing (which consent shall not be unreasonably withheld, delayed or conditioned), during the Pre-Closing Period: each of the Company and its Subsidiaries shall conduct its business and operations in the Ordinary Course of Business and in compliance in all material respects with all applicable Laws and the requirements of all Contracts that constitute Company Material Contracts.

(b) Except (i) as expressly permitted by this Agreement, (ii) as set forth in Section 4.2(b) of the Company Disclosure Schedule, (iii) as required by applicable Law or (iv) with the prior written consent of Parent (which consent shall not be unreasonably withheld, delayed or conditioned), at all times during the Pre-Closing Period, the Company shall not, nor shall it cause or permit any of its Subsidiaries to, do any of the following:

(i) declare, accrue, set aside or pay any dividend or make any other distribution in respect of any shares of its capital stock or repurchase, redeem or otherwise reacquire any shares of its capital stock or other securities (except for shares of Company Common Stock from terminated employees, directors or consultants of the Company);

(ii) sell, issue, grant, pledge or otherwise dispose of or encumber or authorize any of the foregoing with respect to: (A) any capital stock or other security of the Company or any of its Subsidiaries (except for shares of outstanding Company Common Stock issued upon the valid exercise of Company Options or Company Warrants); (B) any option, warrant, right to acquire any capital stock or any other security; or (C) any other instrument convertible into or exchangeable for any capital stock or other security of the Company or any of its Subsidiaries;

(iii) except as required to give effect to anything in contemplation of the Closing, amend any of its or its Subsidiaries' Organizational Documents, or effect or be a party to any merger, consolidation, share exchange, business combination, recapitalization, reclassification of shares, stock split, reverse stock split or similar transaction except, for the avoidance of doubt, the Contemplated Transactions;

(iv) form any Subsidiary or acquire any equity interest or other interest in any other Entity or enter into a joint venture with any other Entity;

(v) (A) lend money to any Person, (B) incur or guarantee any indebtedness for borrowed money, (C) guarantee any debt securities of others, or (D) make any capital expenditure or commitment in excess of \$500,000;

(vi) other than as required by applicable Law or the terms of any Company Benefit Plan as in effect on the date of this Agreement: (A) adopt, terminate, establish or enter into any Company Benefit Plan; (B) cause or permit any Company Benefit Plan to be amended in any material respect; (C) pay any bonus or make any profit-sharing or similar payment to, or increase the amount of the wages, salary, commissions, benefits or other compensation or remuneration payable to, any of its directors, officers or employees; (D) increase the severance or change of control benefits offered to any current or new employees, directors or consultants or (E) terminate or give notice of termination to any (x) officer or (y) employee whose annual base salary is or is expected to be more than \$125,000 per year, other than any termination for cause;

(vii) recognize any labor union, labor organization, or similar Person, except as otherwise required by law and after advance notice to the Parent;

(viii) enter into any transaction other than in the Ordinary Course of Business;

(ix) acquire any material asset or sell, lease or otherwise irrevocably dispose of any of its material assets or properties, or grant any Encumbrance with respect to such assets or properties;

(x) sell, assign, transfer, license, sublicense or otherwise dispose of any material Company IP (other than pursuant to non-exclusive licenses in the Ordinary Course of Business);

(xi) make, change or revoke any material Tax election, fail to pay any income or other material Tax as such Tax becomes due and payable, file any amendment making any material change to any Tax Return, settle or compromise any income or other material Tax liability, enter into any Tax allocation, sharing, indemnification or other similar agreement or arrangement (other than customary commercial contracts entered into in the Ordinary Course of Business the principal subject matter of which is not Taxes), request or consent to any extension or waiver of any limitation period with respect to any claim or assessment for any income or other material Taxes (other than pursuant to an extension of time to file any Tax Return granted in the Ordinary Course of Business of not more than six months), or adopt or change any material accounting method in respect of Taxes;

(xii) enter into, materially amend or terminate any Company Material Contract;

(xiii) other than incurrence or payment of any Company Transaction Expenses, make any expenditures, incur any Liabilities or discharge or satisfy any Liabilities, in each case, in amounts that exceed \$500,000 in the aggregate;

(xiv) other than as required by Law or GAAP, take any action to change accounting policies or procedures;

(xv) initiate or settle any Legal Proceeding; or

(xvi) agree, resolve or commit to do any of the foregoing.

(c) Nothing contained in this Agreement shall give Parent, directly or indirectly, the right to control or direct the operations of the Company prior to the Effective Time. Prior to the Effective Time, the Company shall exercise, consistent with the terms and conditions of this Agreement, complete unilateral control and supervision over its business operations.

4.3 **Access and Investigation.**

(a) Subject to the terms of the Confidentiality Agreement, which the Parties agree will continue in full force following the date of this Agreement, during the Pre-Closing Period, upon reasonable notice, Parent, on the one hand, and the Company, on the other hand, shall and shall use commercially reasonable efforts to cause such Party's Representatives to: (i) provide the other Party and such other Party's Representatives with reasonable access during normal business hours to such Party's Representatives, personnel, property and assets and to all existing books, records, Tax Returns, work papers and other documents and information relating to such Party and its Subsidiaries; (ii) provide the other Party and such other Party's Representatives with such copies of the existing books, records, Tax Returns, work papers, product data, and other documents and information relating to such Party and its Subsidiaries, and with such additional financial, operating and other data and information regarding such Party and its Subsidiaries as the other Party may reasonably request; (iii) permit the other Party's officers and other employees to meet, upon reasonable notice and during normal business hours, with the chief financial officer and other officers and managers of such Party responsible for such Party's financial statements and the internal controls of such Party to discuss such matters as the other Party may deem necessary or appropriate and; (iv) make available to the other Party copies of unaudited financial statements, material

operating and financial reports prepared for senior management or the board of directors of such Party, and any material notice, report or other document filed with or sent to or received from any Governmental Body in connection with the Contemplated Transactions. Any investigation conducted by either Parent or the Company pursuant to this Section 4.3 shall be conducted in such manner as not to interfere unreasonably with the conduct of the business of the other Party.

(b) Notwithstanding the foregoing, any Party may restrict the foregoing access to the extent that any Law applicable to such Party requires such Party to restrict or prohibit access to any such properties or information.

4.4 **Parent Non-Solicitation.**

(a) Parent agrees that, during the Pre-Closing Period, it shall not, and shall not authorize any of its Representatives to, directly or indirectly: (i) solicit, initiate or knowingly encourage, induce or facilitate the communication, making, submission or announcement of any Acquisition Proposal or Acquisition Inquiry or take any action that could reasonably be expected to lead to an Acquisition Proposal or Acquisition Inquiry; (ii) furnish any non-public information regarding Parent to any Person in connection with or in response to an Acquisition Proposal or Acquisition Inquiry; (iii) engage in discussions or negotiations with any Person with respect to any Acquisition Proposal or Acquisition Inquiry; (iv) approve, endorse or recommend any Acquisition Proposal (subject to Section 5.3); (v) execute or enter into any letter of intent or any Contract contemplating or otherwise relating to any Acquisition Transaction (other than a confidentiality agreement permitted under this Section 4.4(a)); or (vi) publicly propose to do any of the foregoing; *provided, however*, that, notwithstanding anything contained in this Section 4.4 and subject to compliance with this Section 4.4, prior to obtaining the Required Parent Stockholder Vote, Parent may furnish non-public information regarding Parent to, and enter into discussions or negotiations with, any Person in response to a *bona fide* Acquisition Proposal by such Person, which the Parent Board determines in good faith, after consultation with Parent's outside financial advisors and outside legal counsel, constitutes, or is reasonably likely to result in, a Superior Offer (and is not withdrawn) if: (A) neither Parent nor any of its Representatives shall have breached this Section 4.4 in any material respect, (B) the Parent Board concludes in good faith based on the advice of outside legal counsel, that the failure to take such action is reasonably likely to be inconsistent with the fiduciary duties of the Parent Board under applicable Law; (C) at least two (2) Business Days prior to furnishing such nonpublic confidential information to, or entering into discussions with, such Person, Parent gives the Company written notice of the identity of such Person and of Parent's intention to furnish nonpublic information to, or enter into discussions with, such Person; (D) Parent receives from such Person an executed confidentiality agreement containing provisions, in the aggregate, at least as favorable to Parent as those contained in the Confidentiality Agreement; and (E) at least two (2) Business Days prior to furnishing any such nonpublic information to such Person, Parent furnishes such nonpublic information to the Company (to the extent such information has not been previously furnished by Parent to the Company). Without limiting the generality of the foregoing, Parent acknowledges and agrees that, in the event any Representative of Parent (whether or not such Representative is purporting to act on behalf of Parent) takes any action that, if taken by Parent, would constitute a breach of this Section 4.4, the taking of such action by such Representative shall be deemed to constitute a breach of this Section 4.4 by Parent for purposes of this Agreement.

(b) If Parent or any Representative of Parent receives an Acquisition Proposal or Acquisition Inquiry at any time during the Pre-Closing Period, then Parent shall promptly (and in no event later than twenty-four (24) hours after Parent becomes aware of such Acquisition Proposal or Acquisition Inquiry) advise the Company orally and in writing of such Acquisition Proposal or Acquisition Inquiry (including the identity of the Person making or submitting such Acquisition Proposal or Acquisition Inquiry, and the material terms thereof). Parent shall keep the Company reasonably informed with respect

to the status and material terms of any such Acquisition Proposal or Acquisition Inquiry and any material modification or proposed material modification thereto.

(c) Parent shall immediately cease and cause to be terminated any existing discussions, negotiations and communications with any Person that relate to any Acquisition Proposal or Acquisition Inquiry as of the date of this Agreement and request the destruction or return of any nonpublic information of Parent provided to such Person.

4.5 **Company Non-Solicitation.**

(a) The Company agrees that, during the Pre-Closing Period, neither it nor any of its Subsidiaries shall, nor shall it or any of its Subsidiaries authorize any of its Representatives to, directly or indirectly: (i) solicit, initiate or knowingly encourage, induce or facilitate the communication, making, submission or announcement of any Acquisition Proposal or Acquisition Inquiry or take any action that could reasonably be expected to lead to an Acquisition Proposal or Acquisition Inquiry; (ii) furnish any non-public information regarding the Company or any of its Subsidiaries to any Person in connection with or in response to an Acquisition Proposal or Acquisition Inquiry; (iii) engage in discussions or negotiations with any Person with respect to any Acquisition Proposal or Acquisition Inquiry; (iv) approve, endorse or recommend any Acquisition Proposal; (v) execute or enter into any letter of intent or any Contract contemplating or otherwise relating to any Acquisition Transaction; or (vi) publicly propose to do any of the foregoing *provided, however*, that, notwithstanding anything contained in this Section 4.5 and subject to compliance with this Section 4.5, prior to obtaining the Required Company Stockholder Vote, the Company may furnish non-public information regarding the Company to, and enter into discussions or negotiations with, any Person in response to a *bona fide* Acquisition Proposal by such Person, which the Company Board determines in good faith, after consultation with the Company's outside financial advisors and outside legal counsel, constitutes, or is reasonably likely to result in, a Superior Offer (and is not withdrawn) if: (A) neither the Company nor any of its Representatives shall have breached this Section 4.5 in any material respect, (B) the Company Board concludes in good faith based on the advice of outside legal counsel, that the failure to take such action is reasonably likely to be inconsistent with the fiduciary duties of the Company Board under applicable Law; (C) at least two (2) Business Days prior to furnishing such nonpublic confidential information to, or entering into discussions with, such Person, the Company gives Parent written notice of the identity of such Person and of the Company's intention to furnish nonpublic information to, or enter into discussions with, such Person; (D) the Company receives from such Person an executed confidentiality agreement containing provisions, in the aggregate, at least as favorable to the Company as those contained in the Confidentiality Agreement; and (E) at least two (2) Business Days prior to furnishing any such nonpublic information to such Person, the Company furnishes such nonpublic information to Parent (to the extent such information has not been previously furnished by the Company to Parent). Without limiting the generality of the foregoing, the Company acknowledges and agrees that, in the event any Representative of the Company (whether or not such Representative is purporting to act on behalf of the Company) takes any action that, if taken by the Company, would constitute a breach of this Section 4.5, the taking of such action by such Representative shall be deemed to constitute a breach of this Section 4.5 by the Company for purposes of this Agreement.

(b) If the Company or any Representative of the Company receives an Acquisition Proposal or Acquisition Inquiry at any time during the Pre-Closing Period, then the Company shall promptly (and in no event later than twenty-four (24) hours after the Company becomes aware of such Acquisition Proposal or Acquisition Inquiry) advise Parent orally and in writing of such Acquisition Proposal or Acquisition Inquiry (including the identity of the Person making or submitting such Acquisition Proposal or Acquisition Inquiry, and the material terms thereof). The Company shall keep Parent reasonably informed with respect to the status and material terms of any such Acquisition Proposal or Acquisition Inquiry and any material modification or proposed material modification thereto.

(c) The Company shall immediately cease and cause to be terminated any existing discussions, negotiations and communications with any Person that relate to any Acquisition Proposal or Acquisition Inquiry as of the date of this Agreement and request the destruction or return of any nonpublic information of the Company or any of its Subsidiaries provided to such Person.

4.6 Notification of Certain Matters.

(a) During the Pre-Closing Period, the Company shall promptly notify Parent (and, if in writing, furnish copies of) if any of the following occurs: (i) any notice or other communication is received from any Person alleging that the Consent of such Person is or may be required in connection with any of the Contemplated Transactions; (ii) any Legal Proceeding against or involving or otherwise affecting the Company or its Subsidiaries is commenced, or, to the Knowledge of the Company, threatened against the Company or its Subsidiaries or, to the Knowledge of the Company, any director or officer of the Company or its Subsidiaries; (iii) the Company becomes aware of any inaccuracy in any representation or warranty made by it in this Agreement; or (iv) the failure of the Company to comply with any covenant or obligation of the Company; in the case of (iii) and (iv) that could reasonably be expected to make the timely satisfaction of any of the conditions set forth in Sections 6 or 7, as applicable, impossible or materially less likely. No notification given to Parent pursuant to this Section 4.6(a) shall change, limit or otherwise affect any of the representations, warranties, covenants or obligations of the Company or any of its Subsidiaries contained in this Agreement or the Company Disclosure Schedule for purposes of Sections 6 and 7, as applicable.

(b) During the Pre-Closing Period, Parent shall promptly notify the Company (and, if in writing, furnish copies of) if any of the following occurs: (i) any notice or other communication is received from any Person alleging that the Consent of such Person is or may be required in connection with any of the Contemplated Transactions; (ii) any Legal Proceeding against or involving or otherwise affecting Parent is commenced, or, to the Knowledge of Parent, threatened against Parent or, to the Knowledge of Parent, any director or officer of Parent; (iii) Parent becomes aware of any inaccuracy in any representation or warranty made by it in this Agreement; or (iv) the failure of Parent to comply with any covenant or obligation of Parent or Merger Sub; in the case of (iii) and (iv) that could reasonably be expected to make the timely satisfaction of any of the conditions set forth in Sections 6 or 8, as applicable, impossible or materially less likely. No notification given to the Company pursuant to this Section 4.6(b) shall change, limit or otherwise affect any of the representations, warranties, covenants or obligations of Parent contained in this Agreement or the Parent Disclosure Schedule for purposes of Sections 6 and 8, as applicable.

Section 5. ADDITIONAL AGREEMENTS OF THE PARTIES

5.1 Registration Statement; Proxy Statement.

(a) As promptly as practicable after the date of this Agreement (but in no event later than 30 days following the date of this Agreement), the Company shall prepare, and Parent shall cause to be filed with the SEC, the Registration Statement, in which the Proxy Statement will be included as a prospectus. Parent covenants and agrees that the information provided by Parent or its Subsidiaries to the Company for inclusion in the Proxy Statement, including any pro forma financial statements included therein (and the letter to stockholders, notice of meeting and form of proxy included therewith), will not, at the time that the Proxy Statement or any amendment or supplement thereto is filed with the SEC or is first mailed to the Parent stockholders contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary in order to make the statements made therein, in light of the circumstances under which they were made, not misleading. The Company covenants and agrees that the information provided by the Company or its Subsidiaries to Parent for inclusion in the Proxy Statement

(including the Company Financials) will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary in order to make such information not misleading. Notwithstanding the foregoing, (i) Parent makes no covenant, representation or warranty with respect to statements made in the Proxy Statement (and the letter to stockholders, notice of meeting and form of proxy included therewith), if any, based on information provided by the Company or its Subsidiaries or any of their Representatives specifically for inclusion therein and (ii) the Company makes no covenant, representation or warranty with respect to statements made in the Proxy Statement (and the letter to stockholders, notice of meeting and form of proxy included therewith), if any, other than with respect to the information provided by the Company or its Subsidiaries or any of their Representatives for inclusion therein. Parent and its legal counsel shall be given reasonable opportunity to review and comment on the Proxy Statement, including all amendments and supplements thereto, prior to the filing thereof with the SEC, and on the response to any comments of the SEC on the Proxy Statement, prior to the filing thereof with the SEC. Each of the Parties shall use commercially reasonable efforts to cause the Registration Statement and the Proxy Statement to comply with the applicable rules and regulations promulgated by the SEC, to respond promptly to any comments of the SEC or its staff and to have the Registration Statement declared effective under the Securities Act as promptly as practicable after it is filed with the SEC. Parent shall use commercially reasonable efforts to cause the Proxy Statement to be mailed to Parent's stockholders as promptly as practicable after the Registration Statement is declared effective under the Securities Act. Each Party shall promptly furnish to the other Party all information concerning such Party and such Party's Affiliates and such Party's stockholders that may be required or reasonably requested in connection with any action contemplated by this Section 5.1. If Parent, Merger Sub or the Company become aware of any event or information that, pursuant to the Securities Act or the Exchange Act, should be disclosed in an amendment or supplement to the Registration Statement or Proxy Statement, as the case may be, then such Party, as the case may be, shall promptly inform the other Parties thereof and shall cooperate with such other Parties in filing such amendment or supplement with the SEC and, if appropriate, in mailing such amendment or supplement to the Parent stockholders.

(b) Prior to the Effective Time, Parent shall use commercially reasonable efforts to obtain all regulatory approvals needed to ensure that the Parent Common Stock to be issued in the Merger (to the extent required) shall be registered or qualified or exempt from registration or qualification under the securities law of every jurisdiction of the United States in which any registered holder of Company Capital Stock has an address of record on the applicable record date for determining the holders of Company Capital Stock entitled to notice and to vote pursuant to the Company Stockholder Written Consent.

(c) Parent shall reasonably cooperate with the Company and provide, and require its Representatives to provide, the Company and its Representatives, with all true, correct and complete information regarding Parent or its Subsidiaries that is required by Law to be included in the Registration Statement or reasonably requested by the Company to be included in the Registration Statement. The Company will use commercially reasonable efforts to cause to be delivered to Parent a consent letter of the Company's independent accounting firm, dated no more than two Business Days before the date on which the Registration Statement becomes effective (and reasonably satisfactory in form and substance to Parent), that is customary in scope and substance for consent letters delivered by independent public accountants in connection with registration statements similar to the Registration Statement.

(d) For the avoidance of doubt, the Company shall use commercially reasonable efforts to undertake, or shall cause its Representatives to undertake, the actions contemplated in the definition of "Combined Transaction Expenses".

5.2 **Company Information Statement; Stockholder Written Consent.**

(a) Promptly after the Registration Statement shall have been declared effective under the Securities Act, and in any event no later than three Business Days thereafter, the Company shall prepare, with the cooperation of Parent, and commence mailing to its stockholders an information statement (the “**Information Statement**”) to solicit the Company Stockholder Consent evidencing the Required Company Stockholder Vote for purposes of (within 10 Business Days after the Registration Statement shall have been declared effective) (i) adopting and approving this Agreement and the Contemplated Transactions, (ii) acknowledging that the approval given thereby is irrevocable and that such stockholder is aware of its rights to demand appraisal for its shares pursuant to Section 262 of the DGCL, a true and correct copy of which will be attached thereto, and that such stockholder has received and read a copy of Section 262 of the DGCL, (iii) acknowledging that by its approval of the Merger it is not entitled to appraisal rights with respect to its shares in connection with the Merger and thereby waives any rights to receive payment of the fair value of its capital stock under the DGCL, and (iv) the Preferred Stock Conversion (collectively, the “**Company Stockholder Matters**”). Under no circumstances shall the Company assert that any other approval or consent is necessary by its stockholders to approve the Company Stockholder Matters. All materials (including any amendments thereto) submitted to the stockholders of the Company in accordance with this Section 5.2(a) shall be subject to Parent’s advance review and reasonable approval.

(b) The Company covenants and agrees that the Information Statement, including any pro forma financial statements included therein (and the letter to stockholders and form of Company Stockholder Written Consent included therewith), will not, at the time that the Information Statement or any amendment or supplement thereto is first mailed to the stockholders of the Company, at the time of receipt of the Required Company Stockholder Vote and at the Effective Time, contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary in order to make the statements made therein, in light of the circumstances under which they were made, not misleading. Notwithstanding the foregoing, the Company makes no covenant, representation or warranty with respect to statements made in the Information Statement (and the letter to the stockholders and form of Company Stockholder Written Consent included therewith), if any, based on information furnished in writing by Parent specifically for inclusion therein. Each of the Parties shall use commercially reasonable efforts to cause the Information Statement to comply with the applicable rules and regulations promulgated by the SEC in all material respects.

(c) Promptly following receipt of the Required Company Stockholder Vote, the Company shall prepare and mail a notice (the “**Stockholder Notice**”) to every stockholder of the Company that did not execute the Company Stockholder Written Consent. The Stockholder Notice shall (i) be a statement to the effect that the Company Board determined that the Merger is advisable in accordance with Section 251(b) of the DGCL and in the best interests of the stockholders of the Company and approved and adopted this Agreement, the Merger and the other Contemplated Transactions, (ii) provide the stockholders of the Company to whom it is sent with notice of the actions taken in the Company Stockholder Written Consent, including the adoption and approval of this Agreement, the Merger and the other Contemplated Transactions in accordance with Section 228(e) of the DGCL and the certificate of incorporation and bylaws of the Company and (iii) include a description of the appraisal rights of the Company’s stockholders available under the DGCL, along with such other information as is required thereunder and pursuant to applicable Law. All materials (including any amendments thereto) submitted to the stockholders of the Company in accordance with this Section 5.2(c) shall be subject to Parent’s advance review and reasonable approval.

(d) The Company agrees that: (i) the Company Board shall recommend that the Company’s stockholders vote to approve the Company Stockholder Matters and shall use reasonable best efforts to solicit such approval from each of the Company stockholders necessary to deliver the Company Stockholder Written Consent evidencing the Required Company Stockholder Vote within the

time set forth in Section 5.2(a) (the recommendation of the Company Board that the Company's stockholders vote to adopt and approve this Agreement being referred to as the "**Company Board Recommendation**"); and (ii) the Company Board Recommendation shall not be withdrawn or modified (and the Company Board shall not publicly propose to withdraw or modify the Company Board Recommendation) in a manner adverse to Parent, and no resolution by the Company Board or any committee thereof to withdraw or modify the Company Board Recommendation in a manner adverse to Parent or to adopt, approve or recommend (or publicly propose to adopt, approve or recommend) any Acquisition Proposal shall be adopted or proposed (the actions set forth in the foregoing clause (ii), collectively, a "**Company Board Adverse Recommendation Change**").

(e) Notwithstanding anything to the contrary contained in this Agreement, if at any time prior to the approval of Company Stockholder Matters by the Required Company Stockholder Vote:

(i) if Company has received a written Acquisition Proposal (which Acquisition Proposal did not arise out of a material breach of Section 4.5) from any Person that has not been withdrawn and after consultation with outside legal counsel, the Company Board shall have determined, in good faith, that such Acquisition Proposal is a Superior Offer, the Company Board may make a Company Board Adverse Recommendation Change, if and only if: (A) the Company Board determines in good faith, after consultation with Company's outside legal counsel, that the failure to do so could be inconsistent with the fiduciary duties of the Company Board to the Company's stockholders under applicable Law; (B) Company shall have given the Parent prior written notice of its intention to consider making a Company Board Adverse Recommendation Change or terminate this Agreement pursuant to Section 9.1(g) at least four Business Days prior to making any such Company Board Adverse Recommendation Change or termination (a "**Company Determination Notice**") (which notice shall not constitute a Company Board Adverse Recommendation Change); and (C) (1) the Company shall have provided to Parent a summary of the material terms and conditions of the Acquisition Proposal in accordance with Section 4.5(b), (2) the Company shall have given Parent the four Business Days after the Company Determination Notice to propose revisions to the terms of this Agreement or make another proposal and shall have made its Representatives reasonably available to negotiate in good faith with Parent (to the extent Parent desires to negotiate) with respect to such proposed revisions or other proposal, if any, and (3) after considering the results of any such negotiations and giving effect to the proposals made by Parent, if any, after consultation with outside legal counsel, the Company Board shall have determined, in good faith, that such Acquisition Proposal is a Superior Offer and that the failure to make the Company Board Adverse Recommendation Change or terminate this Agreement pursuant to Section 9.1(g) could be inconsistent with the fiduciary duties of the Company Board to the Company's stockholders under applicable Law. For the avoidance of doubt, the provisions of this Section 5.2(e)(i) shall also apply to any material change to the facts and circumstances relating to such Acquisition Proposal and require a new Company Determination Notice, except that the references to four Business Days shall be deemed to be three Business Days.

(ii) other than in connection with an Acquisition Proposal, the Company Board may make a Company Board Adverse Recommendation Change in response to a Company Change in Circumstance, if and only if: (A) the Company Board determines in good faith, after consultation with the Company's outside legal counsel, that the failure to do so could be inconsistent with the fiduciary duties of the Company Board to Parent's stockholders under applicable Law; (B) the Company shall have given Parent a Company Determination Notice at least four Business Days prior to making any such Company Board Adverse Recommendation Change; and (C) (1) Company shall have specified the Company Change in Circumstance in reasonable detail, (2) the Company shall have given Parent the four Business Days after the Company

Determination Notice to propose revisions to the terms of this Agreement or make another proposal, and shall have made its Representatives reasonably available to negotiate in good faith with Parent (to the extent Parent desires to do so) with respect to such proposed revisions or other proposal, if any, and (3) after considering the results of any such negotiations and giving effect to the proposals made by Parent, if any, after consultation with outside legal counsel, the Company Board shall have determined, in good faith, that the failure to make the Company Board Adverse Recommendation Change in response to such Company Change in Circumstance could be inconsistent with the fiduciary duties of the Company Board to the Company's stockholders under applicable Law. For the avoidance of doubt, the provisions of this Section 5.2(e)(ii) shall also apply to any material change to the facts and circumstances relating to such Company Change in Circumstance and require a new Company Determination Notice, except that the references to four Business Days shall be deemed to be three Business Days.

(f) The Company's obligation to solicit the consent of its stockholders to sign the Company Stockholder Written Consent in accordance with Section 5.2(a) and Section 5.2(d) shall not be limited or otherwise affected by the commencement, disclosure, announcement or submission of any Superior Offer or other Acquisition Proposal.

5.3 Parent Stockholders' Meeting.

(a) Promptly after the Registration Statement has been declared effective by the SEC under the Securities Act, Parent shall take all action necessary under applicable Law to call, give notice of and hold a meeting of the holders of Parent Common Stock for the purpose of seeking approval of:

- (i) the amendment of Parent's certificate of incorporation to effect the Nasdaq Reverse Split;
- (ii) this Agreement, including the issuance of shares of Parent Common Stock to the Company's stockholders in connection with the Contemplated Transactions;
- (iii) the change of control of Parent resulting from the Merger pursuant to the Nasdaq rules;
- (iv) the 2019 Plan (as defined in Section 5.20(a)); and
- (v) in accordance with Section 14A of the Exchange Act and the applicable SEC rules issued thereunder, seeking advisory approval of a proposal to the Parent's stockholders for a non-binding, advisory vote to approve certain compensation that may become payable to Parent's named executive officers in connection with the completion of the Merger, if applicable (the matters contemplated by the clauses 5.3(a)(i) – (iii) are referred to as the "**Parent Stockholder Matters**," and the matters contemplated by clauses 5.3(a)(iv) – (v) is referred to herein as the "**Other Parent Stockholder Matters**," and such meeting, the "**Parent Stockholders' Meeting**").

(b) The Parent Stockholders' Meeting shall be held as promptly as practicable after the Registration Statement is declared effective under the Securities Act. Parent shall take reasonable measures to ensure that all proxies solicited in connection with the Parent Stockholders' Meeting are solicited in compliance with all applicable Law. Notwithstanding anything to the contrary contained herein, if on the date of the Parent Stockholders' Meeting, or a date preceding the date on which the Parent Stockholders' Meeting is scheduled, Parent reasonably believes that (i) it will not receive proxies sufficient

to obtain the Required Parent Stockholder Vote, whether or not a quorum would be present or (ii) it will not have sufficient shares of Parent Common Stock represented (whether in person or by proxy) to constitute a quorum necessary to conduct the business of the Parent Stockholders' Meeting, Parent may postpone or adjourn, or make one or more successive postponements or adjournments of, the Parent Stockholders' Meeting as long as the date of the Parent Stockholders' Meeting is not postponed or adjourned more than an aggregate of 30 calendar days in connection with any postponements or adjournments.

(c) Parent agrees that, subject to Section 5.3(d): (i) the Parent Board shall recommend that the holders of Parent Common Stock vote to approve the Parent Stockholder Matters and shall use commercially reasonable efforts to solicit such approval, (ii) the Proxy Statement shall include a statement to the effect that the Parent Board recommends that Parent's stockholders vote to approve the Parent Stockholder Matters (the recommendation of the Parent Board with respect to the Parent Stockholder Matters being referred to as the "**Parent Board Recommendation**"); and (iii) the Parent Board Recommendation shall not be withheld, amended, withdrawn or modified (and the Parent Board shall not publicly propose to withhold, amend, withdraw or modify the Parent Board Recommendation) in a manner adverse to the Company (the actions set forth in the foregoing clause (iii), collectively, a "**Parent Board Adverse Recommendation Change**").

(d) Notwithstanding anything to the contrary contained in this Agreement, if at any time prior to the approval of Parent Stockholder Matters by the Required Parent Stockholder Vote:

(i) if Parent has received a written Acquisition Proposal (which Acquisition Proposal did not arise out of a material breach of Section 4.4) from any Person that has not been withdrawn and after consultation with outside legal counsel, the Parent Board shall have determined, in good faith, that such Acquisition Proposal is a Superior Offer, the Parent Board may make a Parent Board Adverse Recommendation Change, if and only if: (A) the Parent Board determines in good faith, after consultation with Parent's outside legal counsel, that the failure to do so could be inconsistent with the fiduciary duties of the Parent Board to Parent's stockholders under applicable Law; (B) Parent shall have given the Company prior written notice of its intention to consider making a Parent Board Adverse Recommendation Change or terminate this Agreement pursuant to Section 9.1(f) at least four Business Days prior to making any such Parent Board Adverse Recommendation Change or termination (a "**Determination Notice**") (which notice shall not constitute a Parent Board Adverse Recommendation Change); and (C) (1) Parent shall have provided to the Company a summary of the material terms and conditions of the Acquisition Proposal in accordance with Section 4.4(b), (2) Parent shall have given the Company the four Business Days after the Determination Notice to propose revisions to the terms of this Agreement or make another proposal and shall have made its Representatives reasonably available to negotiate in good faith with the Company (to the extent the Company desires to negotiate) with respect to such proposed revisions or other proposal, if any, and (3) after considering the results of any such negotiations and giving effect to the proposals made by the Company, if any, after consultation with outside legal counsel, the Parent Board shall have determined, in good faith, that such Acquisition Proposal is a Superior Offer and that the failure to make the Parent Board Adverse Recommendation Change or terminate this Agreement pursuant to Section 9.1(f) could be inconsistent with the fiduciary duties of the Parent Board to Parent's stockholders under applicable Law. For the avoidance of doubt, the provisions of this Section 5.3(d)(i) shall also apply to any material change to the facts and circumstances relating to such Acquisition Proposal and require a new Determination Notice, except that the references to four Business Days shall be deemed to be three Business Days.

(ii) other than in connection with an Acquisition Proposal, the Parent Board may make a Parent Board Adverse Recommendation Change in response to a Parent Change in Circumstance, if and only if: (A) the Parent Board determines in good faith, after consultation with Parent's outside legal counsel, that the failure to do so could be inconsistent with the fiduciary duties of the Parent Board to Parent's stockholders under applicable Law; (B) Parent shall have given the Company a Determination Notice at least four Business Days prior to making any such Parent Board Adverse Recommendation Change; and (C) (1) Parent shall have specified the Parent Change in Circumstance in reasonable detail, (2) Parent shall have given the Company the four Business Days after the Determination Notice to propose revisions to the terms of this Agreement or make another proposal, and shall have made its Representatives reasonably available to negotiate in good faith with the Company (to the extent the Company desires to do so) with respect to such proposed revisions or other proposal, if any, and (3) after considering the results of any such negotiations and giving effect to the proposals made by the Company, if any, after consultation with outside legal counsel, the Parent Board shall have determined, in good faith, that the failure to make the Parent Board Adverse Recommendation Change in response to such Parent Change in Circumstance could be inconsistent with the fiduciary duties of the Parent Board to Parent's stockholders under applicable Law. For the avoidance of doubt, the provisions of this Section 5.3(d)(ii) shall also apply to any material change to the facts and circumstances relating to such Parent Change in Circumstance and require a new Determination Notice, except that the references to four Business Days shall be deemed to be three Business Days.

(e) Parent's obligation to solicit the consent of its stockholders to approve the Parent Stockholder Matters shall not be limited or otherwise affected by the commencement, disclosure, announcement or submission of any Superior Offer or other Acquisition Proposal.

(f) Nothing contained in this Agreement shall prohibit Parent or the Parent Board from (i) complying with Rules 14d-9 and 14e-2(a) promulgated under the Exchange Act, (ii) issuing a "stop, look and listen" communication or similar communication of the type contemplated by Section 14d-9(f) under the Exchange Act or (iii) otherwise making any disclosure to the Parent stockholders; *provided however*, that in the case of the foregoing clause (iii) the Parent Board determines in good faith, after consultation with its outside legal counsel, that failure to make such disclosure is reasonably likely to be inconsistent with applicable Law, including its fiduciary duties under applicable Law.

5.4 **Regulatory Approvals.**

(a) Each party hereto shall (i) consult and cooperate with one another, and consider in good faith the views of one another, in connection with any analyses, appearances, presentations, memoranda, briefs, arguments, opinions and proposals made or submitted by or on behalf of any party hereto in connection with proceedings under or relating to the HSR Act or any foreign or other antitrust Law, (ii) coordinate with one another in preparing and exchanging such materials and (iii) promptly provide one another (and its counsel) with copies of all filings, presentations or submissions made by such party to any Governmental Body in connection with this Agreement. In addition, any party may, as it deems advisable and necessary, reasonably designate any confidential and competitively sensitive material provided to the other parties under this Section 5.4 as "Outside Counsel Only" or redact information regarding valuation or negotiation strategy. Materials identified as "Outside Counsel Only" and the information contained therein shall be given only to the outside legal counsel of the recipient and will not be disclosed by such outside counsel to employees, officers, or directors of the recipient, unless express written permission is obtained in advance from the source of the materials.

(b) Each of Parent and the Company shall use its respective reasonable best efforts to resolve objections, if any, as may be asserted by any Governmental Body with respect to the

Contemplated Transactions under any applicable antitrust Laws, including responding promptly to and complying with any requests for information relating to this Agreement or any initial filings required under the HSR Act and any other additional filings ("**Merger Notification Filings**") from any Governmental Body charged with enforcing, applying, administering or investigating any antitrust Laws.

(c) Notwithstanding anything to the contrary herein (i) neither Party shall have any obligation to litigate or contest any such Legal Proceeding or order resulting therefrom and (ii) neither Party shall be under an obligation to make proposals, execute or carry out agreements or submit to orders providing for (A) the sale, license, divestiture, or other disposition or holding separate of any assets of Parent or the Company or any of their respective Affiliates, (B) the imposition of any limitation or restriction on the ability of Parent or the Company or any of their respective Affiliates to freely conduct their business, or (C) any limitation or regulation on the ability of Parent or any of its Affiliates to exercise full rights of ownership of the Company.

5.5 **Company Options and Company Warrants.**

(a) At the Effective Time, each Company Option that is outstanding and unexercised immediately prior to the Effective Time under the Company Plan, whether or not vested, shall be converted into and become an option to purchase Parent Common Stock, and Parent shall assume the Company Plan and each such Company Option in accordance with the terms (as in effect as of the date of this Agreement) of the Company Plan and the terms of the stock option agreement by which such Company Option is evidenced (but with changes to such documents as Parent and the Company mutually agree are appropriate to reflect the substitution of the Company Options by Parent to purchase shares of Parent Common Stock). All rights with respect to Company Common Stock under Company Options assumed by Parent shall thereupon be converted into rights with respect to Parent Common Stock. Accordingly, from and after the Effective Time: (i) each Company Option assumed by Parent may be exercised solely for shares of Parent Common Stock; (ii) the number of shares of Parent Common Stock subject to each Company Option assumed by Parent shall be determined by multiplying (A) the number of shares of Company Common Stock that were subject to such Company Option, as in effect immediately prior to the Effective Time, by (B) the Exchange Ratio, and rounding the resulting number down to the nearest whole number of shares of Parent Common Stock; (iii) the per share exercise price for the Parent Common Stock issuable upon exercise of each Company Option assumed by Parent shall be determined by dividing (A) the per share exercise price of Company Common Stock subject to such Company Option, as in effect immediately prior to the Effective Time, by (B) the Exchange Ratio and rounding the resulting exercise price up to the nearest whole cent; and (iv) any restriction on the exercise of any Company Option assumed by Parent shall continue in full force and effect and the term, exercisability, vesting schedule and other provisions of such Company Option shall otherwise remain unchanged; *provided, however*, that: (A) to the extent provided under the terms of a Company Option and the Company Plans, such Company Option may be further adjusted as necessary to reflect Parent's substitution of the Company Options with options to purchase Parent Common Stock (such as by making any change in control or similar definition relate to Parent and having any provision that provides for the adjustment of Company Options upon the occurrence of certain corporate events relate to corporate events that relate to Parent and/or Parent Common Stock); and (B) the Parent Board or a committee thereof shall succeed to the authority and responsibility of the Company Board or any committee thereof with respect to each Company Option assumed by Parent. Notwithstanding anything to the contrary in this Section 5.5(a), the conversion of each Company Option (regardless of whether such option qualifies as an "incentive stock option" within the meaning of Section 422 of the Code) into an option to purchase shares of Parent Common Stock shall be made in a manner consistent with Treasury Regulation Section 1.424-1, such that the conversion of a Company Option shall not constitute a "modification" of such Company Option for purposes of Section 409A or Section 424 of the Code.

(b) Parent shall file with the SEC, promptly after the Effective Time, a registration statement on Form S-8 (or any successor or alternative form), relating to the shares of Parent Common Stock issuable with respect to Company Options assumed by Parent in accordance with Section 5.5(a).

(c) At the Effective Time, each Company Warrant that is outstanding and unexercised as of immediately prior to the Effective Time (for the avoidance of doubt, excluding Company Warrants that are deemed to have been automatically exercised or terminated pursuant to their terms as a result of the consummation of the Merger or the Preferred Stock Conversion), if any, shall be converted into and become a warrant to purchase Parent Common Stock and Parent shall assume each such Company Warrant in accordance with its terms. All rights with respect to Company Capital Stock under Company Warrants assumed by Parent shall thereupon be converted into rights with respect to Parent Common Stock. Accordingly, from and after the Effective Time: (i) each Company Warrant assumed by Parent may be exercised solely for shares of Parent Common Stock; (ii) the number of shares of Parent Common Stock subject to each Company Warrant assumed by Parent shall be determined by multiplying (A) the number of shares of Company Common Stock, or the number of shares of Company Preferred Stock issuable upon exercise of the Company Warrant, as applicable, that were subject to such Company Warrant immediately prior to the Effective Time by (B) the Exchange Ratio and rounding the resulting number down to the nearest whole number of shares of Parent Common Stock; (iii) the per share exercise price for the Parent Common Stock issuable upon exercise of each Company Warrant assumed by Parent shall be determined by dividing the per share exercise price of Company Capital Stock subject to such Company Warrant, as in effect immediately prior to the Effective Time, by the Exchange Ratio and rounding the resulting exercise price up to the nearest whole cent; and (iv) any restriction on any Company Warrant assumed by Parent shall continue in full force and effect and the term and other provisions of such Company Warrant shall otherwise remain unchanged.

(d) Prior to the Effective Time, the Company shall take all actions that may be necessary (under the Company Plan, the Company Warrants, and otherwise) to effectuate the provisions of this Section 5.5 and to ensure that, from and after the Effective Time, holders of Company Options, and Company Warrants have no rights with respect thereto other than those specifically provided in this Section 5.5.

5.6 Indemnification of Officers and Directors.

(a) From the Effective Time through the sixth anniversary of the date on which the Effective Time occurs, each of Parent and the Surviving Corporation shall indemnify and hold harmless each person who is now, or has been at any time prior to the date hereof, or who becomes prior to the Effective Time, a director or officer of Parent or the Company and their respective Subsidiaries, respectively (the “**D&O Indemnified Parties**”), against all claims, losses, liabilities, damages, judgments, fines and reasonable fees, costs and expenses, including attorneys’ fees and disbursements (collectively, “**Costs**”), incurred in connection with any claim, action, suit, proceeding or investigation, whether civil, criminal, administrative or investigative, arising out of or pertaining to the fact that the D&O Indemnified Party is or was a director or officer of Parent or of the Company, whether asserted or claimed prior to, at or after the Effective Time, in each case, to the fullest extent permitted under applicable Law. Each D&O Indemnified Party will be entitled to advancement of expenses incurred in the defense of any such claim, action, suit, proceeding or investigation from each of Parent and the Surviving Corporation, jointly and severally, upon receipt by Parent or the Surviving Corporation from the D&O Indemnified Party of a request therefor; *provided* that any such person to whom expenses are advanced provides an undertaking to Parent, to the extent then required by the DGCL, to repay such advances if it is ultimately determined that such person is not entitled to indemnification.

(b) The provisions of the certificate of incorporation and bylaws of Parent with respect to indemnification, advancement of expenses and exculpation of present and former directors and officers of Parent that are presently set forth in the certificate of incorporation and bylaws of Parent shall not be amended, modified or repealed for a period of six years from the Effective Time in a manner that would adversely affect the rights thereunder of individuals who, at or prior to the Effective Time, were officers or directors of Parent. The certificate of incorporation and bylaws of the Surviving Corporation shall contain, and Parent shall cause the certificate of incorporation and bylaws of the Surviving Corporation to so contain, provisions no less favorable with respect to indemnification, advancement of expenses and exculpation of present and former directors and officers as those presently set forth in the certificate of incorporation and bylaws of Parent.

(c) From and after the Effective Time, (i) the Surviving Corporation shall fulfill and honor in all respects the obligations of the Company to its D&O Indemnified Parties as of immediately prior to the Closing pursuant to any indemnification provisions under the Company's Organizational Documents and pursuant to any indemnification agreements between the Company and such D&O Indemnified Parties, with respect to claims arising out of matters occurring at or prior to the Effective Time and (ii) Parent shall fulfill and honor in all respects the obligations of Parent to its D&O Indemnified Parties as of immediately prior to the Closing pursuant to any indemnification provisions under Parent's Organizational Documents and pursuant to any indemnification agreements between Parent and such D&O Indemnified Parties, with respect to claims arising out of matters occurring at or prior to the Effective Time.

(d) From and after the Effective Time, Parent shall maintain directors' and officers' liability insurance policies, with an effective date as of the Closing Date, on commercially available terms and conditions and with coverage limits customary for U.S. public companies similarly situated to Parent. In addition, Parent shall purchase, prior to the Effective Time, a six-year prepaid "tail policy" for the non-cancellable extension of the directors' and officers' liability coverage of Parent's existing directors' and officers' insurance policies for a claims reporting or discovery period of at least six years from and after the Effective Time with respect to any claim related to any period of time at or prior to the Effective Time (the "**D&O Tail Policy**").

(e) From and after the Effective Time, Parent shall pay all expenses, including reasonable attorneys' fees, that are incurred by the persons referred to in this Section 5.6 in connection with their successful enforcement of the rights provided to such persons in this Section 5.6.

(f) The provisions of this Section 5.6 are intended to be in addition to the rights otherwise available to the current and former officers and directors of Parent and the Company by Law, charter, statute, bylaw or agreement, and shall operate for the benefit of, and shall be enforceable by, each of the D&O Indemnified Parties, their heirs and their representatives.

(g) In the event Parent or the Surviving Corporation or any of their respective successors or assigns (i) consolidates with or merges into any other Person and shall not be the continuing or surviving corporation or entity of such consolidation or merger, or (ii) transfers all or substantially all of its properties and assets to any Person, then, and in each such case, proper provision shall be made so that the successors and assigns of Parent or the Surviving Corporation, as the case may be, shall succeed to the obligations set forth in this Section 5.6. Parent shall cause the Surviving Corporation to perform all of the obligations of the Surviving Corporation under this Section 5.6.

5.7 **Additional Agreements.** The Parties shall use commercially reasonable efforts to cause to be taken all actions necessary to consummate the Contemplated Transactions. Without limiting the generality of the foregoing, each Party to this Agreement: (a) shall make all filings and other submissions (if any) and give all notices (if any) required to be made and given by such Party in connection

with the Contemplated Transactions; (b) shall use reasonable best efforts to obtain each Consent (if any) reasonably required to be obtained (pursuant to any applicable Law or Contract, or otherwise) by such Party in connection with the Contemplated Transactions or for such Contract (with respect to Contracts set forth in **Schedule 5.7**) to remain in full force and effect; (c) shall use commercially reasonable efforts to lift any injunction prohibiting, or any other legal bar to, the Contemplated Transactions; and (d) shall use commercially reasonable efforts to satisfy the conditions precedent to the consummation of this Agreement.

5.8 **Disclosure.** The initial press release relating to this Agreement shall be a joint press release issued by the Company and Parent and thereafter Parent and the Company shall consult with each other before issuing any further press release(s) or otherwise making any public statement or making any announcement to Parent Associates or Company Associates (to the extent not previously issued or made in accordance with this Agreement) with respect to the Contemplated Transactions and shall not issue any such press release, public statement or announcement to Parent Associates or Company Associates without the other Party's written consent (which shall not be unreasonably withheld, conditioned or delayed). Notwithstanding the foregoing: (a) each Party may, without such consultation or consent, make any public statement in response to questions from the press, analysts, investors or those attending industry conferences, make internal announcements to employees and make disclosures in Parent SEC Documents, so long as such statements are consistent with previous press releases, public disclosures or public statements made jointly by the parties (or individually, if approved by the other Party); (b) a Party may, without the prior consent of the other Party hereto but subject to giving advance notice to the other Party, issue any such press release or make any such public announcement or statement as may be required by any Law; and (c) Parent need not consult with the Company in connection with such portion of any press release, public statement or filing to be issued or made pursuant to Section 5.3(f) or with respect to any Acquisition Proposal or Parent Board Adverse Recommendation Change.

5.9 **Listing.** Parent shall use its commercially reasonable efforts, (a) to maintain its existing listing on Nasdaq until the Effective Time and to obtain approval of the listing of the combined corporation on Nasdaq, (b) to the extent required by the rules and regulations of Nasdaq, to prepare and submit to Nasdaq a notification form for the listing of the shares of Parent Common Stock to be issued in connection with the Contemplated Transactions, and to cause such shares to be approved for listing (subject to official notice of issuance); (c) to effect the Nasdaq Reverse Split; and (d) to the extent required by Nasdaq Marketplace Rule 5110, to file an initial listing application for the Parent Common Stock on Nasdaq (the "**Nasdaq Listing Application**") and to cause such Nasdaq Listing Application to be conditionally approved prior to the Effective Time. The Parties will use commercially reasonable efforts to coordinate with respect to compliance with Nasdaq rules and regulations. Each Party will promptly inform the other Party of all verbal or written communications between Nasdaq and such Party or its representatives. Parent and the Company agree to evenly split all Nasdaq fees associated with the Nasdaq Listing Application and the Nasdaq Reverse Split, if any (the "**Nasdaq Fees**"). The Company will cooperate with Parent as reasonably requested by Parent with respect to the Nasdaq Listing Application and promptly furnish to Parent all information concerning the Company and its stockholders that may be required or reasonably requested in connection with any action contemplated by this Section 5.9.

5.10 **Tax Matters.**

(a) For United States federal income Tax purposes, (i) the Parties intend that the Merger qualify as a "reorganization" within the meaning of Section 368(a) of the Code (the "**Intended Tax Treatment**"), and (ii) this Agreement is intended to be, and is hereby adopted as, a "plan of reorganization" for purposes of Section 354 and 361 of the Code and Treasury Regulations Section 1.368-2(g) and 1.368-3(a), to which the Parent, Merger Sub and the Company are parties under Section 368(b) of the Code. The Parties shall treat and shall not take any tax reporting position inconsistent with the treatment of the Merger as a reorganization within the meaning of Section 368(a) of the Code for U.S. federal, state

and other relevant Tax purposes, unless otherwise required pursuant to a “determination” within the meaning of Section 1313(a) of the Code.

(b) The Parties shall use their respective reasonable best efforts to cause the Merger to qualify, and will not take any action or cause any action to be taken which action would reasonably be expected to prevent the Merger from qualifying, for the Intended Tax Treatment.

(c) Each of the Parties shall use its reasonable best efforts to obtain (1) the Parent Registration Statement Tax Opinion, (2) the Company Registration Statement Tax Opinion, (3) the Parent Closing Tax Opinion and (4) the Company Closing Tax Opinion, including (i) delivering to Latham & Watkins LLP (“**Latham & Watkins**”) and Cooley LLP (“**Cooley**”) prior to the filing of the Registration Statement, tax representation letters substantially in the forms set forth in Section 5.10(c)(i) of the Company Disclosure Schedule and Section 5.10(c)(i) of the Parent Disclosure Schedule, respectively, and (ii) delivering to Latham & Watkins and Cooley, dated and executed as of the dates of such Tax opinions, tax representation letters in substantially the forms set forth in Section 5.10(c)(ii) of the Company Disclosure Schedule and Section 5.10(c)(ii) of the Parent Disclosure Schedule, respectively. Each of the Parties shall use its reasonable best efforts not to, and not permit any affiliate to, take or cause to be taken any action that would cause to be untrue (or fail to take or cause not to be taken any action which inaction would cause to be untrue) any of the representations and covenants made to counsel in the tax representation letters described in this Section.

5.11 **Legends.** Parent shall be entitled to place appropriate legends on the book entries and/or certificates evidencing any shares of Parent Common Stock to be received in the Merger by equity holders of the Company who may be considered “affiliates” of Parent for purposes of Rules 144 and 145 under the Securities Act reflecting the restrictions set forth in Rules 144 and 145 and to issue appropriate stop transfer instructions to the transfer agent for Parent Common Stock.

5.12 **Directors and Officers.**

(a) The Parties shall use reasonable best efforts and take all necessary action so that immediately after the Effective Time, (a) the Parent Board is comprised of nine members, with (i) two such members designated by Parent, (ii) two such members designated by Shanghai Pharmaceuticals USA, (iii) one member being the Chairman of the Company, (iv) one member being the Chief Executive Officer of the Company, and (v) the remaining three members being listed on **Exhibit C** under the heading “Additional Directors”, (b) the Persons listed in **Exhibit C** under the heading “Officers” are elected or appointed, as applicable, to the positions of officers of Parent and the Surviving Corporation, as set forth therein, to serve in such positions effective as of the Effective Time until successors are duly appointed and qualified in accordance with applicable Law and (c) Persons reasonably acceptable to Parent are elected or appointed, as applicable to the positions of officer of Parent set forth on **Exhibit C**. If any Person listed in **Exhibit C** is unable or unwilling to serve as an officer of Parent or the Surviving Corporation, as set forth therein, as of the Effective Time, the Parties shall mutually agree upon a successor. The Persons listed in **Exhibit C** under the heading “Board Designees — Parent” shall be Parent’s designees pursuant to clause (a) of this Section 5.12 (which list may be changed by Parent at any time prior to the Closing by written notice to the Company to include different board designees who are reasonably acceptable to the Company) (the “**Parent Designees**”). The Persons listed in **Exhibit C** under the heading “Board Designees — Company” shall be the Company’s designees pursuant to clause (a) of this Section 5.12 (which list may be changed by the Company at any time prior to the Closing by written notice to Parent to include different board designees who are reasonably acceptable to Parent).

(b) One of the Parent Designees shall be placed in the same class of Parent’s current directors elected at Parent’s 2019 annual meeting of stockholders, as identified on **Exhibit C**. After

the Closing, the nominating committee of the Surviving Corporation shall nominate the Parent Designees for re-election in the first year in which the Parent Designees' term expires.

(c) For a period of three years after the Closing, J.R. Hyde, III will have the right to designate a Person to participate in the Parent Board meetings as an observer (the "**Board Observer**"); provided that (i) the obligations of Parent shall be subject to the Board Observer agreeing in writing to a customary confidentiality agreement with respect to information so provided, and (ii) Parent and the Parent Board may withhold any information from and exclude the Board Observer from any meeting or portion thereof to the extent access to such information or attendance at such meeting could adversely affect the attorney-client privilege between Parent and its counsel or result in disclosure of Parent's trade secrets or if such information or meeting involves a material conflict of interest with Parent and the Board Observer. The Person listed in **Exhibit C** under the heading "Board Observer" is designated as the Board Observer until J.R. Hyde, III appoints a successor.

5.13 **Termination of Certain Agreements and Rights.** The Company shall cause any Investor Agreements (excluding the Company Stockholder Support Agreements and Company Lock-up Agreements) to be terminated immediately prior to the Effective Time, without any liability being imposed on the part of Parent or the Surviving Corporation.

5.14 **Section 16 Matters.** Prior to the Effective Time, Parent and the Company shall take all such steps as may be required (to the extent permitted under applicable Laws) to cause any acquisitions of Parent Common Stock, restricted stock awards to acquire Parent Common Stock and any options to purchase Parent Common Stock in connection with the Contemplated Transactions, by each individual who is reasonably expected to become subject to the reporting requirements of Section 16(a) of the Exchange Act with respect to Parent, to be exempt under Rule 16b-3 promulgated under the Exchange Act.

5.15 **Cooperation.** Each Party shall cooperate reasonably with the other Party and shall provide the other Party with such assistance as may be reasonably requested for the purpose of facilitating the performance by each Party of its respective obligations under this Agreement and to enable the combined entity to continue to meet its obligations following the Effective Time.

5.16 **Allocation Certificates.**

(a) The Company will prepare and deliver to Parent at least five Business Days prior to the Closing Date a certificate signed by the Chief Financial Officer of the Company in a form reasonably acceptable to Parent setting forth (as of immediately prior to the Effective Time) (i) each holder of Company Common Stock, Company Options, and Company Warrants; (ii) such holder's name and address; (iii) the number and type of Company Common Stock held and/or underlying the Company Options, and Company Warrants as of the immediately prior to the Effective Time for each such holder; and (iv) the number of shares of Parent Common Stock to be issued to such holder, or to underlie any Company Option or Company Warrant to be issued to such holder, pursuant to this Agreement in respect of the Company Common Stock, Company Options or Company Warrants held by such holder as of immediately prior to the Effective Time (the "**Allocation Certificate**").

(b) Parent will prepare and deliver to the Company at least five Business Days prior to the Closing Date a certificate signed by the Chief Financial Officer of Parent in a form reasonably acceptable to the Company, setting forth, as of immediately prior to the Effective Time (i) each record holder of Parent Common Stock, Parent Options, Parent Deferred Stock Rights, or Parent Warrants; (ii) such record holder's name and address; and (iii) the number of shares of Parent Common Stock held and/or

underlying the Parent Options, Parent Deferred Stock Rights, or Parent Warrants as of the Effective Time for such holder (the “**Parent Outstanding Shares Certificate**”).

5.17 **Company Financial Statements.** As promptly as reasonably practicable following the date of this Agreement (i) and no later than March 22, 2019 the Company will furnish to Parent audited financial statements for the fiscal years ended 2017 and 2018 for inclusion in the Proxy Statement and the Registration Statement (the “**Company Audited Financial Statements**”) and (ii) the Company will furnish to Parent unaudited interim financial statements for each interim period completed prior to Closing that would be required to be included in the Registration Statement or any periodic report due prior to the Closing if the Company were subject to the periodic reporting requirements under the Securities Act or the Exchange Act (the “**Company Interim Financial Statements**”). Each of the Company Audited Financial Statements and the Company Interim Financial Statements will be suitable for inclusion in the Proxy Statement and the Registration Statement and prepared in accordance with GAAP as applied on a consistent basis during the periods involved (except in each case as described in the notes thereto) and on that basis will present fairly, in all material respects, the financial position and the results of operations, changes in stockholders’ equity, and cash flows of the Company as of the dates of and for the periods referred to in the Company Audited Financial Statements or the Company Interim Financial Statements, as the case may be.

5.18 **Takeover Statutes.** If any Takeover Statute is or may become applicable to the Contemplated Transactions, each of the Company, the Company Board, Parent and the Parent Board, as applicable, shall grant such approvals and take such actions as are necessary so that the Contemplated Transactions may be consummated as promptly as practicable on the terms contemplated by this Agreement and otherwise act to eliminate or minimize the effects of such statute or regulation on the Contemplated Transactions.

5.19 **Stockholder Litigation.** Each Party shall keep the other Party reasonably informed regarding any stockholder litigation against any Party or any of its respective directors relating to or challenging this Agreement or the consummation of the Contemplated Transactions. Prior to the Closing, Parent shall reasonably consult with and permit the Company and its Representatives to participate in the defense, negotiations and settlement of any such stockholder litigation, and Parent shall give consideration to the Company’s advice with respect to stockholder litigation. Parent shall promptly advise the Company orally and in writing of the initiation of, and shall keep the Company reasonably apprised of any material developments in connection with, any such stockholder litigation.

5.20 **Parent Equity Plan.**

(a) Prior to or as of the Effective Time, the Board of Directors and stockholders of Parent shall adopt the incentive award plan attached hereto as **Exhibit F** (the “**2019 Plan**”) reserving for issuance 12% of the Parent Fully-Diluted Shares after giving effect to the Closing. The 2019 Plan will provide that the number of shares reserved for issuance thereunder will be increased annually on the first day of each year beginning in 2020 and ending in 2029, at the discretion of the Parent’s Board of Directors, in an amount equal to the least of (a) five percent of the shares of Parent Common Stock outstanding (on an as-converted basis) on the last day of the immediately preceding year and (b) such smaller number of shares of stock as determined by the Parent’s Board of Directors.

(b) Parent shall file with the SEC, promptly after the Effective Time, a registration statement on Form S-8 (or any successor form), if available for use by Parent, relating to the shares of Parent Common Stock issuable with respect to 2019 Plan.

5.21 **Preferred Stock Conversion.** The Company shall take all necessary action to effect the conversion of the Company Preferred Stock into Company Common Stock immediately prior to the Effect Time (the “**Preferred Stock Conversion**”).

5.22 **Parent Options.**

(a) Prior to the Closing, the Parent Board shall have adopted appropriate resolutions and taken all other actions necessary and appropriate to provide that each unexpired and unexercised Parent Option, whether vested or unvested, shall be accelerated in full effective as of immediately prior to the Effective Time.

(b) Prior to the Closing, Parent shall take all actions that may be necessary (under the Parent Stock Plans and otherwise) to effectuate the provisions of this Section 5.22.

5.23 **Termination of Parent Deferred Stock Rights.** Prior to the Effective Time (but in no event more than 30 days prior to the Effective Time), Parent’s Board of Directors or a duly authorized committee thereof shall, without any further action on the part of any holder thereof, take all actions necessary to cause the termination and liquidation of the Parent 2018 Amended and Restated Directors’ Deferred Compensation Plan and all Parent Deferred Stock Rights or other deferrals thereunder effective immediately prior to the Effective Time, subject to the consummation of the Merger. Parent shall take all actions necessary to ensure that any deferrals under the Parent 2018 Amended and Restated Directors’ Deferred Compensation Plan on or after January 3, 2019 shall be settled only in cash and that the maximum number of shares of Parent Common Stock issuable upon settlement of the Parent Deferred Share Units shall be limited to the number of Parent Deferred Share Units outstanding as of the date of this Agreement as set forth in Section 3.6(c).

Section 6. CONDITIONS PRECEDENT TO OBLIGATIONS OF EACH PARTY

The obligations of each Party to effect the Merger and otherwise consummate the Contemplated Transactions to be consummated at the Closing are subject to the satisfaction or, to the extent permitted by applicable Law, the written waiver by each of the Parties, at or prior to the Closing, of each of the following conditions:

6.1 **Effectiveness of Registration Statement.** The Registration Statement shall have become effective in accordance with the provisions of the Securities Act, and shall not be subject to any stop order or proceeding (or threatened proceeding by the SEC) seeking a stop order with respect to the Registration Statement that has not been withdrawn.

6.2 **No Restraints.** No temporary restraining order, preliminary or permanent injunction or other order preventing the consummation of the Contemplated Transactions shall have been issued by any court of competent jurisdiction or other Governmental Body of competent jurisdiction and remain in effect and there shall not be any Law which has the effect of making the consummation of the Contemplated Transactions illegal.

6.3 **Stockholder Approval.** (a) Parent shall have obtained the Required Parent Stockholder Vote and (b) the Company shall have obtained the Required Company Stockholder Vote.

6.4 **Listing.** The existing shares of Parent Common Stock shall have been continually listed on Nasdaq as of and from the date of this Agreement through the Closing Date, the approval of the listing of additional shares of Parent Common Stock on Nasdaq shall have been obtained and the shares of

Parent Common Stock to be issued in the Merger pursuant to this Agreement shall have been approved for listing (subject to official notice of issuance) on Nasdaq as of the Closing.

6.5 **Regulatory Approvals.** All applicable waiting periods (and any extension thereof) applicable to the Merger under the HSR Act shall have expired or early termination of such waiting periods shall have been granted and all applicable foreign antitrust approvals shall have been obtained.

Section 7. ADDITIONAL CONDITIONS PRECEDENT TO OBLIGATIONS OF PARENT AND MERGER SUB

The obligations of Parent and Merger Sub to effect the Merger and otherwise consummate the transactions to be consummated at the Closing are subject to the satisfaction or the written waiver by Parent, at or prior to the Closing, of each of the following conditions:

7.1 **Accuracy of Representations.** The Company Fundamental Representations shall have been true and correct in all material respects as of the date of this Agreement and shall be true and correct in all material respects on and as of the Closing Date with the same force and effect as if made on and as of such date (except to the extent such representations and warranties are specifically made as of a particular date, in which case such representations and warranties shall be true and correct in all material respects as of such date). The representations and warranties of the Company contained in this Agreement (other than the Company Fundamental Representations) shall have been true and correct as of the date of this Agreement and shall be true and correct on and as of the Closing Date with the same force and effect as if made on the Closing Date, except (a) in each case, or in the aggregate, where the failure to be true and correct would not reasonably be expected to have a Company Material Adverse Effect (without giving effect to any references therein to any Company Material Adverse Effect or other materiality qualifications), or (b) for those representations and warranties which address matters only as of a particular date (which representations shall have been true and correct, subject to the qualifications as set forth in the preceding clause (a), as of such particular date) (it being understood that, for purposes of determining the accuracy of such representations and warranties, any update of or modification to the Company Disclosure Schedule made or purported to have been made after the date of this Agreement shall be disregarded).

7.2 **Performance of Covenants.** The Company shall have performed or complied with in all material respects all agreements and covenants required to be performed or complied with by it under this Agreement at or prior to the Effective Time.

7.3 **Documents.** Parent shall have received the following documents, each of which shall be in full force and effect:

(a) a certificate executed by the Chief Executive Officer or Chief Financial Officer of the Company certifying (i) that the conditions set forth in Sections 7.1, 7.2, 7.5, 7.6 and 7.9 have been duly satisfied and (ii) that the information set forth in the Allocation Certificate delivered by the Company in accordance with Section 5.16 is true and accurate in all respects as of the Closing Date; and

(b) the Allocation Certificate.

7.4 **FIRPTA Certificate.** Parent shall have received (i) an original signed statement from the Company that the Company is not, and has not been at any time during the applicable period specified in Section 897(c)(1)(A)(ii) of the Code, a “United States real property holding corporation,” as defined in Section 897(c)(2) of the Code, conforming to the requirements of Treasury Regulations Section 1.1445-2(c)(3) and 1.897-2(h), and (ii) an original signed notice to be delivered to the IRS in accordance with the provisions of Treasury Regulations Section 1.897-2(h)(2), together with written authorization for

Parent to deliver such notice to the IRS on behalf of the Company following the Closing, each dated as of the Closing Date, duly executed by an authorized officer of the Company, and in form and substance reasonably acceptable to Parent.

7.5 **No Company Material Adverse Effect.** Since the date of this Agreement, there shall not have occurred any Company Material Adverse Effect that is continuing.

7.6 **Termination of Investor Agreements.** The Investor Agreements shall have been terminated.

7.7 **Company Lock-Up Agreements.** Parent shall have received the Company Lock-Up Agreements duly executed by each of the Company Signatories, each stockholder of the Company expected to own more than ten percent (10%) of the outstanding Parent Common Stock after the Closing and each executive officer and director of the Company who is elected or appointed, as applicable, as an executive officer and director of Parent as of immediately following the Closing, each of which shall be in full force and effect.

7.8 **Company Stockholder Written Consent.** The Company Stockholder Written Consent evidencing the Required Company Stockholder Vote shall be in full force and effect.

7.9 **Preferred Stock Conversion.** The Company has effected the Preferred Stock Conversion.

7.10 **Parent Closing Tax Opinion.** Parent shall have received (i) the Parent Closing Tax Opinion and (ii) a copy of the Company Closing Tax Opinion.

Section 8. ADDITIONAL CONDITIONS PRECEDENT TO OBLIGATION OF THE COMPANY

The obligations of the Company to effect the Merger and otherwise consummate the transactions to be consummated at the Closing are subject to the satisfaction or the written waiver by the Company, at or prior to the Closing, of each of the following conditions:

8.1 **Accuracy of Representations.** The Parent Fundamental Representations shall have been true and correct in all material respects as of the date of this Agreement and shall be true and correct in all material respects on and as of the Closing Date with the same force and effect as if made on and as of such date (except to the extent such representations and warranties are specifically made as of a particular date, in which case such representations and warranties shall be true and correct in all material respects as of such date). The representations and warranties of Parent and Merger Sub contained in this Agreement (other than the Parent Fundamental Representations) shall have been true and correct as of the date of this Agreement and shall be true and correct on and as of the Closing Date with the same force and effect as if made on the Closing Date except (a) in each case, or in the aggregate, where the failure to be true and correct would not reasonably be expected to have a Parent Material Adverse Effect (without giving effect to any references therein to any Parent Material Adverse Effect or other materiality qualifications), or (b) for those representations and warranties which address matters only as of a particular date (which representations shall have been true and correct, subject to the qualifications as set forth in the preceding clause (a), as of such particular date) (it being understood that, for purposes of determining the accuracy of such representations and warranties, any update of or modification to the Parent Disclosure Schedule made or purported to have been made after the date of this Agreement shall be disregarded).

8.2 **Performance of Covenants.** Parent and Merger Sub shall have performed or complied with in all material respects all of their agreements and covenants required to be performed or complied with by each of them under this Agreement at or prior to the Effective Time.

8.3 **Documents.** The Company shall have received the following documents, each of which shall be in full force and effect:

(a) a certificate executed by the Chief Executive Officer or Chief Financial Officer of Parent confirming that the conditions set forth in Sections 8.1, 8.2, and 8.4 have been duly satisfied;

(b) the Parent Outstanding Shares Certificate; and

(c) a written resignation, in a form reasonably satisfactory to the Company, dated as of the Closing Date and effective as of the Closing, executed by each of the officers and directors of Parent who are not to continue as officers or directors of Parent after the Closing pursuant to Section 5.12 hereof.

8.4 **No Parent Material Adverse Effect.** Since the date of this Agreement, there shall not have occurred any Parent Material Adverse Effect.

8.5 **Parent Lock-Up Agreements.** The Company shall have received the Parent Lock-Up Agreements duly executed by each of the Parent Signatories, each of which shall be in full force and effect.

8.6 **Company Closing Tax Opinion.** The Company shall have received (i) the Company Closing Tax Opinion and (ii) a copy of the Parent Closing Tax Opinion.

8.7 **Board of Directors.** Parent shall have caused the Parent Board to be constituted as set forth in Section 5.12 of this Agreement effective as of the Effective Time.

Section 9. TERMINATION

9.1 **Termination.** This Agreement may be terminated prior to the Effective Time (whether before or after adoption of this Agreement by the Company's stockholders and whether before or after approval of the Parent Stockholder Matters by Parent's stockholders, unless otherwise specified below):

(a) by mutual written consent of Parent and the Company;

(b) by either Parent or the Company if the Contemplated Transactions shall not have been consummated by August 6, 2019 (subject to possible extension as provided in this Section 9.1(b), the "**End Date**"); *provided, however*, that the right to terminate this Agreement under this Section 9.1(b) shall not be available to the Company, on the one hand, or to Parent, on the other hand, if such Party's action or failure to act has been a principal cause of the failure of the Contemplated Transactions to occur on or before the End Date and such action or failure to act constitutes a breach of this Agreement, *provided, further, however*, that, in the event that a request for additional information has been made by any Governmental Body, or in the event that the SEC has not declared effective under the Exchange Act the Registration Statement by the date which is 60 days prior to the End Date, then either the Company or Parent shall be entitled to extend the End Date for an additional 60 days by written notice to the other the Party;

(c) by either Parent or the Company if a court of competent jurisdiction or other Governmental Body shall have issued a final and nonappealable order, decree or ruling, or shall have taken any other action, having the effect of permanently restraining, enjoining or otherwise prohibiting the Contemplated Transactions;

(d) by Parent if the Company Stockholder Written Consent evidencing the Required Company Stockholder Vote shall not have been obtained within the later of (i) 15 Business Days of the Registration Statement becoming effective in accordance with the provisions of the Securities Act and (ii) the date on which Parent obtains the Required Parent Stockholder Vote; *provided, however*, that once the Company Stockholder Written Consent evidencing the Required Company Stockholder Vote has been obtained, Parent may not terminate this Agreement pursuant to this [Section 9.1\(d\)](#);

(e) by either Parent or the Company if (i) the Parent Stockholders' Meeting (including any adjournments and postponements thereof) shall have been held and completed and Parent's stockholders shall have taken a final vote on the Parent Stockholder Matters and (ii) the Parent Stockholder Matters shall not have been approved at the Parent Stockholders' Meeting (or at any adjournment or postponement thereof) by the Required Parent Stockholder Vote *provided, however*, that the right to terminate this Agreement under this [Section 9.1\(e\)](#) shall not be available to Parent where the failure to obtain the Required Parent Stockholder Vote has been caused by the action or failure to act of Parent or Merger Sub and such action or failure to act constitutes a material breach by Parent or Merger Sub of this Agreement;

(f) by the Company (at any time prior to the approval of the Parent Stockholder Matters by the Required Parent Stockholder Vote) if a Parent Triggering Event shall have occurred;

(g) by Parent (at any time prior to the Required Company Stockholder Vote being obtained) if a Company Triggering Event shall have occurred;

(h) by the Company, upon a breach of any representation, warranty, covenant or agreement set forth in this Agreement by Parent or Merger Sub or if any representation or warranty of Parent or Merger Sub shall have become inaccurate, in either case, such that the conditions set forth in [Section 8.1](#) or [Section 8.2](#) would not be satisfied as of the time of such breach or as of the time such representation or warranty shall have become inaccurate; *provided* that the Company is not then in material breach of any representation, warranty, covenant or agreement under this Agreement; *provided, further*, that if such inaccuracy in Parent's or Merger Sub's representations and warranties or breach by Parent or Merger Sub is curable by the End Date by Parent or Merger Sub, then this Agreement shall not terminate pursuant to this [Section 9.1\(h\)](#) as a result of such particular breach or inaccuracy until the expiration of a 15-day period commencing upon delivery of written notice from the Company to Parent or Merger Sub of such breach or inaccuracy and its intention to terminate pursuant to this [Section 9.1\(h\)](#) (it being understood that this Agreement shall not terminate pursuant to this [Section 9.1\(h\)](#) as a result of such particular breach or inaccuracy if such breach by Parent or Merger Sub is cured prior to such termination becoming effective); or

(i) by Parent, upon a breach of any representation, warranty, covenant or agreement set forth in this Agreement by the Company or if any representation or warranty of the Company shall have become inaccurate, in either case, such that the conditions set forth in [Section 7.1](#) or [Section 7.2](#) would not be satisfied as of the time of such breach or as of the time such representation or warranty shall have become inaccurate; *provided* that Parent is not then in material breach of any representation, warranty, covenant or agreement under this Agreement; *provided, further*, that if such inaccuracy in the Company's representations and warranties or breach by the Company is curable by the End Date by the Company then

this Agreement shall not terminate pursuant to this Section 9.1(i) as a result of such particular breach or inaccuracy until the expiration of a 15-day period commencing upon delivery of written notice from Parent to the Company of such breach or inaccuracy and its intention to terminate pursuant to this Section 9.1(i) (it being understood that this Agreement shall not terminate pursuant to this Section 9.1(i) as a result of such particular breach or inaccuracy if such breach by the Company is cured prior to such termination becoming effective).

9.2 **Effect of Termination.** In the event of the termination of this Agreement as provided in Section 9.1, this Agreement shall be of no further force or effect; *provided, however*, that (a) this Section 9.2, Section 5.8, Section 9.3, Section 10 and the definitions of the defined terms in such Sections shall survive the termination of this Agreement and shall remain in full force and effect, (b) the termination of this Agreement and the provisions of Section 9.3 shall not relieve any Party of any liability for fraud or for any willful and material breach of any representation, warranty, covenant, obligation or other provision contained in this Agreement, and (c) in the event this Agreement is terminated (i) by the Company pursuant to Section 9.1(h), then Parent shall pay to the Company an amount equal to \$500,000 within five Business Days of terminating this Agreement, (ii) by Parent pursuant to Section 9.1(i), then the Company shall pay to Parent an amount equal to \$500,000 within five Business Days of terminating this Agreement.

9.3 **Expenses; Termination Fees.**

(a) Except as set forth in this Section 9.3, whether or not the Merger is consummated, (i) all Parent Transaction Expenses shall be paid by Parent (or on behalf of Parent) at or prior to the Closing and (ii) all Company Transaction Expenses shall be paid by the Company.

(b) If (i) this Agreement is terminated by the Company pursuant to Section 9.1(f), and (ii) an Acquisition Proposal with respect to Parent shall have been publicly announced or disclosed or otherwise communicated to Parent or the Parent Board after the date of this Agreement but prior to the termination of this Agreement, and (iii) within 12 months after the date of such termination, Parent enters into a definitive agreement with respect to any Subsequent Transaction, then Parent shall pay to the Company an amount equal to \$1,000,000 within five Business Days of such entry into a definitive agreement with respect to a Subsequent Transaction.

(c) If (i) this Agreement is terminated by Parent pursuant to Section 9.1(g), and (ii) an Acquisition Proposal with respect to the Company shall have been publicly announced or disclosed or otherwise communicated to the Company or the Company Board after the date of this Agreement but prior to the termination of this Agreement, and (iii) within 12 months after the date of such termination, the Company enters into a definitive agreement with respect to any Subsequent Transaction, then the Company shall pay to Parent an amount equal to \$1,000,000 within five Business Days of such entry into a definitive agreement with respect to a Subsequent Transaction.

(d) If this Agreement is terminated (i) by Parent pursuant to Section 9.1(d), or (ii) by the Company pursuant to Section 9.1(b) and the Company Stockholder Written Consent evidencing the Required Company Stockholder Vote has not been obtained by the Company, then the Company shall pay to Parent within five Business Days of such termination an amount equal to \$2,000,000.

(e) If (i) this Agreement is terminated by either Parent or the Company pursuant to Section 9.1(e), or (ii) by Parent pursuant to Section 9.1(b) and the Required Parent Stockholder Vote has not been obtained by Parent, then Parent shall pay to the Company within five Business Days of such termination an amount equal to \$2,000,000

(f) Any fee payable by the Company or Parent under Section 9.2 or this Section 9.3 shall be paid by wire transfer of same day funds. If a Party fails to pay when due any amount payable by it under Section 9.2 or this Section 9.3, then such Party shall pay to the other Party interest on such overdue amount (for the period commencing as of the date such overdue amount was originally required to be paid and ending on the date such overdue amount is actually paid to the other Party in full) at a rate per annum equal to the “prime rate” (as published in *The Wall Street Journal* or any successor thereto) in effect on the date such overdue amount was originally required to be paid.

(g) The Parties agree that, (i) subject to Section 9.2, any fee payable by Parent to the Company under this Section 9.3, in the circumstances in which it is owed in accordance with the terms of this Agreement, constitute the sole and exclusive remedy of the Company following the termination of this Agreement under the circumstances described in this Section 9.3, it being understood that in no event shall Parent be required to pay the amounts payable pursuant to this Section 9.3 on more than one occasion and (ii) following payment of any fee payable by Parent to the Company under this Section 9.3 (A) Parent shall have no further liability to the Company in connection with or arising out of this Agreement or the termination thereof, any breach of this Agreement by Parent giving rise to such termination, or the failure of the Contemplated Transactions to be consummated, (B) neither the Company nor any of its Affiliates shall be entitled to bring or maintain any other claim, action or proceeding against Parent or Merger Sub or seek to obtain any recovery, judgment or damages of any kind against such Parties (or any partner, member, stockholder, director, officer, employee, Subsidiary, Affiliate, agent or other Representative of such Parties) in connection with or arising out of this Agreement or the termination thereof, any breach by any such Parties giving rise to such termination or the failure of the Contemplated Transactions to be consummated and (C) the Company and its Affiliates shall be precluded from any other remedy against Parent, Merger Sub and their respective Affiliates, at law or in equity or otherwise, in connection with or arising out of this Agreement or the termination thereof, any breach by such Party giving rise to such termination or the failure of the Contemplated Transactions to be consummated; *provided, however*, that nothing in this Section 9.3(g) shall limit the rights of Parent and Merger Sub under Section 10.11.

(h) The Parties agree that, (i) subject to Section 9.2, any fee payable by the Company to Parent under this Section 9.3 shall, in the circumstances in which it is owed in accordance with the terms of this Agreement, constitute the sole and exclusive remedy of Parent following the termination of this Agreement under the circumstances described in this Section 9.3, it being understood that in no event shall the Company be required to pay the amounts payable pursuant to this Section 9.3 on more than one occasion and (ii) following payment of any fee payable by the Company to Parent under this Section 9.3 (A) the Company shall have no further liability to Parent in connection with or arising out of this Agreement or the termination thereof, any breach of this Agreement by the Company giving rise to such termination, or the failure of the Contemplated Transactions to be consummated, (B) neither Parent nor any of its Affiliates shall be entitled to bring or maintain any other claim, action or proceeding against the Company or seek to obtain any recovery, judgment or damages of any kind against such Parties (or any partner, member, stockholder, director, officer, employee, Subsidiary, Affiliate, agent or other Representative of such Parties) in connection with or arising out of this Agreement or the termination thereof, any breach by any such Parties giving rise to such termination or the failure of the Contemplated Transactions to be consummated and (C) Parent and its Affiliates shall be precluded from any other remedy against the Company and its Affiliates, at law or in equity or otherwise, in connection with or arising out of this Agreement or the termination thereof, any breach by such Party giving rise to such termination or the failure of the Contemplated Transactions to be consummated; *provided, however*, that nothing in this Section 9.3(h) shall limit the rights of the Company under Section 10.11.

(i) Each of the Parties acknowledges that (i) the agreements contained in this Section 9.3 are an integral part of the Contemplated Transactions, (ii) without these agreements, the Parties

would not enter into this Agreement and (iii) any amount payable pursuant to this Section 9.3 is not a penalty, but rather is liquidated damages in a reasonable amount that will compensate the Company in the circumstances in which such amount is payable.

Section 10. MISCELLANEOUS PROVISIONS

10.1 **Non-Survival of Representations and Warranties.** The representations and warranties of the Company, Parent and Merger Sub contained in this Agreement or any certificate or instrument delivered pursuant to this Agreement shall terminate at the Effective Time, and only the covenants that by their terms survive the Effective Time and this Section 10 shall survive the Effective Time.

10.2 **Amendment.** This Agreement may be amended with the approval of the respective boards of directors of the Company, Merger Sub and Parent at any time (whether before or after the adoption and approval of this Agreement by the Company's stockholders or before or after obtaining the Required Parent Stockholder Vote); *provided, however*, that after any such approval of this Agreement by a Party's stockholders, no amendment shall be made which by Law requires further approval of such stockholders without the further approval of such stockholders. This Agreement may not be amended except by an instrument in writing signed on behalf of each of the Company, Merger Sub and Parent.

10.3 **Waiver.**

(a) No failure on the part of any Party to exercise any power, right, privilege or remedy under this Agreement, and no delay on the part of any Party in exercising any power, right, privilege or remedy under this Agreement, shall operate as a waiver of such power, right, privilege or remedy; and no single or partial exercise of any such power, right, privilege or remedy shall preclude any other or further exercise thereof or of any other power, right, privilege or remedy.

(b) No Party shall be deemed to have waived any claim arising out of this Agreement, or any power, right, privilege or remedy under this Agreement, unless the waiver of such claim, power, right, privilege or remedy is expressly set forth in a written instrument duly executed and delivered on behalf of such Party and any such waiver shall not be applicable or have any effect except in the specific instance in which it is given.

10.4 **Entire Agreement; Counterparts; Exchanges by Electronic Transmission.** This Agreement and the other agreements referred to in this Agreement constitute the entire agreement and supersede all prior agreements and understandings, both written and oral, among or between any of the Parties with respect to the subject matter hereof and thereof; *provided, however*, that the Confidentiality Agreement shall not be superseded and shall remain in full force and effect in accordance with its terms. This Agreement may be executed in several counterparts, each of which shall be deemed an original and all of which shall constitute one and the same instrument. The exchange of a fully executed Agreement (in counterparts or otherwise) by all Parties by electronic transmission in .PDF format shall be sufficient to bind the Parties to the terms and conditions of this Agreement.

10.5 **Applicable Law; Jurisdiction.** This Agreement shall be governed by, and construed in accordance with, the Laws of the State of Delaware, regardless of the Laws that might otherwise govern under applicable principles of conflicts of laws. In any action or proceeding between any of the Parties arising out of or relating to this Agreement or any of the Contemplated Transactions, each of the Parties: (a) irrevocably and unconditionally consents and submits to the exclusive jurisdiction and venue of the Court of Chancery of the State of Delaware or, to the extent such court does not have subject matter jurisdiction, the United States District Court for the District of Delaware or, to the extent that neither of the

foregoing courts has jurisdiction, the Superior Court of the State of Delaware; (b) agrees that all claims in respect of such action or proceeding shall be heard and determined exclusively in accordance with clause (a) of this Section 10.5; (c) waives any objection to laying venue in any such action or proceeding in such courts; (d) waives any objection that such courts are an inconvenient forum or do not have jurisdiction over any Party; (e) agrees that service of process upon such Party in any such action or proceeding shall be effective if notice is given in accordance with Section 10.8 of this Agreement; and (f) irrevocably and unconditionally waives the right to trial by jury.

10.6 **Attorneys' Fees.** In any action at law or suit in equity to enforce this Agreement or the rights of any of the Parties, the prevailing Party in such action or suit (as determined by a court of competent jurisdiction) shall be entitled to recover its reasonable out-of-pocket attorneys' fees and all other reasonable costs and expenses incurred in such action or suit.

10.7 **Assignability.** This Agreement shall be binding upon, and shall be enforceable by and inure solely to the benefit of, the Parties and their respective successors and permitted assigns; *provided, however*, that neither this Agreement nor any of a Party's rights or obligations hereunder may be assigned or delegated by such Party without the prior written consent of the other Party, and any attempted assignment or delegation of this Agreement or any of such rights or obligations by such Party without the other Party's prior written consent shall be void and of no effect.

10.8 **Notices.** All notices and other communications hereunder shall be in writing and shall be deemed to have been duly delivered and received hereunder (a) one Business Day after being sent for next Business Day delivery, fees prepaid, via a reputable international overnight courier service, (b) upon delivery in the case of delivery by hand, or (c) on the date delivered in the place of delivery if sent by email (with a written or electronic confirmation of delivery) prior to 5:00 p.m. Central time, otherwise on the next succeeding Business Day, in each case to the intended recipient as set forth below:

if to Parent or Merger Sub:

GTx, Inc.
175 Toyota Plaza, 7th Floor
Memphis, TN 38103
Attention: Marc S. Hanover; Henry P. Doggrell
Email: mhanover@gtxinc.com; hdoggrell@gtxinc.com

with a copy to (which shall not constitute notice):

Cooley LLP
101 California Street, 5th Floor
San Francisco, CA 94111-5800
Attention: Chadwick Mills, Laura Medina, Kassendra Galindo
Email: cmills@cooley.com, lmedina@cooley.com, kgalindo@cooley.com

if to the Company:

Oncternal Therapeutics, Inc.
3525 Del Mar heights Rd., #821
San Diego, CA 92130
Attention: James Breitmeyer, President & CEO
Email: jbreitmeyer@oncternal.com

with a copy to (which shall not constitute notice):

Latham & Watkins LLP
12670 High Bluff Drive
San Diego, CA 92130
Attention: Cheston J. Larson
Email: cheston.larson@lw.com

10.9 **Cooperation.** Each Party agrees to cooperate fully with the other Party and to execute and deliver such further documents, certificates, agreements and instruments and to take such other actions as may be reasonably requested by the other Party to evidence or reflect the Contemplated Transactions and to carry out the intent and purposes of this Agreement.

10.10 **Severability.** Any term or provision of this Agreement that is invalid or unenforceable in any situation in any jurisdiction shall not affect the validity or enforceability of the remaining terms and provisions of this Agreement or the validity or enforceability of the offending term or provision in any other situation or in any other jurisdiction. If a final judgment of a court of competent jurisdiction declares that any term or provision of this Agreement is invalid or unenforceable, the Parties agree that the court making such determination shall have the power to limit such term or provision, to delete specific words or phrases or to replace such term or provision with a term or provision that is valid and enforceable and that comes closest to expressing the intention of the invalid or unenforceable term or provision, and this Agreement shall be valid and enforceable as so modified. In the event such court does not exercise the power granted to it in the prior sentence, the Parties agree to replace such invalid or unenforceable term or provision with a valid and enforceable term or provision that will achieve, to the extent possible, the economic, business and other purposes of such invalid or unenforceable term or provision.

10.11 **Other Remedies; Specific Performance.** Except as otherwise provided herein, any and all remedies herein expressly conferred upon a Party will be deemed cumulative with and not exclusive of any other remedy conferred hereby, or by law or equity upon such Party, and the exercise by a Party of any one remedy will not preclude the exercise of any other remedy. The Parties agree that irreparable damage for which monetary damages, even if available, would not be an adequate remedy, would occur in the event that any Party does not perform the provisions of this Agreement (including failing to take such actions as are required of it hereunder to consummate this Agreement) in accordance with its specified terms or otherwise breaches such provisions. Accordingly, the Parties acknowledge and agree that the Parties shall be entitled to an injunction, specific performance and other equitable relief to prevent breaches of this Agreement and to enforce specifically the terms and provisions hereof, in addition to any other remedy to which they are entitled at law or in equity. Each of the Parties agrees that it will not oppose the granting of an injunction, specific performance or other equitable relief on the basis that any other Party has an adequate remedy at law or that any award of specific performance is not an appropriate remedy for any reason at law or in equity. Any Party seeking an injunction or injunctions to prevent breaches of this Agreement shall not be required to provide any bond or other security in connection with any such order or injunction.

10.12 **No Third Party Beneficiaries.** Nothing in this Agreement, express or implied, is intended to or shall confer upon any Person (other than the Parties and the D&O Indemnified Parties to the extent of their respective rights pursuant to Section 5.6) any right, benefit or remedy of any nature whatsoever under or by reason of this Agreement.

10.13 **Construction.**

(a) References to “cash,” “dollars” or “\$” are to U.S. dollars.

(b) For purposes of this Agreement, whenever the context requires: the singular number shall include the plural, and vice versa; the masculine gender shall include the feminine and neuter genders; the feminine gender shall include the masculine and neuter genders; and the neuter gender shall include masculine and feminine genders.

(c) The Parties have participated jointly in the negotiating and drafting of this Agreement and agree that any rule of construction to the effect that ambiguities are to be resolved against the drafting Party shall not be applied in the construction or interpretation of this Agreement, and no presumption or burden of proof shall arise favoring or disfavoring any Party by virtue of the authorship of any provision of this Agreement.

(d) As used in this Agreement, the words “include” and “including,” and variations thereof, shall not be deemed to be terms of limitation, but rather shall be deemed to be followed by the words “without limitation.”

(e) Except as otherwise indicated, all references in this Agreement to “Sections,” “Exhibits” and “Schedules” are intended to refer to Sections of this Agreement and Exhibits and Schedules to this Agreement, respectively.

(f) Any reference to legislation or to any provision of any legislation shall include any modification, amendment, re-enactment thereof, any legislative provision substituted therefore and all rules, regulations, and statutory instruments issued or related to such legislations.

(g) The bold-faced headings and table of contents contained in this Agreement are for convenience of reference only, shall not be deemed to be a part of this Agreement and shall not be referred to in connection with the construction or interpretation of this Agreement.

(h) The Parties agree that each of the Company Disclosure Schedule and the Parent Disclosure Schedule shall be arranged in sections and subsections corresponding to the numbered and lettered sections and subsections contained in this Agreement. The disclosures in any section or subsection of the Company Disclosure Schedule or the Parent Disclosure Schedule shall qualify other sections and subsections in this Agreement to the extent it is readily apparent on its face from a reading of the disclosure that such disclosure is applicable to such other sections and subsections.

(i) Each of “delivered” or “made available” means, with respect to any documentation, that prior to 11:59 p.m. (Central time) on the date that is two Business Days prior to the date of this Agreement (i) a copy of such material has been posted to and made available by a Party to the other Party and its Representatives in the electronic data room maintained by such disclosing Party or (ii) such material is disclosed in the Parent SEC Documents filed with the SEC prior to the date hereof and publicly made available on the SEC’s Electronic Data Gathering Analysis and Retrieval system.

(j) Whenever the last day for the exercise of any privilege or the discharge of any duty hereunder shall fall upon a Saturday, Sunday, or any date on which banks in New York, New York are authorized or obligated by Law to be closed, the Party having such privilege or duty may exercise such privilege or discharge such duty on the next succeeding day which is a regular Business Day.

(Remainder of page intentionally left blank)

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed as of the date first above written.

GTX, INC.

By: /s/ Marc Hanover
Name: Marc Hanover
Title: Chief Executive Officer

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed as of the date first above written.

GRIZZLY MERGER SUB, INC.

By: /s/ Henry Doggrell
Name: Henry Doggrell
Title: Chief Executive Officer

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed as of the date first above written.

ONCTERNAL THERAPEUTICS, INC.

By: /s/ James Breitmeyer
Name: James Breitmeyer
Title: President and Chief Executive Officer

EXHIBIT A

CERTAIN DEFINITIONS

(a) For purposes of this Agreement (including this Exhibit A):

“**Acquisition Inquiry**” means, with respect to a Party, an inquiry, indication of interest or request for information (other than an inquiry, indication of interest or request for information made or submitted by the Company, on the one hand, or Parent, on the other hand, to the other Party) that would reasonably be expected to lead to an Acquisition Proposal.

“**Acquisition Proposal**” means, with respect to a Party, any offer or proposal, whether written or oral (other than an offer or proposal made or submitted by or on behalf of the Company or any of its Affiliates, on the one hand, or by or on behalf of Parent or any of its Affiliates, on the other hand, to the other Party) contemplating or otherwise relating to any Acquisition Transaction with such Party.

“**Acquisition Transaction**” means any transaction or series of related transactions involving:

(i) any merger, consolidation, amalgamation, share exchange, business combination, issuance of securities, acquisition of securities, reorganization, recapitalization, tender offer, exchange offer or other similar transaction: (i) in which a Party is a constituent entity; (ii) in which a Person or “group” (as defined in the Exchange Act and the rules promulgated thereunder) of Persons directly or indirectly acquires beneficial or record ownership of securities representing more than 20% of the outstanding securities of any class of voting securities of a Party or any of its Subsidiaries; or (iii) in which a Party or any of its Subsidiaries issues securities representing more than 20% of the outstanding securities of any class of voting securities of such Party or any of its Subsidiaries; or

(ii) any sale, lease, exchange, transfer, license, acquisition or disposition of any business or businesses or assets that constitute or account for 20% or more of the consolidated book value or the fair market value of the assets of a Party and its Subsidiaries, taken as a whole.

“**Affiliate**” of a Person means any other Person that directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with, such Person. The term “control” (including the terms “controlled by” and “under common control with”) means the possession, directly or indirectly, of the power to direct or cause the direction of the management and policies of a Person, whether through the ownership of voting securities, by contract or otherwise.

“**Agreement**” means the Agreement and Plan of Merger and Reorganization to which this **Exhibit A** is attached, as it may be amended from time to time.

“**Business Day**” means any day other than a Saturday, Sunday or other day on which banks in New York, New York are authorized or obligated by Law to be closed.

“**Cash and Cash Equivalents**” means all (a) cash and cash equivalents (excluding Restricted Cash) and (b) marketable securities, in each case determined in accordance with GAAP, consistently applied.

“**CCC**” means the California Corporations Code, as amended.

“**Code**” means the Internal Revenue Code of 1986, as amended.

“**Combined Transaction Expenses**” means legal expenses incurred by the Company in preparing the Registration Statement, Proxy Statement, and any amendments and supplements thereto, preparing responses to any SEC comments, and drafting any charter amendments and the Amended Plan (and in each case, the related disclosure required in the Registration Statement and Proxy Statement) and preparing such other transaction documents in connection with the Contemplated Transaction as Cooley and Latham & Watkins agree shall be produced by Latham & Watkins, which amount shall not exceed \$250,000 in the aggregate, and in each case, shall be evidenced by an invoice delivered by the Company to Parent no later than seven Business Days prior to Closing.

“**Company Affiliate**” means any Person that is (or at any relevant time was) under common control with the Company within the meaning of Sections 414(b), (c), (m) and (o) of the Code, and the regulations issued thereunder.

“**Company Associate**” means any current or former employee, independent contractor, officer or director of the Company.

“**Company Board**” means the board of directors of the Company.

“**Company Capital Stock**” means the Company Common Stock and the Company Preferred Stock.

“**Company Cash Amount**” means the Cash and Cash Equivalents of the Company as of the Determination Date, as calculated in accordance with Section 1.13.

“**Company Change in Circumstance**” means a change in circumstances (other than an Acquisition Proposal) that affects the business, assets or operations of the Company that occurs or arises after the date of this Agreement.

“**Company Closing Tax Opinion**” means a written opinion from Latham & Watkins, dated as of the Closing Date, based on the facts, representations, assumptions and exclusions set forth or described in such opinion, and substantially in the form set forth in Section 5.10(c)(4) of the Company Disclosure Schedule, to the effect that the Merger will qualify for the Intended Tax Treatment. In rendering such opinion, Latham & Watkins shall be entitled to rely upon customary assumptions, representations, warranties and covenants reasonably satisfactory to it, including representations set forth in certificates of officers of Parent and the Company, in substantially the forms set forth in Section 5.10(c)(ii) of the Parent Disclosure Schedule and Section 5.10(c)(ii) of the Company Disclosure Schedule.

“**Company Common Stock**” means the Common Stock, \$0.0001 par value per share, of the Company.

“**Company Contract**” means any Contract: (a) to which the Company or any of its Subsidiaries is a Party; (b) by which the Company or any of its Subsidiaries or any Company IP or any other asset of the Company or its Subsidiaries is or may become bound or under which the Company or any of its Subsidiaries has, or may become subject to, any obligation; or (c) under which the Company or any of its Subsidiaries has or may acquire any right or interest.

“**Company ERISA Affiliate**” means any corporation or trade or business (whether or not incorporated) which is (or at any relevant time was) treated with the Company or any of its Subsidiaries as a single employer within the meaning of Section 414 of the Code.

“**Company Fundamental Representations**” means the representations and warranties of the Company set forth in Sections 2.1 (Due Organization; Subsidiaries), 2.3 (Authority; Binding Nature of Agreement), 2.6(a) and (c) (Capitalization) and 2.20 (No Financial Advisors).

“**Company IP**” means all Intellectual Property Rights that are owned or purported to be owned by, assigned to, or licensed by, the Company or its Subsidiaries.

“**Company Material Adverse Effect**” means any Effect that, considered together with all other Effects that have occurred prior to the date of determination of the occurrence of a Company Material Adverse Effect, has or would reasonably be expected to have a material adverse effect on the business, financial condition, assets, liabilities or results of operations of the Company or its Subsidiaries, taken as a whole; *provided, however*, that Effects arising or resulting from the following shall not be taken into account in determining whether there has been a Company Material Adverse Effect: (a) general business, economic or political conditions affecting the industry in which the Company and its Subsidiaries operate, (b) any natural disaster or any acts of war, armed hostilities or terrorism, (c) changes in financial, banking or securities markets, (d) the failure of the Company to meet internal or analysts’ expectations or projections or the results of operations of the Company, (e) any clinical trial programs or studies, including any adverse data, event or outcome arising out of or relating to any such programs or studies, (f) any change in, or any compliance with or action taken for the purpose of complying with, any Law or GAAP (or interpretations of any Law or GAAP), (g) resulting from the announcement of this Agreement or the pendency of the Contemplated Transactions, or (h) resulting from the taking of any action, or the failure to take any action, by the Company that is required to be taken by this Agreement; except in each case with respect to clauses (a) through (c), to the extent disproportionately affecting the Company and its Subsidiaries, taken as a whole, relative to other similarly situated companies in the industries in which the Company and its Subsidiaries operate.

“**Company Options**” means options or other rights to purchase shares of Company Common Stock issued by the Company.

“**Company Plans**” means the Oncternal Therapeutics, Inc. 2016 Equity Incentive Plan and the Oncternal Therapeutics, Inc. 2015 Equity Incentive Plan.

“**Company Registration Statement Tax Opinion**” means a written opinion from Latham & Watkins, dated as of such date as may be required by the SEC in connection with the filing of the Registration Statement, based on the facts, representations, assumptions and exclusions set forth or described in such opinion, and substantially in the form set forth in Section 5.10(c)(2) of the Company Disclosure Schedule, to the effect that the Merger will qualify for the Intended Tax Treatment. In rendering such opinion, Latham & Watkins shall be entitled to rely upon customary assumptions, representations, warranties and covenants reasonably satisfactory to it, including representations set forth in certificates of officers of Parent and the Company, in substantially the forms set forth in Section 5.10(c)(i) of the Parent Disclosure Schedule and Section 5.10(c)(i) of the Company Disclosure Schedule.

“**Company Target**” means \$10,500,000.

“**Company Transaction Expenses**” means all fees and expenses incurred by the Company at or prior to the Effective Time in connection with the Contemplated Transactions and this Agreement, including (a) any fees and expenses of legal counsel and accountants, the maximum amount of fees and expenses payable to financial advisors, investment bankers, brokers, consultants, and other advisors of the Company (other than the Combined Transaction Expenses); and (b) 50% of (i) the fees paid to the SEC in connection with filing the Registration Statement, the Proxy Statement, and any amendments and supplements thereto with the SEC; (ii) the Nasdaq Fees; (iii) the fees and expenses paid or payable to the

Exchange Agent pursuant to the engagement agreement with the Exchange Agent; and (iv) any fees and expenses incurred Toppan Merrill, Broadridge or the proxy solicitor in connection with the filing and distribution of the Registration Statement and any amendments and supplements thereto with the SEC (without duplication of the fees and expenses addressed in clause (b)(i) above).

“Company Triggering Event” shall be deemed to have occurred if: (a) the Company shall have made a Company Board Adverse Recommendation Change; (b) the Company Board or any committee thereof shall have publicly approved, endorsed or recommended any Acquisition Proposal; (c) the Company shall have entered into any letter of intent or similar document relating to any Acquisition Proposal; or (d) the Company, or any director or officer of the Company, shall have willfully and intentionally breached the provisions set forth in Section 4.5.

“Company Unaudited Interim Balance Sheet” means the unaudited consolidated balance sheet of the Company and its consolidated Subsidiaries for the period ended September 30, 2018 provided to Parent prior to the date of this Agreement.

“Company Warrant” means the warrants to purchase capital stock of the Company listed on Section B of the Company Disclosure Schedule.

“Confidentiality Agreement” means the Non-Disclosure Agreement, dated as of November 30, 2018, between the Company and Parent.

“Consent” means any approval, consent, ratification, permission, waiver or authorization (including any Governmental Authorization).

“Consideration” means (a) the Exchange Ratio used to determine the number of shares of Parent Common Stock to be issued to the holders of Company Common Stock as contemplated by Section 1.5 of this Agreement and the number of Parent Options and Parent Warrants to be substituted for the Company Options and Company Warrants to be assumed by Parent as contemplated by Section 5.5 and (b) the right of the holders of Parent Common Stock as of immediately prior to the Effective Time (the **“CVR Holders”**) to receive contingent cash payments pursuant to the CVR Agreement.

“Contemplated Transactions” means the Merger, the Preferred Stock Conversion and the other transactions and actions contemplated by this Agreement, including the Nasdaq Reverse Split and the CVR Agreement.

“Contract” means, with respect to any Person, any written or oral agreement, contract, subcontract, lease (whether for real or personal property), mortgage, license, sublicense or other legally binding commitment or undertaking of any nature to which such Person is a party or by which such Person or any of its assets are bound or affected under applicable Law.

“DGCL” means the General Corporation Law of the State of Delaware.

“Effect” means any effect, change, event, circumstance, or development.

“Encumbrance” means any lien, pledge, hypothecation, charge, mortgage, security interest, lease, license, option, easement, reservation, servitude, adverse title, claim, infringement, interference, option, right of first refusal, preemptive right, community property interest or restriction or encumbrance of any nature (including any restriction on the voting of any security, any restriction on the transfer of any security or other asset, any restriction on the receipt of any income derived from any asset,

any restriction on the use of any asset and any restriction on the possession, exercise or transfer of any other attribute of ownership of any asset).

“Enforceability Exceptions” means the (a) Laws of general application relating to bankruptcy, insolvency and the relief of debtors; and (b) rules of law governing specific performance, injunctive relief and other equitable remedies.

“Entity” means any corporation (including any non-profit corporation), partnership (including any general partnership, limited partnership or limited liability partnership), joint venture, estate, trust, company (including any company limited by shares, limited liability company or joint stock company), firm, society or other enterprise, association, organization or entity, and each of its successors.

“Environmental Law” means any federal, state, local or foreign Law relating to pollution or protection of human health or the environment (including ambient air, surface water, ground water, land surface or subsurface strata), including any Law or regulation relating to emissions, discharges, releases or threatened releases of Hazardous Materials, or otherwise relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials.

“ERISA” means the Employee Retirement Income Security Act of 1974, as amended.

“Exchange Act” means the Securities Exchange Act of 1934.

“Exchange Ratio” means, subject to [Section 1.5\(g\)](#), the following ratio (rounded to four decimal places): the quotient obtained by dividing (a) the Company Merger Shares by (b) the Company Outstanding Shares, in which:

- **“Company Cash Balance Adjustment Shares”** means (i) if the Company Cash Amount is less than the Company Target, then an amount equal to the quotient of (A) the Company Target, *less* the Company Cash Amount, *divided by* (B) 1.207, or (ii) if the Company Cash Amount is greater than the Company Target, then zero.
- **“Company Allocation Percentage”** means 75%.
- **“Company Merger Shares”** means the sum of (i) the product of (A) the Post-Closing Parent Shares *multiplied by* (B) the Company Allocation Percentage, *minus* (ii) the Company Cash Balance Adjustment Shares, *minus* (iii) the Parent Cash Balance Adjustment Shares if the Parent Cash Amount is greater than the Parent Target, *plus* (iv) the Parent Cash Balance Adjustment Shares if the Parent Cash Amount is less than the Parent Target.
- **“Company Outstanding Shares”** means the total number of shares of Company Capital Stock outstanding immediately prior to the Effective Time expressed on an as-converted to Company Common Stock basis and assuming the effectiveness of the Preferred Stock Conversion, but excluding (i) the exercise of all Company Options and Company Warrants, in each case, outstanding as of immediately prior to the Effective Time, (ii) the issuance of shares of Company Capital Stock in respect of all other outstanding options, restricted stock awards, warrants or rights to receive such shares, whether conditional or unconditional and including any outstanding options, warrants or rights triggered by or associated with the consummation of the Merger, and (iii) any shares of Company Common Stock reserved for issuance.

- “**Parent Allocation Percentage**” means 25%.
- “**Parent Cash Balance Adjustment Shares**” means (i) if the Parent Cash Amount is less than the Parent Target, then an amount equal to the quotient of (A) the Parent Target, *less* the Parent Cash Amount, *divided by* (B) 1.207, or (ii) if the Parent Cash Amount is greater than the Parent Target, an amount equal to the quotient of (A) the Parent Cash Amount, *less* the Parent Target, *divided by* (B) 1.207.
- “**Parent Outstanding Shares**” means the total number of shares of Parent Common Stock outstanding immediately prior to the Effective Time, including the total number of shares of Parent Common Stock issuable pursuant to Parent Deferred Stock Rights but excluding (i) the issuance of shares of Parent Common Stock in respect of all Parent Options, Parent Warrants and other outstanding options, warrants or rights to receive such shares (other than the Parent Deferred Stock Rights), in each case, outstanding as of immediately prior to the Effective Time; and (ii) any shares of Parent Common Stock reserved for issuance (other than shares of Parent Common Stock reserved for issuance pursuant to the Parent Deferred Stock Rights).
- “**Post-Closing Parent Shares**” means the quotient determined by *dividing* (i) the Parent Outstanding Shares *by* (ii) the Parent Allocation Percentage.

“**GAAP**” means generally accepted accounting principles and practices in effect from time to time within the United States applied consistently throughout the period involved.

“**Governmental Authorization**” means any: (a) permit, license, certificate, certification, franchise, permission, approval, exemption, variance, exception, order, clearance, registration, qualification or authorization issued, granted, given or otherwise made available by or under the authority of any Governmental Body or pursuant to any Law; or (b) right under any Contract with any Governmental Body.

“**Governmental Body**” means any: (a) nation, state, commonwealth, province, territory, county, municipality, district or other jurisdiction of any nature; (b) federal, state, local, municipal, foreign or other government; (c) governmental or quasi-governmental authority of any nature (including any governmental division, department, agency, commission, bureau, instrumentality, official, ministry, fund, foundation, center, organization, unit, body or Entity and any court or other tribunal, and for the avoidance of doubt, any taxing authority); or (d) self-regulatory organization (including Nasdaq).

“**Hazardous Materials**” means any pollutant, chemical, substance and any toxic, infectious, carcinogenic, reactive, corrosive, ignitable or flammable chemical, or chemical compound, or hazardous substance, material or waste, whether solid, liquid or gas, that is subject to regulation, control or remediation under any Environmental Law, including without limitation, crude oil or any fraction thereof, and petroleum products or by-products.

“**HSR Act**” means the Hart-Scott-Rodino Antitrust Improvements Act of 1976, as amended.

“**Intellectual Property Rights**” means and includes all past, present, and future rights of the following types, which may exist or be created under the laws of any jurisdiction in the world: (a) rights associated with works of authorship, including exclusive exploitation rights, copyrights, moral rights, software, databases, and mask works; (b) trademarks, service marks, trade dress, logos, trade names and other source identifiers, domain names and URLs and similar rights and any goodwill associated therewith; (c) rights associated with trade secrets, know how, inventions, invention disclosures, methods, processes,

protocols, specifications, techniques and other forms of technology; (d) patents and industrial property rights; and (e) other similar proprietary rights in intellectual property of every kind and nature; (f) rights of privacy and publicity; and (g) all registrations, renewals, extensions, statutory invention registrations, provisionals, continuations, continuations-in-part, provisionals, divisions, or reissues of, and applications for, any of the rights referred to in clauses “(a)” through “(f)” above (whether or not in tangible form and including all tangible embodiments of any of the foregoing, such as samples, studies and summaries), along with all rights to prosecute and perfect the same through administrative prosecution, registration, recordation or other administrative proceeding, and all causes of action and rights to sue or seek other remedies arising from or relating to the foregoing.

“**IRS**” means the United States Internal Revenue Service.

“**Knowledge**” means, with respect to an individual, that such individual is actually aware of the relevant fact or such individual would reasonably be expected to know such fact in the ordinary course of the performance of such individual’s employment responsibilities. Any Person that is an Entity shall have Knowledge if any officer or director of such Person as of the date such knowledge is imputed has Knowledge of such fact or other matter.

“**Law**” means any federal, state, national, foreign, material local or municipal or other law, statute, constitution, principle of common law, resolution, ordinance, code, edict, decree, rule, regulation, ruling or requirement issued, enacted, adopted, promulgated, implemented or otherwise put into effect by or under the authority of any Governmental Body (including under the authority of Nasdaq or the Financial Industry Regulatory Authority).

“**Legal Proceeding**” means any action, suit, litigation, arbitration, proceeding (including any civil, criminal, administrative, investigative or appellate proceeding), hearing, inquiry, audit, examination or investigation commenced, brought, conducted or heard by or before, or otherwise involving, any court or other Governmental Body or any arbitrator or arbitration panel.

“**Merger Sub Board**” means the board of directors of Merger Sub.

“**Nasdaq**” means the Nasdaq Stock Market, including the Nasdaq Global Select Market or such other Nasdaq market on which shares of Parent Common Stock are then listed.

“**Nasdaq Reverse Split**” means a reverse stock split of all outstanding shares of Parent Common Stock at a reverse stock split ratio as mutually agreed to by Parent and the Company that is effected by Parent for the purpose of maintaining compliance with Nasdaq listing standards.

“**Ordinary Course of Business**” means, in the case of each of the Company and Parent, such actions taken in the ordinary course of its normal operations and consistent with its past practices.

“**Organizational Documents**” means, with respect to any Person (other than an individual), (a) the certificate or articles of association or incorporation or organization or limited partnership or limited liability company, and any joint venture, limited liability company, operating or partnership agreement and other similar documents adopted or filed in connection with the creation, formation or organization of such Person and (b) all bylaws, regulations and similar documents or agreements relating to the organization or governance of such Person, in each case, as amended or supplemented.

“**Parent Associate**” means any current or former employee, independent contractor, officer or director of Parent.

“**Parent Balance Sheet**” means the unaudited balance sheet of Parent as of September 30, 2018 (the “**Parent Balance Sheet Date**”), included in Parent’s Report on Form 10-Q for the quarterly period ended September 30, 2018, as filed with the SEC.

“**Parent Board**” means the board of directors of Parent.

“**Parent Cash Amount**” (i) the sum of all Cash and Cash Equivalents, short-term investments, accrued investment interest receivable, and any prepaid refundable deposits listed on Section 1.12(a) of the Parent Disclosure Schedule, in each case, of Parent as of the Determination Date, calculated in accordance with Section 1.12, less (ii) all liabilities of Parent to any current or former Parent officer, director, employee, consultant or independent contractor, including change of control payments, retention payments, severance and other employee-, consultant- or independent contractor-related termination costs, or other payments triggered by the Contemplated Transactions or pursuant to any Parent Benefit Plan, including but not limited to payments of deferred compensation, accrued but unpaid bonuses and accrued but unpaid vacation or paid time off (including related employer employment taxes on all the foregoing), regardless of whether or not such amounts are accrued or due as of the Determination Date and regardless of when paid or payable and regardless of whether such amounts will be paid or are payable as a result of actions taken at, or immediately prior to or after the Effective Time, less (iii) the Parent Transaction Expenses, plus (iv) any cash payable to Parent upon the closing of any SARM Transaction (“**SARM Upfront Cash**”) that has been reduced to an executed letter of intent prior to Closing; provided such letter of intent shall require the Company’s consent (which consent shall not be unreasonably withheld, delayed or conditioned); and, for the avoidance of doubt, the closing of the SARM Transaction shall not be required to occur prior to the Closing and any SARM Upfront Cash shall not be subject to any payment pursuant to the CVR (but for the avoidance of doubt, any payments in respect of such SARM Transaction other than the SARM Upfront Cash will be handled pursuant to the CVR).

“**Parent Change in Circumstance**” means a change in circumstances (other than an Acquisition Proposal) that affects the business, assets or operations of Parent that occurs or arises after the date of this Agreement.

“**Parent Closing Price**” means the volume weighted average closing trading price of a share of Parent Common Stock on Nasdaq for the five consecutive trading days ending five trading days immediately prior to the date upon which the Merger becomes effective.

“**Parent Closing Tax Opinion**” means a written opinion from Cooley, dated as of the Closing Date, based on the facts, representations, assumptions and exclusions set forth or described in such opinion, and substantially in the form set forth in Section 5.10(c)(3) of the Parent Disclosure Schedule, to the effect that the Merger will qualify for the Intended Tax Treatment. In rendering such opinion, Cooley shall be entitled to rely upon customary assumptions, representations, warranties and covenants reasonably satisfactory to it, including representations set forth in certificates of officers of Parent and the Company, in substantially the forms set forth in Section 5.10(c)(ii) of the Parent Disclosure Schedule and Section 5.10(c)(ii) of the Company Disclosure Schedule.

“**Parent Common Stock**” means the Common Stock, \$0.01 par value per share, of Parent.

“**Parent Contract**” means any Contract: (a) to which Parent or Merger Sub is a party; (b) by which Parent, Merger Sub or any Parent IP or any other asset of Parent or Merger Sub is or may become bound or under which Parent or Merger Sub has, or may become subject to, any obligation; or (c) under which Parent or Merger Sub has or may acquire any right or interest.

“Parent Deferred Stock Right” means any deferred stock rights or other deferred rights to receive shares of Parent Common Stock under the Parent Stock Plans.

“Parent ERISA Affiliate” means any corporation or trade or business (whether or not incorporated) which is (or at any relevant time was) treated with Parent or any of its Subsidiaries as a single employer within the meaning of Section 414 of the Code.

“Parent Fully-Diluted Shares” means the total number of shares of Parent Common Stock outstanding immediately prior to the Effective Time expressed on a fully-diluted basis, assuming the issuance of Parent Common Stock in respect of all Parent Options, Parent Warrants, Parent Deferred Stock Rights, and other outstanding options, warrants or rights to receive such shares, in each case, outstanding as of immediately prior to the Effective Time.

“Parent Fundamental Representations” means the representations and warranties of Parent and Merger Sub set forth in Sections 3.1(a) and (b) (Due Organization; Subsidiaries), 3.3 (Authority; Binding Nature of Agreement), 3.4 (Vote Required), 3.6(a) and (c) (Capitalization) and 3.21 (No Financial Advisors).

“Parent IP” means all Intellectual Property Rights that are owned or purported to be owned by, assigned to, or licensed by, Parent or its Subsidiaries.

“Parent Material Adverse Effect” means any Effect that, considered together with all other Effects that have occurred prior to the date of determination of the occurrence of a Parent Material Adverse Effect, has or would reasonably be expected to have a material adverse effect on the business, financial condition, assets, liabilities or results of operations of Parent; *provided, however*, that Effects arising or resulting from the following shall not be taken into account in determining whether there has been a Parent Material Adverse Effect: (a) general business, economic or political conditions affecting the industry in which Parent operates, (b) any natural disaster or any acts of war, armed hostilities or terrorism, (c) changes in financial, banking or securities markets, (d) the taking of any action required to be taken by this Agreement, (e) any change in the stock price or trading volume of Parent Common Stock (it being understood, however, that any Effect causing or contributing to any change in stock price or trading volume of Parent Common Stock may be taken into account in determining whether a Parent Material Adverse Effect has occurred, unless such Effects are otherwise excepted from this definition), (f) the failure of Parent to meet internal or analysts’ expectations or projections or the results of operations of Parent; (g) any clinical trial programs or studies, including any adverse data, event or outcome arising out of or related to any such programs or studies; (h) any change in, or any compliance with or action taken for the purpose of complying with, any Law or GAAP (or interpretations of any Law or GAAP); (i) resulting from the announcement of this Agreement or the pendency of the Contemplated Transactions; or (j) resulting from the taking of any action or the failure to take any action, by Parent that is required to be taken by this Agreement, except in each case with respect to clauses (a) through (c), to the extent disproportionately affecting Parent relative to other similarly situated companies in the industries in which Parent operates.

“Parent Options” means options or other rights to purchase shares of Parent Common Stock issued by Parent.

“Parent Registration Statement Tax Opinion” means a written opinion from Cooley, dated as of such date as may be required by the SEC in connection with the filing of the Registration Statement, based on the facts, representations, assumptions and exclusions set forth or described in such opinion, and substantially in the form set forth in Section 5.10(c)(1) of the Parent Disclosure Schedule, to the effect that the Merger will qualify for the Intended Tax Treatment. In rendering such opinion, Cooley shall be entitled to rely upon customary assumptions, representations, warranties and covenants reasonably

satisfactory to it, including representations set forth in certificates of officers of Parent and the Company, in substantially the forms set forth in Section 5.10(c)(i) of the Parent Disclosure Schedule and Section 5.10(c)(i) of the Company Disclosure Schedule.

“Parent Stock Plans” means, the Parent 2001 Stock Option Plan, the Parent 2002 Stock Option Plan, the Parent 2004 Equity Incentive Plan, the Parent Amended and Restated 2004 Non-Employee Directors’ Stock Option Plan, the Parent 2013 Equity Incentive Plan, the Parent 2013 Non-Employee Director Equity Incentive Plan, 2018 Amended and Restated Directors’ Deferred Compensation Plan, in each case, as may be amended from time to time.

“Parent Target” means \$13,500,000 if the Closing occurs on or prior to April 30, 2019 (provided, that if any fees and expenses are incurred by Parent in connection with preparing its Quarterly Report on Form 10-Q for the first quarter of 2019 on or prior to April 30, 2019, such amounts will be added back to the Parent Cash Amount), less Parent’s reasonable operating expenses from May 1, 2019 through the Closing.

“Parent Transaction Expenses” means all fees and expenses incurred by Parent at or prior to the Effective Time in connection with the Contemplated Transactions and this Agreement, including (a) any fees and expenses of legal counsel and accountants, the maximum amount of fees and expenses payable to financial advisors, investment bankers, brokers, consultants, and other advisors of Parent; (b) 50% of (i) the fees paid to the SEC in connection with filing the Registration Statement, the Proxy Statement, and any amendments and supplements thereto with the SEC; (ii) the Nasdaq Fees; (iii) the fees and expenses paid or payable to the Exchange Agent pursuant to the engagement agreement with the Exchange Agent; and (iv) any fees and expenses incurred by Toppan Merrill, Broadridge or the proxy solicitor in connection with the filing and distribution of the Registration Statement and any amendments and supplements thereto with the SEC (without duplication of the fees and expenses addressed in clause (b)(i) above); (c) 100% of the Combined Transaction Expenses; and (d) 100% of the D&O Tail Policy.

“Parent Triggering Event” shall be deemed to have occurred if: (a) Parent shall have failed to include in the Proxy Statement the Parent Board Recommendation or shall have made a Parent Board Adverse Recommendation Change; (b) the Parent Board or any committee thereof shall have publicly approved, endorsed or recommended any Acquisition Proposal; or (c) Parent shall have entered into any letter of intent or similar document relating to any Acquisition Proposal (other than a confidentiality agreement permitted pursuant to Section 4.4); or (d) Parent, or any director or officer of Parent, shall have willfully and intentionally breached the provisions set forth in Section 4.4.

“Parent Warrants” means the warrants to purchase capital stock of the Parent listed on Section B of the Parent Disclosure Schedule.

“Party” or **“Parties”** means the Company, Merger Sub and Parent.

“Permitted Alternative Agreement” means a definitive agreement that contemplates or otherwise relates to an Acquisition Transaction that constitutes a Superior Offer.

“Permitted Encumbrance” means: (a) any liens for current Taxes not yet due and payable or for Taxes that are being contested in good faith and for which adequate reserves have been made on the Company Unaudited Interim Balance Sheet or the Parent Balance Sheet, as applicable; (b) minor liens that have arisen in the Ordinary Course of Business and that do not (in any case or in the aggregate) materially detract from the value of the assets or properties subject thereto or materially impair the operations of the Company or any of its Subsidiaries or Parent, as applicable; (c) statutory liens to secure obligations to landlords, lessors or renters under leases or rental agreements; (d) deposits or pledges made in connection

with, or to secure payment of, workers' compensation, unemployment insurance or similar programs mandated by Law; (e) non-exclusive licenses of Intellectual Property Rights granted by the Company or any of its Subsidiaries or Parent, as applicable, in the Ordinary Course of Business and that do not (in any case or in the aggregate) materially detract from the value of the Intellectual Property Rights subject thereto; and (f) statutory liens in favor of carriers, warehousemen, mechanics and materialmen, to secure claims for labor, materials or supplies.

"Person" means any individual, Entity or Governmental Body.

"Proxy Statement" means the proxy statement to be sent to Parent's stockholders in connection with the Parent Stockholders' Meeting.

"Reference Date" means March 5, 2019.

"Registered IP" means all Intellectual Property Rights that are registered or issued under the authority of any Governmental Body, including all patents, registered copyrights, registered mask works, and registered trademarks, service marks and trade dress, and all applications for any of the foregoing.

"Registration Statement" means the registration statement on Form S-4 (or any other applicable form under the Securities Act to register Parent Common Stock) to be filed with the SEC by Parent registering the public offering and sale of Parent Common Stock to some or all holders of Company Capital Stock in the Merger, including all shares of Parent Common Stock to be issued in exchange for all shares of Company Capital Stock in the Merger, as said registration statement may be amended prior to the time it is declared effective by the SEC.

"Representatives" means directors, officers, employees, agents, attorneys, accountants, investment bankers, advisors and representatives.

"Restricted Cash" means any cash or cash equivalents that are unavailable for dividend or distribution as a result of the requirements of applicable Law or the dividend or distribution of which is subject to Tax, including any withholding or other similar Tax, or the dividend or distribution of which would produce other adverse Tax consequences for Parent or its Affiliates.

"Sarbanes-Oxley Act" means the Sarbanes-Oxley Act of 2002.

"SARM Transaction" means a sale of Parent's SARM assets.

"SEC" means the United States Securities and Exchange Commission.

"Securities Act" means the Securities Act of 1933, as amended.

"Series A Preferred Stock" means the shares of the Series A Preferred Stock of the Company, par value \$0.0001 per share.

"Series B Preferred Stock" means the shares of the Series B Preferred Stock of the Company, par value \$0.0001 per share.

"Series B-2 Preferred Stock" means the shares of the Series B-2 Preferred Stock of the Company, par value \$0.0001 per share.

“**Series C Preferred Stock**” means the shares of the Series C Preferred Stock of the Company, par value \$0.0001 per share.

“**Subsequent Transaction**” means any Acquisition Transaction (with all references to 20% in the definition of Acquisition Transaction being treated as references to 85% for these purposes).

An entity shall be deemed to be a “**Subsidiary**” of a Person if such Person directly or indirectly owns or purports to own, beneficially or of record, (a) an amount of voting securities or other interests in such entity that is sufficient to enable such Person to elect at least a majority of the members of such entity’s board of directors or other governing body, or (b) at least 50% of the outstanding equity, voting, beneficial or financial interests in such Entity.

“**Superior Offer**” means an unsolicited bona fide written Acquisition Proposal (with all references to 20% in the definition of Acquisition Transaction being treated as references to greater than 80% for these purposes) that: (a) was not obtained or made as a direct or indirect result of a breach of (or in violation of) this Agreement; and (b) is on terms and conditions that the Parent Board or the Company Board, as applicable, determines in good faith, based on such matters that it deems relevant (including the likelihood of consummation thereof), as well as any written offer by the other Party to this Agreement to amend the terms of this Agreement, and following consultation with its outside legal counsel and outside financial advisors, if any, are more favorable, from a financial point of view, to Parent’s stockholders or the Company’s stockholders, as applicable, than the terms of the Contemplated Transactions; *provided*, that any such offer shall not be deemed to be a “Superior Offer” if any financing required to consummate the transaction contemplated by such offer is not reasonably capable of being obtained by such third party.

“**Takeover Statute**” means any “fair price,” “moratorium,” “control share acquisition” or other similar anti-takeover Law.

“**Tax**” means any federal, state, local, foreign or other tax, including any income, capital gain, gross receipts, capital stock, profits, transfer, estimated, registration, stamp, premium, escheat, unclaimed property, customs duty, ad valorem, occupancy, occupation, alternative, add-on, windfall profits, value added, severance, property, business, production, sales, use, license, excise, franchise, employment, payroll, social security, disability, unemployment, workers’ compensation, national health insurance, withholding or other taxes, duties, fees, assessments or governmental charges, surtaxes or deficiencies thereof of any kind whatsoever, however denominated, and including any fine, penalty, addition to tax or interest imposed by a Governmental Body with respect thereto.

“**Tax Return**” means any return (including any information return), report, statement, declaration, estimate, schedule, notice, notification, form, election, certificate or other document, and any amendment or supplement to any of the foregoing, filed with or submitted to, or required to be filed with or submitted to, any Governmental Body in connection with the determination, assessment, collection or payment of any Tax or in connection with the administration, implementation or enforcement of or compliance with any Law relating to any Tax.

“**Treasury Regulations**” means the United States Treasury regulations promulgated under the Code.

“**WARN Act**” means the Worker Adjustment Retraining and Notification Act of 1988, as amended, or any similar state or local plant closing mass layoff statute, rule or regulation.

- b) Each of the following terms is defined in the Section set forth opposite such term:

Term	Section
Accounting Firm	1.12(e)
Allocation Certificate	5.17(a)
Amended Plan	5.20
Anti-Bribery Laws	2.23
Anticipated Closing Date	1.12(a)
Board Observer	5.12(c)
Business Associate Agreement	2.14(f)
Certificate of Merger	1.3
Certifications	3.7(a)
Closing	1.3
Closing Date	1.3
Cooley	5.10(c)
Company	Preamble
Company Audited Financial Statements	5.17
Company Benefit Plan	2.17(a)
Company Board Adverse Recommendation Change	5.2(d)
Company Board Recommendation	5.2(d)
Company Cash Calculation	1.13(a)
Company Cash Schedule	1.13(a)
Company Disclosure Schedule	Section 2
Company Financials	2.7(a)
Company In-bound Licenses	2.12(d)
Company Interim Financial Statements	5.17
Company Lock-Up Agreement	Recitals
Company Material Contract	2.13(a)
Company Out-bound Licenses	2.12(d)
Company Permits	2.14(b)
Company Plan	2.6(c)
Company Preferred Stock	2.6(a)
Company Real Estate Leases	2.11
Company Signatories	Recitals
Company Stock Certificate	1.7
Company Stockholder Matters	5.2(a)
Company Stockholder Support Agreement	Recitals
Company Stockholder Written Consent	2.4
Costs	5.6(a)
CVR	1.6
CVR Agreement	Recitals
D&O Indemnified Parties	5.6(a)
D&O Tail Policy	5.6(d)
Determination Date	1.12(a)
Determination Notice	5.3(d)(i)
Dispute Notice	1.12(b)
Dissenting Shares	1.9(a)
Drug Regulatory Agency	2.14(a)
Effective Time	1.3
End Date	9.1(b)
Exchange Agent	1.8(a)
Exchange Fund	1.8(a)

Term	Section
FDA	2.14(a)
FDCA	2.14(a)
FLSA	2.17(p)
HIPAA	2.14(f)
Information Statement	5.2(a)
Intended Tax Treatment	5.10(a)
Investor Agreements	2.22(b)
Latham	5.10(c)
Liability	2.9
Merger	Recitals
Merger Consideration	1.5(a)(ii)
Merger Notification Filings	5.4(b)
Merger Sub	Preamble
Nasdaq Fees	5.9
Nasdaq Listing Application	5.9
Other Parent Stockholder Matter	5.3(a)(v)
Parent	Preamble
Parent Benefit Plan	3.17(a)
Parent Board Adverse Recommendation Change	5.3(c)
Parent Board Recommendation	5.3(c)
Parent Budget	4.1(b)(v)
Parent Cash Calculation	1.12(a)
Parent Cash Schedule	1.12(a)
Parent Designees	5.12
Parent Disclosure Schedule	Section 3
Parent In-bound License	3.12(d)
Parent Lock-Up Agreement	Recitals
Parent Material Contract	3.13
Parent Out-bound License	3.12(d)
Parent Permits	3.14(b)
Parent Real Estate Leases	3.11
Parent SEC Documents	3.7(a)
Parent Signatories	Recitals
Parent Stockholder Matters	5.3(a)(iv)
Parent Stockholder Support Agreement	Recitals
Parent Stockholders' Meeting	5.3(a)(iv)
Pre-Closing Period	4.1(a)
Preferred Stock Conversion	5.21
Required Company Stockholder Vote	2.4
Required Parent Stockholder Vote	3.4
Response Date	1.12(b)
Sensitive Data	2.12(g)
Stockholder Notice	5.2(c)
Surviving Corporation	1.1

Exhibit C

Officers

<u>Name</u>	<u>Title</u>
James Breitmeyer	President and Chief Executive Officer
Richard Vincent	Chief Financial Officer
Lauren Otsuki	Chief Operating Officer

Board Designees — Company

<u>Name</u>
David Hale
James Breitmeyer
Yanjun Liu
Xin Nakanishi

Board Designees — Parent

<u>Name</u>
Michael Carter, who shall be placed in the same class of Parent’s current directors elected at Parent’s 2019 annual meeting
Robert Wills

Additional Directors

Charles Theuer
William LaRue
Director to be designated by the Company

Board Observer — Parent

<u>Name</u>
J.R. Hyde, III (or his designee)

CONTINGENT VALUE RIGHTS AGREEMENT

This CONTINGENT VALUE RIGHTS AGREEMENT (this “**Agreement**”), dated as of [·], 2019 (the “**Effective Date**”), is entered into by and between GTx, Inc., a Delaware corporation (“**Parent**”), Marc S. Hanover, as representative of the Holders (the “**Holders’ Representative**”), and Computershare Inc., as Rights Agent.

RECITALS

WHEREAS, Parent, Grizzly Merger Sub, Inc., a Delaware corporation (“**Sub**”), and Oncernal Therapeutics, Inc., a Delaware corporation (the “**Company**”), have entered into an Agreement and Plan of Merger and Reorganization, dated as of March 6, 2019 (as it may be amended or supplemented from time to time pursuant to the terms thereof, the “**Merger Agreement**”), pursuant to which Sub will merge with and into the Company, with the Company surviving the Merger as a subsidiary of Parent; and

WHEREAS, pursuant to the Merger Agreement, Parent has agreed to provide to the holders of record of Parent’s common stock, par value \$0.01 per share (“**Parent Common Stock**”), including Parent Common Stock subject to any Parent Deferred Stock Right, immediately prior to the Effective Time the right to receive contingent cash payments as hereinafter described;

NOW, THEREFORE, in consideration of the foregoing and the consummation of the transactions referred to above, Parent and Rights Agent agree, for the equal and proportionate benefit of all Holders (as hereinafter defined), as follows:

1. DEFINITIONS; CERTAIN RULES OF CONSTRUCTION.

Capitalized terms used but not otherwise defined herein will have the meanings ascribed to them in the Merger Agreement. As used in this Agreement, the following terms will have the following meanings:

1.1 “**Acquiror**” and “**Acquisition**” have the respective meanings set forth in Section 7.3(a).

1.2 “**Acting Holders**” means, at the time of determination, Holders of at least a majority of the outstanding CVRs.

1.3 “**Affiliate**” means, with respect to any Person, any other Person that directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with, such Person. The term “control” (including the terms “controlled by” and “under common control with”) means the possession, directly or indirectly, of more than fifty percent (50%) of the voting securities entitled to vote for directors (or similar officials) of a Person or the possession, by contract or otherwise, of the authority to direct the management and policies of a Person.

1.4 “**Assignee**” has the meaning set forth in Section 7.3(a).

1.5 “**Board of Directors**” means the board of directors of Parent.

1.6 “**Board Resolution**” means a copy of a resolution certified by the secretary or an assistant secretary of Parent to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification, and delivered to the Rights Agent.

1.7 “**Business Day**” means any day other than a Saturday, Sunday or other day on which banks in New York, New York are authorized or obligated by Law to be closed.

1.8 “**Commercially Reasonable Efforts**” means an aggregate measure of effort and resources of a Party consistent with the exercise of prudent scientific and business judgment under similar circumstances and, with respect to the development, commercialization or manufacture of one or more of the SARD Products or the divestment of the SARM Technology and SARM Products, the application of effort, resources and practices consistent with those applied in the exercise of prudent scientific and business judgment by a pharmaceutical company of similar size and resources to the development, commercialization, manufacture or divestment of a similar pharmaceutical product or technology at a similar stage of development or commercialization and having profit potential and strategic value comparable to that of such SARD Product, SARM Technology or SARM Product, taking into account commercial, legal and regulatory factors, such as efficacy, safety, patent and regulatory exclusivity, anticipated or approved labeling, present and future market potential, competitive products and market conditions, pricing and reimbursement considerations, costs for development and costs for obtaining, prosecuting, maintaining and licensing relevant Intellectual Property Rights, all based on conditions then prevailing. Commercially Reasonable Efforts will not mean that a Party guarantees that it will actually accomplish the applicable task or objective or complete any particular phases of development within any particular time horizons but will use commercially reasonable efforts to do so. For the avoidance of doubt, the use of Commercially Reasonable Efforts may, under certain circumstances, be consistent with the termination of the development, manufacture and/or commercialization of any or all SARD Compounds and SARD Products.

1.9 “**Cumulative Adjusted Net Sales**” means, with respect to any SARD Product or SARM Product at any time point, the aggregate of all Net Sales for such SARD Product or SARM Product as of such time point *minus* (a) all royalties incurred to UTRF as of such time point under, as applicable, (i) the UTRF SARD License Agreement on account of sales of such SARD Product or (ii) the UTRF SARM License Agreement on account of sales of such SARM Product and *minus* (b) all fees, milestones, royalties and other payments incurred by Parent and its Affiliates to any other Third Party licensor in consideration for a license to such Third Party’s patents that would be infringed, absent such license, by the manufacture, use, sale or import of such SARD Product or SARM Product.

1.10 “**CVRs**” means the rights of Holders to receive contingent cash payments pursuant to the Merger Agreement and this Agreement.

1.11 “**CVR Payment**” has the meaning set forth in Section 2.4(g).

1.12 “CVR Payment Period” means a period of two (2) consecutive calendar quarters consisting of either the first two (2) calendar quarters in a calendar year or the last two (2) calendar quarters in a calendar year; provided, however, that the first CVR Payment Period shall commence on the Effective Date and the last CVR Payment Period shall end on the last day of the CVR Term.

1.13 “CVR Payment Statement” means, for a given CVR Payment Period during the CVR Term, a written statement of Parent, setting forth in reasonable detail, on a SARD Deal, SARM Deal, SARD Product and SARM Product basis, (a) Net Proceeds and/or Net Sales Proceeds, as applicable, for such CVR Payment Period; (b) a delineation of the Gross Consideration received in such CVR Payment Period, including, if applicable, an allocation of all consideration received between, on the one hand, SARD Technology, SARD Products, SARM Technology or SARD Products, as applicable, and on the other hand, all other technology, products or assets involved in the applicable SARD Deal or SARM Deal, (c) the Net Sales for such CVR Payment Period, (d) a delineation and calculation of the Permitted Deductions applicable to such CVR Payment Period, and (e) to the extent that any Gross Consideration, Permitted Deduction or item included in the calculation of Net Sales is recorded in any currency other than United States dollars during such CVR Payment Period, the exchange rates used for conversion of such currency into United States dollars.

1.14 “CVR Register” has the meaning set forth in Section 2.3(b).

1.15 “CVR Shortfall” has the meaning set forth in Section 4.7(b).

1.16 “CVR Term” means the period beginning on the Closing and ending fifteen (15) years thereafter.

1.17 “Development Costs” means, with respect to the SARD Technology, SARD Compounds or SARD Products, or the SARM Technology, SARM Compounds, or SARM Products, the direct costs and expenses incurred by Parent and its Affiliates, without markup, to conduct development or regulatory activities for SARD Products or SARM Products, respectively, during the CVR Term, including, but not limited to, for (a) the manufacture of SARD Products or supplies other than those manufactured for commercialization purposes, (b) consulting fees or salary and other cash compensation incurred with respect to any FTE engaged in the conduct of such development or regulatory activities, on a prorated basis, (c) pre-clinical studies, clinical trials (including clinical studies performed in connection with efforts to obtain pediatric exclusivity), chemistry, quality control, and regulatory activities, and (d) contract research organizations to perform any of the foregoing services, in each case (a)-(d), for the SARD Product or SARM Product that is the subject of such SARD Deal or SARM Deal, respectively, *but excluding* overhead, travel expenses, capital expenditures, Phase 4 clinical trials that are not required by a regulatory authority for approval or needed to seek pediatric exclusivity (whether conducted before or after approval) and amounts incurred for commercialization activities in relation to any SARD Product or SARM Product, respectively.

1.18 “Development Cost Repayment Date” means, with respect to any SARD Product or SARM Product, the date on which five percent (5%) of the Cumulative Adjusted Net

Sales for such SARD Product or SARM Product first equals fifty percent (50%) of the cumulative Development Costs for such SARD Product or SARM Product.

1.19 “Development Plan” means the development plan for SARD Compounds that is prepared in accordance with Section 4.2.

1.20 “DTC” means The Depository Trust Company or any successor thereto.

1.21 “Excluded SARM Consideration” means any cash (a) payable to Parent upon the closing of any SARM Deal that has been reduced to an executed letter of intent prior to Closing and (b) that is included in the Parent Cash Amount under the Merger Agreement.

1.22 “FTE” means the equivalent of a full-time employee or consultant of Parent or its Affiliate conducting development, manufacturing, quality or regulatory activities with respect to the applicable SARD Technology or SARM Technology. In the case that any individual works partially on such activities and partially on other work in a given year, then the full-time equivalent to be attributed to such individual’s work hereunder shall be equal to the percentage of such individual’s total work time in such year that such individual spent working on such SARD Technology or SARM Technology activities. In no event shall (a) any one individual be counted as more than one (1) FTE or (b) indirect personnel (including support functions such as managerial, financial, legal or business development) constitute FTEs. Notwithstanding the foregoing, any individual who performs development, manufacturing, quality or regulatory activities in addition to managerial activities will be considered to be an FTE only for that portion of his or her time spent engaging in development, manufacturing, quality or regulatory activities.

1.23 “Governmental Entity” means any foreign or domestic arbitrator, court, nation, government, any state or other political subdivision thereof and an entity exercising executive, legislative, judicial regulatory or administrative functions of, or pertaining to, government.

1.24 “Gross Consideration” means the sum of (a) all cash consideration paid to Parent or its Affiliates during the CVR Term in connection with any SARD Deal or SARM Deal (including with respect to any purchase of equity securities of Parent or its Affiliates in connection with a SARD Deal or SARM Deal, the portion of consideration paid to Parent or its Affiliates that exceeds the fair market value of such equity securities at the time of purchase), but excluding any Excluded SARM Consideration, *plus* (b) with respect to non-cash consideration received by Parent or its Affiliates during the CVR Term in connection with any SARD Deal or SARM Deal, all amounts received by Parent and its Affiliates for such non-cash consideration at the time such non-cash consideration is monetized by the Parent or its Affiliates (which amounts will be subject to payment to the Rights Agent when such non-cash consideration is monetized and such amounts are received by Parent or any of its Affiliates). If a SARD Deal involves assets that are not related to SARD Technology or SARD Products but are related to other proprietary technology, products or assets of Parent or its Affiliates, or if a SARM Deal involves assets that are not related to SARM Technology or SARM Products but are related to other proprietary technology, products or assets of Parent or its Affiliates, then the total consideration will be allocated between all such technology, products and assets, and only that consideration

allocated to the SARD Technology, SARD Products, SARM Technology and SARM Products will be included in Gross Consideration.

1.25 “GTx Board Members” means Robert J. Wills, Ph.D. and Michael G. Carter, M.D., collectively; provided, however, that if either such Person is replaced on the Board of Directors, then such replacement Person shall be deemed a GTx Board Member in lieu of such replaced Person.

1.26 “Holder” means a Person in whose name a CVR is registered in the CVR Register at the applicable time.

1.27 “Holders’ Representative” means the Holders’ Representative named in the first paragraph of this Agreement or any direct or indirect successor Holders’ Representative designated in accordance with Section 6.3.

1.28 “Independent Accountant” means an independent certified public accounting firm of nationally recognized standing designated either (a) jointly by the Holders’ Representative and Parent, or (b) if the Parties fail to make a designation, jointly by an independent public accounting firm selected by Parent and an independent public accounting firm selected by the Holders’ Representative.

1.29 “Initial Period” has the meaning set forth in Section 1.41.

1.30 “Net Proceeds” means, for any CVR Payment Period, Gross Consideration *minus* Permitted Deductions. For clarity, to the extent Permitted Deductions exceed Gross Consideration for any CVR Payment Period, any excess Permitted Deductions shall be applied against Gross Consideration in subsequent CVR Payment Periods.

1.31 “Net Sales” means, with respect to a SARD Product or SARM Product, the gross amounts received by Parent and its Affiliates for sales or provision of such SARD Product or SARM Product by Parent or its Affiliates to independent, unrelated Persons, less the following deductions, in each case to the extent commercially reasonable and customary, and actually allowed or taken with respect to such sales or provision and not otherwise recovered by or reimbursed to the selling party:

(a) outbound freight, shipment and insurance costs to the extent included in the price and separately itemized on the invoice;

(b) excise taxes, use taxes, tariffs, sales taxes and customs duties, and/or other government charges imposed on the sale of such SARD Product or SARM Product (but specifically excluding, for clarity, any income taxes assessed against the income arising from such sale) (including VAT, but only to the extent that such VAT is not reimbursable or refundable);

(c) discounts, refunds and chargebacks actually granted, allowed or incurred in connection with the sale or provision of such SARD Product or SARM Product;

(d) allowances or credits to customers actually given and not in excess of the selling price of such SARD Product or SARM Product, on account of rejection, outdating, recalls or return of such SARD Product or SARM Product; and

(e) rebates, reimbursements, fees or similar payments to wholesalers and other distributors, pharmacies and other retailers, buying groups (including group purchasing organizations), health care insurance carriers, pharmacy benefit management companies, health maintenance organizations, Governmental Authorities, or other institutions or health care organizations.

If a single item falls into more than one of the categories set forth in clauses (a)-(e) above, such item may not be deducted more than once. All such deductions shall be fairly and equitably allocated to such SARD Product or SARM Product and other products of Partner and its Affiliates such that such SARD Product or SARM Product does not bear a disproportionate portion of such deductions.

Sales between Partner and its Affiliates shall be disregarded for purposes of calculating Net Sales except if such purchaser is a distributor, pharmacy or end user.

In the event that a SARD Compound or SARM Compound is commercialized as part of a combination product containing pharmaceutically active ingredients that are not SARD Compounds or SARM Compounds for a single price, the Net Sales for such SARD Product or SARM Product shall be calculated by multiplying the sales price of such combination product by the fraction $A/(A+B)$ where A is the fair market value in the applicable country during the applicable CVR Payment Period of such SARD Product or SARM Product and B is the fair market value of the other product(s) in the applicable country during the applicable CVR Payment Period in the combination product.

With respect to any sale of any SARD Product or SARM Product in a given country for any substantive consideration other than monetary consideration on arm's length terms (which has the effect of reducing the amount received to below what it would have been in the absence of such non-monetary consideration), for purposes of calculating the Net Sales, such SARD Product or SARM Product shall be deemed to be sold exclusively for cash at the average Net Sales price charged to independent, unrelated Persons for cash sales of such SARD Product or SARM Product in such country during the applicable CVR Payment Period (or if there were only de minimis cash sales in such country, at the fair market value as determined in good faith based on pricing in comparable markets). Notwithstanding the foregoing, Net Sales shall not include amounts (whether actually existing or deemed to exist for purposes of calculation) for SARD Products or SARM Products distributed for use in clinical trials.

Net Sales shall be calculated on a country-by-country basis in a manner consistent with Partner's or its Affiliates' accounting policies for external reporting purposes, as consistently applied across all of its pharmaceutical products, in accordance with U.S. generally accepted accounting principles ("GAAP").

1.32 "Net Sales Proceeds" means, for any CVR Payment Period and SARD Product or SARM Product, (a) until the Development Cost Repayment Date for such SARD Product or

SARM Product, five percent (5%) of Net Sales of such SARD Product or SARM Product and (b) from and after such Development Cost Repayment Date, ten percent (10%) of Net Sales of such SARD Product or SARM Product, in each case (a) and (b), *minus* up to fifty percent (50%) of all fees, milestones, royalties and other payments paid by Parent and its Affiliates during the CVR Term to any Third Party licensor (but excluding UTRF) in consideration for a license to such Third Party's patents that would be infringed, absent such license, by the manufacture, use, sale or import of such SARD Product or SARM Product (such 50% amount, the "**Third Party IP Credit**"); provided that the Net Sales Proceeds for any CVR Payment Period and SARD Product or SARM Product will not be reduced on account of the Third Party IP Credit below fifty percent (50%) of the amount set forth in the preceding clause (a) or (b), as applicable. For clarity, if aggregate Net Sales for any SARD Product or SARM Product during any CVR Payment Period are less than zero, there will be no Net Sales Proceeds payable for such SARD Product or SARM Product for such CVR Payment Period. For clarity, any particular amounts included in the Third Party IP Credit may not be deducted more than once from any Net Sales.

1.33 "Officer's Certificate" means a certificate signed by the chief executive officer, president, chief financial officer, any vice president, the controller, the treasurer or the secretary, in each case of Parent, in his or her capacity as such an officer, and delivered to the Rights Agent.

1.34 "Party" means Parent or the Rights Agent.

1.35 "Payment Amount" means, with respect to each CVR Payment and each Holder, an amount equal to such CVR Payment *divided* by the total number of CVRs and then *multiplied* by the total number of CVRs held by such Holder as reflected on the CVR Register.

1.36 "Permitted Deductions" means

(a) With respect to a SARD Deal, the sum of: (i) all fees, milestone payments and royalties paid by Parent and its Affiliates to UTRF pursuant to the UTRF SARD License Agreement with respect to the SARD Technology or SARD Product or SARD Compound that is subject to such SARD Deal, *plus* (ii) all fees, milestones, royalties and other payments paid by Parent and its Affiliates to any other Third Party licensor in consideration for a license to such Third Party's patents that would be infringed, absent such license, by the practice of such SARD Technology or the manufacture, use or sale of such SARD Product, *plus* (iii) all patent prosecution and maintenance costs incurred by Parent and its Affiliates for such SARD Technology, *plus* (iv) fifty percent (50%) of all Development Costs for such SARD Technology, SARD Compound or SARD Product, *plus* (v) one hundred percent (100%) of the out-of-pocket transaction costs incurred by Parent and its Affiliates to Third Parties for the negotiation, entry into and closing of such SARD Deal, including any broker fees, finder's fees, advisory fees, accountant or attorney's fees, in each case (i)-(v) to the extent such costs have been incurred during the CVR Term and are not reimbursed or paid to Parent or its Affiliate by a Third Party (including a Governmental Entity); or

(b) With respect to a SARM Deal, the sum of: (i) all fees, milestone payments and royalties paid by Parent and its Affiliates to UTRF pursuant to the UTRF SARM License Agreement with respect to the SARM Technology or SARM Product or SARM Compound that

is subject to such SARM Deal, *plus* (ii) all fees, milestones, royalties and other payments paid by Parent and its Affiliates to any other Third Party licensor in consideration for a license to such Third Party's patents that would be infringed, absent such license, by the practice of such SARM Technology or the manufacture, use or sale of such SARM Product, *plus* (iii) all patent prosecution and maintenance costs incurred by Parent and its Affiliates for such SARM Technology, *plus* (iv) fifty percent (50%) of all Development Costs for such SARM Technology, SARM Compound or SARM Product, *plus* (v) one hundred percent (100%) of the out-of-pocket transaction costs incurred by Parent and its Affiliates to Third Parties for the negotiation, entry into and closing of such SARM Deal, including any broker fees, finder's fees, advisory fees, accountant or attorney's fees, in each case (i)-(v) to the extent such costs have been incurred during the CVR Term and are not reimbursed or paid to Parent or its Affiliate by a Third Party (including a Governmental Entity).

1.37 "Permitted Transfer" means a transfer of CVRs (a) upon death of a Holder by will or intestacy; (b) pursuant to a court order; (c) by operation of law (including by consolidation or merger) or without consideration in connection with the dissolution, liquidation or termination of any corporation, limited liability company, partnership or other entity; (d) in the case of CVRs held in book-entry or other similar nominee form, from a nominee to a beneficial owner and, if applicable, through an intermediary, to the extent allowable by DTC; or (e) pursuant to Section 2.6.

1.38 "Person" means any natural person, corporation, limited liability company, trust, unincorporated association, partnership, joint venture or other entity.

1.39 "Rights Agent" means the Rights Agent named in the first paragraph of this Agreement or any direct or indirect successor Rights Agent designated in accordance with the applicable provisions of this Agreement.

1.40 "SARD Compound" means (1) any compound that (A) either (a) competitively or non-competitively binds to the androgen receptor or any variant thereof and causes the degradation thereof, (b) inhibits the synthesis, expression or activity of splice variants of the androgen receptor or (c) inhibits the reactivation or constitutive activation of the androgen receptor or any variant thereof, including through (i) binding to the androgen receptor or variants thereof, (ii) inhibition of androgen receptor activation even when androgens are synthesized within the cell (i.e. intratumorally), or (iii) inhibition of the synthesis, expression or activity of the androgen receptor or variants thereof including in pathologically altered cellular environments and (B) is covered by a valid claim in any patent or by a pending claim in any patent application that has not been pending for more than ten (10) years from its earliest priority date and that is listed in Part B of Schedule 3.12(a) of the Parent Disclosure Schedule under the Merger Agreement or that claims priority thereto or shares priority therewith or that arises from any of the foregoing (collectively, the "**Listed SARD Patents**") and (2) any analog of such a compound included in subsection (1) that is developed by Parent or its Affiliates prior to any Acquisition. Notwithstanding the foregoing, SARD Compound shall not include any compound that is owned or controlled by an Acquiror prior to the closing of the Acquisition or developed or acquired by such Acquiror subsequent to such closing independently of any activities of Parent and its Affiliates (excluding such Acquiror) related to SARD Technology and SARD Compounds and without reliance on or use of any SARD Technology or SARD Compounds

(provided that the Acquiror establishes reasonable internal safeguards designed to ensure that such conditions of independence are satisfied), *unless* such compound is covered by a valid claim in any patent or by a pending claim in any patent application that has not been pending for more than ten (10) years from its earliest priority date and that is owned or licensed by Parent or its Affiliates (excluding such Acquiror) prior to the closing of the Acquisition or that claims priority thereto or shares priority therewith or that arises from any of the foregoing (such excluded compounds, “**Acquiror SARD Compounds**”).

1.41 “SARD Deal” means any transaction (a) that is (i) entered into during the period beginning on the Closing and ending ten (10) years thereafter (the “**Initial Period**”) or (ii) entered into within one (1) year after the end of the Initial Period based upon a letter of intent, term sheet or similar document that was approved by Parent or its Affiliate and a Third Party during the Initial Period and (b) pursuant to which Parent or its Affiliate grants, sells or otherwise transfers to a Third Party any rights under any SARD Technology or any rights to research, develop or commercialize any SARD Technology or SARD Product, including a license, option, covenant not to sue, or sale of assets with respect to any SARD Technology or SARD Product. For clarity, the sale of all or substantially all of Parent’s stock or its assets, or a merger, acquisition or similar transaction shall not be deemed a SARD Deal.

1.42 “SARD Product” means any product or service that (a) contains a SARD Compound or (b) uses or incorporates any SARD Technology and is developed by Parent or its Affiliates prior to an Acquisition. In no event shall SARD Product mean or include any Acquiror SARD Compounds.

1.43 “SARD Technology” means any and all Intellectual Property Rights that are (a) owned or licensed by Parent or its Affiliates as of the Effective Date or during the term of this Agreement, but prior to the closing of any Acquisition and (b) related to (i) degradation of the androgen receptor or any variant thereof through competitive or non-competitive binding thereto, (ii) inhibition of splice variants of the androgen receptor or (iii) inhibition of reactivation or constitutive activation of the androgen receptor or any variant thereof, including through (1) binding to the androgen receptor or variants thereof, (2) inhibition of androgen receptor activation even when androgens are synthesized within the cell (i.e. intratumorally), or (3) inhibition of the synthesis, expression or activity of the androgen receptor or variants thereof including in pathologically altered cellular environments and (c) Listed SARD Patents or otherwise included in the Intellectual Property Rights licensed to Parent pursuant to the UTRF SARD License Agreement or that cover any SARD Compound. Notwithstanding the foregoing, SARD Technology shall not include any Intellectual Property Rights owned or controlled by an Acquiror prior to the closing of the Acquisition or developed or acquired by such Acquiror subsequent to such closing independently of any activities of Parent and its Affiliates (excluding such Acquiror) related to SARD Technology and SARD Compounds and without reliance on or use of any SARD Technology or SARD Compounds (provided that the Acquiror establishes reasonable internal safeguards designed to ensure that such conditions of independence are satisfied).

1.44 “SARM Compound” means (a) any compound that binds competitively to the androgen receptor at the ligand binding domain and functions, or is intended to function, in vivo as an agonist in muscle or bone cells and as an antagonist in prostate or seminal vesicle cells and

is covered by a valid claim in any patent that is listed in Part A of Schedule 3.12(a) of the Parent Disclosure Schedule under the Merger Agreement or that claims priority thereto or shares priority therewith or that arises from any of the foregoing (collectively, the “**Listed SARM Patents**”) and (b) any analog of such a compound included in subsection (a) developed by Parent or its Affiliates prior to any Acquisition. Notwithstanding the foregoing, SARM Compound shall not include any compound that is owned or controlled by an Acquiror prior to the closing of the Acquisition or developed or acquired by such Acquiror subsequent to such closing independently of any activities of Parent and its Affiliates (excluding such Acquiror) related to SARM Technology and SARM Compounds and without reliance on or use of any SARM Technology or SARM Compounds (provided that the Acquiror establishes reasonable internal safeguards designed to ensure that such conditions of independence are satisfied), *unless* such compound is covered by a valid claim in any patent or by a pending claim in any patent application that has not been pending for more than ten (10) years from its earliest priority date and that is owned or licensed by Parent or its Affiliates (excluding such Acquiror) prior to the closing of the Acquisition or that claims priority thereto or shares priority therewith or that arises from any of the foregoing (such excluded compounds, “**Acquiror SARM Compounds**”).

1.45 “SARM Deal” means any transaction (a) that is (i) entered into during the Initial Period, (ii) entered into within one (1) year after the end of the Initial Period based upon a letter of intent, term sheet or similar document that was approved by Parent or its Affiliate and a Third Party during the Initial Period, or (iii) entered into after the date of the Merger Agreement and prior to the Closing and (b) pursuant to which Parent or its Affiliate grants, sells or otherwise transfers to a Third Party any rights under any SARM Technology or any rights to research, develop or commercialize any SARM Technology or SARM Product, including a license, option, covenant not to sue, or sale of assets with respect to any SARM Technology or SARM Product. For clarity, the sale of all or substantially all of Parent’s stock or its assets, or a merger, acquisition or similar transaction shall not be deemed a SARM Deal.

1.46 “SARM Product” means any product or service that (a) contains a SARM Compound or (b) uses or incorporates any SARM Technology and is developed by Parent or its Affiliates prior to an Acquisition. In no event shall SARM Product mean or include any Acquiror SARM Compounds.

1.47 “SARM Technology” means any and all Intellectual Property Rights that are (a) owned or licensed by Parent or its Affiliates as of the Effective Date or during the term of this Agreement, but prior to the closing of any Acquisition and (b) related to modulation of the activity of the androgen receptor through selective binding to its ligand binding domain by functioning *in vivo* as an agonist in muscle or bone cells and as an antagonist in prostate or seminal vesicle cells and (c) Listed SARM Patents or otherwise included in the Intellectual Property Rights licensed to Parent pursuant to the UTRF SARM License Agreement. Notwithstanding the foregoing, SARM Technology shall not include any Intellectual Property Rights owned or controlled by an Acquiror prior to the closing of the Acquisition or developed or acquired by such Acquiror subsequent to such closing independently of any activities of Parent and its Affiliates (excluding the Acquiror) related to SARM Technology and SARM Compounds and without reliance on or use of any SARM Technology or SARM Compounds (provided that the Acquiror establishes reasonable internal safeguards designed to ensure that such conditions of independence are satisfied).

1.48 “**Third Party**” means any Person other than Parent, Rights Agent or their respective Affiliates.

1.49 “**UTRF**” means the University of Tennessee Research Foundation.

1.50 “**UTRF SARD License Agreement**” means that certain License Agreement between UTRF and Parent, effective March 1, 2015, and amended November 11, 2015, August 12, 2016, April 6, 2017, and October 23, 2018.

1.51 “**UTRF SARM License Agreement**” means that certain Consolidated, Amended, and Restated License Agreement between UTRF and Parent, effective July 24, 2007, and amended December 29, 2008.

1.52 “**Valuation Expert**” has the meaning set forth in Section 2.4(e).

1.53 **Rules of Construction.** Except as otherwise explicitly specified to the contrary, (a) references to a Section means a Section of this Agreement unless another agreement is specified, (b) the word “including” (in its various forms) means “including without limitation,” (c) references to a particular statute or regulation include all rules and regulations thereunder and any successor statute, rules or regulation, in each case as amended or otherwise modified from time to time, (d) words in the singular or plural form include the plural and singular form, respectively, (e) references to a particular Person include such Person’s successors and assigns to the extent not prohibited by this Agreement and (f) all references to dollars or “\$” refer to United States dollars.

2. CONTINGENT VALUE RIGHTS

2.1 **CVRs.** The CVRs represent the rights of Holders to receive contingent cash payments pursuant to this Agreement. The initial Holders will be the holders of Parent Common Stock as of immediately prior to the Effective Time.

2.2 **Nontransferable.** The CVRs may not be sold, assigned, transferred, pledged, encumbered or in any other manner transferred or disposed of, in whole or in part, other than through a Permitted Transfer.

2.3 **No Certificate; Registration; Registration of Transfer; Change of Address; CVR Distribution.**

(a) The CVRs will not be evidenced by a certificate or other instrument.

(b) The Rights Agent will create and maintain a register (the “**CVR Register**”) for the purpose of registering CVRs and transfers of CVRs as herein provided. The CVR Register will be created, and CVRs will be distributed, pursuant to written instructions to the Rights Agent from Parent. The CVR Register will initially show one position for Cede & Co. representing all the shares of Parent Common Stock held by DTC on behalf of the street holders of the shares of Parent Common Stock held by such holders as of immediately prior to the Effective Time. The Rights Agent will have no responsibility whatsoever directly to the street name holders with respect to transfers of CVRs. With respect to any payments to be made under

Section 2.4(g) below, the Rights Agent will accomplish the payment to any former street name holders of shares of Company Common Stock by sending one lump payment to DTC. The Rights Agent will have no responsibilities whatsoever with regard to the distribution of payments by DTC to such street name holders.

(c) Subject to the restrictions on transferability set forth in Section 2.2, every request made to transfer a CVR must be in writing and accompanied by a written instrument of transfer in form reasonably satisfactory to the Rights Agent pursuant to its guidelines, including a guaranty of signature by an “eligible guarantor institution” that is a member or participant in the Securities Transfer Agents Medallion Program, duly executed by the Holder thereof, the Holder’s attorney duly authorized in writing, the Holder’s personal representative or the Holder’s survivor, and setting forth in reasonable detail the circumstances relating to the transfer. Upon receipt of such written notice, the Rights Agent will, subject to its reasonable determination that the transfer instrument is in proper form and the transfer otherwise complies with the other terms and conditions of this Agreement (including the provisions of Section 2.2), register the transfer of the CVRs in the CVR Register. Parent and Rights Agent may require payment of a sum sufficient to cover any stamp or other tax or governmental charge that is imposed in connection with any such registration of transfer. The Rights Agent shall have no duty or obligation to take any action under any section of this Agreement that requires the payment by a Holder of a CVR of applicable taxes or charges unless and until the Rights Agent is satisfied that all such taxes or charges have been paid. All duly transferred CVRs registered in the CVR Register will be the valid obligations of Parent and will entitle the transferee to the same benefits and rights under this Agreement as those held immediately prior to the transfer by the transferor. No transfer of a CVR will be valid until registered in the CVR Register.

(d) A Holder may make a written request to the Rights Agent to change such Holder’s address of record in the CVR Register. The written request must be duly executed by the Holder. Upon receipt of such written notice, the Rights Agent will, subject to its reasonable determination that the transfer instrument is in proper form, promptly record the change of address in the CVR Register.

(e) Parent will provide written instructions to the Rights Agent for the distribution of CVRs to holders of Parent Common Stock as of immediately prior to the Effective Time (the “**Record Time**”). Subject to the terms and conditions of this Agreement and Parent’s prompt confirmation of the Effective Time, the Rights Agent shall effect the distribution of the CVRs, less any applicable tax withholding, to each holder of Parent Common Stock as of the Record Time by the mailing of a statement of holding reflecting such CVRs.

2.4 Payment Procedures.

(a) On each anniversary of the Effective Date prior to Parent’s or its Affiliate’s receipt of any Gross Consideration or Net Sales, Parent shall deliver to the Holders’ Representative and Rights Agent a written statement stating that no Gross Consideration or Net Sales have been received to date.

(b) Subsequent to any SARD Deal or SARM Deal, within sixty (60) days after the end of each CVR Payment Period during the CVR Term, commencing with the CVR

Payment Period in which Parent or its Affiliate first receives Gross Consideration, Parent shall deliver to the Holders' Representative and Rights Agent a CVR Payment Statement for such CVR Payment Period. Concurrent with the delivery of each CVR Payment Statement, Parent shall pay the Rights Agent in U.S. dollars an amount equal to fifty percent (50%) of the Net Proceeds (if any) received in the applicable CVR Payment Period. For clarity, to the extent that any non-cash consideration in Gross Consideration is monetized after the end of the CVR Term, Parent will include a description of such non-cash consideration in the CVR Payment Statement for the CVR Payment Period in which it is received, and will make the applicable payment to the Rights Agent upon monetization of such non-cash consideration (regardless of whether such monetization occurs after the end of the CVR Term). For further clarity, following a SARD Deal or a SARM Deal, any sale of SARD Products or SARM Products by the counterparty to such SARD Deal or SARM Deal will not be included in Net Sales, and Parent shall not be obligated to make any payments to the Rights Agent regarding Net Sales Proceeds based on such sales (it being understood that payments made by such counterparty to Parent or its Affiliates based on such sales will be included in Gross Consideration).

(c) In the event that Parent or any of its Affiliates commercializes any SARD Product or SARM Product itself, within sixty (60) days after the end of each CVR Payment Period during the CVR Term, commencing with the CVR Payment Period in which Parent or its Affiliate first receives Net Sales, Parent shall deliver to the Holders' Representative and Rights Agent a CVR Payment Statement for such CVR Payment Period. Concurrent with the delivery of each CVR Payment Statement, Parent shall pay the Rights Agent in U.S. dollars an amount equal to the Net Sales Proceeds for the applicable CVR Payment Period.

(d) If the Holders' Representative does not agree with (i) the allocation of consideration for any SARD Deal or SARM Deal between, on the one hand, SARD Technology, SARD Products, SARM Technology or SARM Products, as applicable, that are the subject of such SARD Deal or SARM Deal, and on the other hand, all other technology, products or assets involved in such SARD Deal or SARM Deal, (ii) the fair market value of any equity securities of Parent or its Affiliate that are purchased in connection with any SARD Deal or SARM Deal or (iii) the fair market value of any SARD Compound, SARM Compound and/or other pharmaceutically active ingredient for purposes of determining the Net Sales for any SARD Product or SARM Product that is a combination product, in each case that is the subject of any CVR Payment Statement, then, within thirty (30) days following the receipt of the CVR Payment Statement, the Holders' Representative shall notify (in writing) the Rights Agent and Parent, and such allocation or fair market value(s) will be determined by the Valuation Expert in accordance with Section 2.4(e).

(e) Upon the Holders' Representative's request after receipt of any statement under Section 2.4(b) or (c), Parent shall promptly provide the Holders' Representative with reasonable documentation to support its calculation of Net Proceeds or Net Sales Proceeds, as applicable (including any allocation applied when calculating the Gross Consideration component thereof and including its determination of the applicable fair market value(s)), and shall make its financial personnel reasonably available to the Holders' Representative to discuss and answer the Holders' Representative's questions regarding such calculations. If the Holders' Representative does not agree with Parent's calculation, and the Holders' Representative and Parent fail to agree on an alternative calculation within ten (10) Business Days after the Holders'

Representative requests documentation supporting Parent's calculation, then the Parties shall engage a mutually agreeable independent third party valuation expert (a "**Valuation Expert**") to determine the applicable calculation. The determination of the Valuation Expert will be final and binding on the Parties, unless the Parties agree otherwise in writing. The Valuation Expert shall be an investment banker or other Person experienced in the valuation of pharmaceutical businesses and products, who shall not have had any material business relationship with Parent or the Holders' Representative in the thirty-six (36) months prior to appointment, unless Parent and the Holders' Representative agree in writing to waive this requirement. If the Holders' Representative and Parent fail to agree on a Valuation Expert within thirty (30) days after determining to seek a Valuation Expert, the Holders' Representative and Parent shall each designate a valuation expert, and the two such experts shall select a Valuation Expert. The Valuation Expert selected shall be entitled to apply discounted cash flow models and such other valuation models as she or he determines are appropriate under the circumstances, together with any other valuation models as may be agreed by the Holders' Representative and Parent. Within ten (10) Business Days after the selection of the Valuation Expert, each of Parent and the Holders' Representative will deliver to the Valuation Expert a detailed written proposal setting forth its proposed calculation of the Net Proceeds or Net Sales Proceeds, as applicable, and Parent will deliver to the Valuation Expert a copy of the applicable Third Party agreements. Parent and the Holders' Representative will use reasonable efforts to cause the Valuation Expert to make a determination within thirty (30) days after receipt of the proposals. Following its determination, the Valuation Expert shall deliver to Parent and the Holders' Representative a report of her or his determination, and within thirty (30) days after receipt of such report, Parent shall make the applicable payment to the Rights Agent. The fees charged by the Valuation Expert shall be borne fifty percent (50%) by the Holders (through deduction from the next one or more CVR Payments, including the CVR Payment evaluated by the Valuation Expert) and fifty percent (50%) by Parent.

(f) All payments by Parent to the Rights Agent under this Agreement shall be made in U.S. dollars. The rate of exchange to be used in computing the amount of currency equivalent in U.S. dollars shall be made at the average of the closing exchange rates reported in *The Wall Street Journal* (U.S., Eastern Edition) for the first, middle and last Business Days of the applicable CVR Payment Period.

(g) The Rights Agent will promptly, and in any event within ten (10) Business Days after receipt of a CVR Payment Statement under Section 2.4(b) or (c), send each Holder at its registered address a copy of such statement. If the Rights Agent also receives any payment under Section 2.4(b) or (c) (each, a "**CVR Payment**"), then within ten (10) Business Days after the receipt of each CVR Payment, the Rights Agent will also pay to each Holder, by check mailed to the address of each Holder as reflected in the CVR Register as of the close of business on the date of the receipt of the CVR Payment Statement, such Holder's Payment Amount.

(h) Parent shall be entitled to deduct or withhold, or cause the Rights Agent to deduct or withhold, from any amount otherwise payable to a Holder pursuant to Section 2.4(g) such amounts as may be required to be deducted or withheld therefrom under the Code, the Treasury Regulations thereunder, or any other applicable Tax Law, or as may be determined by Parent. Prior to making any such Tax withholdings or causing any such Tax withholdings to be made with respect to any Holder, Parent shall instruct the Rights Agent to solicit from such

Holder an IRS Form W-9 or other applicable Tax form within a reasonable amount of time and such Holder shall promptly provide any necessary Tax forms (including an IRS Form W-9 or an applicable IRS Form W-8) in order to avoid or reduce such withholding amounts. To the extent such amounts are so deducted or withheld, such amounts shall be treated for all purposes under this Agreement as having been paid to the person to whom such amounts would otherwise have been paid, and prior to the 15th day of February in the year following any payment of such taxes by Parent or the Rights Agent, Parent shall deliver (or shall cause the Rights Agent to deliver) to the Person to whom such amounts would otherwise have been paid the original Form 1099 or other reasonably acceptable evidence of such withholding.

(i) Any portion of any CVR Payment that remains undistributed to the Holders six (6) months after the CVR Payment is received by the Rights Agent from the Parent, provided that the Rights Agent has fully complied with Section 2.4(g), will be delivered by the Rights Agent to Parent, upon demand, and any Holder will thereafter look only to Parent for payment of its share of such returned CVR Payment, without interest, but such Holder will have no greater rights against Parent than those accorded to general unsecured creditors of Parent under applicable law.

(j) Neither Parent nor the Rights Agent will be liable to any person in respect of any Payment Amount delivered to a public official pursuant to any applicable abandoned property, escheat or similar law. If, despite Parent's and/or the Rights Agent's commercially reasonable efforts to deliver a Payment Amount to the applicable Holder, such Payment Amount has not been paid immediately prior to the date on which such Payment Amount would otherwise escheat to or become the property of any Governmental Entity, any such Payment Amount will, to the extent permitted by applicable law, become the property of Parent, free and clear of all claims or interest of any person previously entitled thereto. In addition to and not in limitation of any other indemnity obligation herein, Parent agrees to indemnify and hold harmless Rights Agent with respect to any liability, penalty, cost or expense Rights Agent may incur or be subject to in connection with transferring such property to Parent.

(k) For the avoidance of doubt, as between Parent, Rights Agent and the Holders, Parent shall have sole responsibility for making all payments due pursuant to the UTRF SARD License Agreement and the UTRF SARM License Agreement. The CVR Payments shall be in addition to, and not in lieu of, any such payments.

2.5 No Voting, Dividends or Interest; No Equity or Ownership Interest in Parent.

(a) The CVRs will not have any voting or dividend rights, and interest will not accrue on any amounts payable on the CVRs to any Holder.

(b) The CVRs will not represent any equity or ownership interest in Parent or in any constituent company to the Merger.

(c) Each Holder acknowledges and agrees to the appointment and authority of the Holders' Representative to act as the exclusive representative, agent and attorney-in-fact of such Holder and all Holders as set forth in this Agreement. Each Holder agrees that such Holder

will not challenge or contest any action, inaction, determination or decision of the Holders' Representative or the authority or power of the Holders' Representative and will not threaten, bring, commence, institute, maintain, prosecute or voluntarily aid any action, which challenges the validity of or seeks to enjoin the operation of any provision of this Agreement, including, without limitation, the provisions related to the authority of the Holders' Representative to act on behalf of such Holder and all Holders as set forth in this Agreement.

2.6 Ability to Abandon CVR. A Holder may at any time, at such Holder's option, abandon all of such Holder's remaining rights in a CVR by transferring such CVR to Parent without consideration therefor. Nothing in this Agreement is intended to prohibit Parent or its Affiliates from offering to acquire CVRs for consideration in its sole discretion.

3. THE RIGHTS AGENT

3.1 Certain Duties and Responsibilities. The Rights Agent will not have any liability for any actions taken or not taken in connection with this Agreement, except to the extent of its willful misconduct, bad faith or gross negligence (in each case as determined by a final, non-appealable decision of a court of competent jurisdiction).

3.2 Certain Rights of Rights Agent. The Rights Agent undertakes to perform such duties and only such duties as are specifically set forth in this Agreement, and no implied covenants or obligations will be read into this Agreement against the Rights Agent. In addition:

(a) the Rights Agent may rely and will be protected and held harmless by Parent in acting or refraining from acting upon any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties;

(b) whenever the Rights Agent will deem it desirable that a matter be proved or established prior to taking, suffering or omitting any action hereunder, the Rights Agent may rely upon an Officer's Certificate, which certificate shall be full authorization and protection to the Rights Agent, and the Rights Agent shall, in the absence of bad faith, gross negligence or willful misconduct on its part (in each case as determined by a final, non-appealable decision of a court of competent jurisdiction), incur no liability and be held harmless by Parent for or in respect of any action taken, suffered or omitted to be taken by it under the provisions of this Agreement in reliance upon such certificate;

(c) the Rights Agent may engage and consult with counsel of its selection and the advice of such counsel or any opinion of counsel will be full and complete authorization and protection and shall be held harmless by Parent in respect of any action taken, suffered or omitted by it hereunder in the absence of bad faith and in reliance thereon;

(d) the permissive rights of the Rights Agent to do things enumerated in this Agreement will not be construed as a duty;

(e) the Rights Agent will not be required to give any note or surety in respect of the execution of such powers or otherwise in respect of the premises;

(f) the Rights Agent shall not be liable for or by reason of, and shall be held harmless by Parent with respect to any of the statements of fact or recitals contained in this Agreement or be required to verify the same, but all such statements and recitals are and shall be deemed to have been made by the Parent only;

(g) the Rights Agent will have no liability and shall be held harmless by Parent in respect of the validity of this Agreement or the execution and delivery hereof (except the due execution and delivery hereof by the Rights Agent and the enforceability of this Agreement against the Rights Agent assuming the due execution and delivery hereof by Parent); nor shall it be responsible for any breach by the Parent or any other Person of any covenant or condition contained in this Agreement;

(h) Parent agrees to indemnify Rights Agent for, and hold Rights Agent harmless against, any loss, liability, damage, claim, judgment, fine, penalty, claim, demands, suits or expense (including the reasonable expenses and counsel fees and other disbursements) arising out of or in connection with Rights Agent's preparation, delivery, negotiation, amendment, administration and execution of this Agreement and the exercise and performance of its duties hereunder, including the costs and expenses of defending Rights Agent against any claims, charges, demands, suits or loss, unless such loss has been determined by a final, non-appealable order of a court of competent jurisdiction to be a result of Rights Agent's gross negligence, bad faith or willful or intentional misconduct;

(i) Notwithstanding anything in this Agreement to the contrary, any liability of the Rights Agent under this Agreement will be limited to the amount of annual fees (but not reimbursed expenses) paid by the Parent to the Rights Agent during the twelve (12) months immediately preceding the event for which recovery from the Rights Agent is being sought;

(j) Rights Agent shall not be liable for special, punitive, indirect, incidental or consequential loss or damages of any kind whatsoever (including, without limitation, lost profits), even if the Rights Agent has been advised of the likelihood of such loss or damages, and regardless of the form of action;

(k) Parent agrees (i) to pay the fees and expenses of the Rights Agent in connection with this Agreement as agreed upon in writing by the Rights Agent and Parent on or prior to the date hereof, and (ii) to reimburse the Rights Agent for all taxes and governmental charges, reasonable expenses and other charges of any kind and nature incurred by the Rights Agent in the execution of this Agreement (other than taxes imposed on or measured by the Rights Agent's net income and franchise or similar taxes imposed on it). The Rights Agent will also be entitled to reimbursement from Parent for all reasonable and necessary out-of-pocket expenses paid or incurred by it in connection with the administration by the Rights Agent of its duties hereunder;

(l) No provision of this Agreement shall require the Rights Agent to expend or risk its own funds or otherwise incur any financial liability in the performance of any of its duties hereunder or in the exercise of its rights if there shall be reasonable grounds for believing that repayment of such funds or adequate indemnification against such risk or liability is not reasonably assured to it;

(m) Parent agrees that it will perform, execute, acknowledge and deliver or cause to be performed, executed, acknowledged and delivered all such further and other acts, instruments and assurances as may reasonably be required or requested by the Rights Agent for the carrying out or performing by the Rights Agent of the provisions of this Agreement;

(n) The Rights Agent may execute and exercise any of the rights or powers hereby vested in it or perform any duty hereunder either itself or by or through its attorneys or agents, and the Rights Agent shall not be answerable or accountable for any act, omission, default, neglect or misconduct of any such attorneys or agents or for any loss to the Parent, to the holders of the CVRs or any other Person resulting from any such act, omission, default, neglect or misconduct, absent gross negligence or bad faith in the selection and continued employment thereof (which gross negligence or bad faith must be determined by a final, non-appealable judgment of a court of competent jurisdiction);

(o) Unless otherwise specifically prohibited by the terms of this Agreement, the Rights Agent and any stockholder, affiliate, member, director, officer, agent, representative or employee of the Rights Agent may buy, sell or deal in any of the securities of the Parent or become pecuniarily interested in any transaction in which the Parent may be interested, or contract with or lend money to the Parent or otherwise act as fully and freely as though it were not the Rights Agent under this Agreement. Nothing herein shall preclude the Rights Agent or any such stockholder, affiliate, director, member, officer, agent, representative or employee from acting in any other capacity for the Parent or for any other Person;

(p) The Rights Agent shall act hereunder solely as agent for the Parent and it shall not assume any obligations or relationship of agency or trust with any of the Holders or the Holder's Representative;

(q) The Rights Agent shall not be deemed to have knowledge of any event of which it was supposed to receive notice thereof hereunder, and the Rights Agent shall be fully protected and shall incur no liability for failing to take action in connection therewith, unless and until it has received such notice in writing;

(r) The Rights Agent shall not have any duty or responsibility in the case of the receipt of any written demand from any Holder with respect to any action or default by the Parent, including, without limiting the generality of the foregoing, any duty or responsibility to initiate or attempt to initiate any proceedings at law or otherwise or to make any demand upon the Parent; and

(s) The provisions under this Section 3.2 shall survive the expiration of the CVRs and the termination of this Agreement and the resignation, replacement or removal of the Rights Agent. The costs and expenses incurred in enforcing this right of indemnification shall be paid by the Parent.

3.3 Resignation and Removal; Appointment of Successor.

(a) The Rights Agent may resign at any time by giving written notice thereof to Parent specifying a date when such resignation will take effect, which notice will be sent at least thirty (30) days prior to the date so specified. Parent has the right to remove Rights Agent at

any time by notice specifying a date when such removal will take effect. Such notice of removal will be given by Parent to Rights Agent, which notice will be sent at least thirty (30) days prior to the date so specified.

(b) If the Rights Agent provides notice of its intent to resign, is removed or becomes incapable of acting, Parent, by a Board Resolution, will as soon as is reasonably possible appoint a qualified successor Rights Agent who, unless otherwise consented to in writing by the Holders' Representative, shall be a stock transfer agent of national reputation or the corporate trust department of a commercial bank. The successor Rights Agent so appointed will, forthwith upon its acceptance of such appointment in accordance with Section 3.4, become the successor Rights Agent.

(c) Parent will give notice of each resignation and each removal of a Rights Agent and each appointment of a successor Rights Agent by mailing written notice of such event by first-class mail to the Holders as their names and addresses appear in the CVR Register. Each notice will include the name and address of the successor Rights Agent. If Parent fails to send such notice within ten days after acceptance of appointment by a successor Rights Agent, the successor Rights Agent will cause the notice to be mailed at the expense of Parent.

3.4 Acceptance of Appointment by Successor. Every successor Rights Agent appointed hereunder will execute, acknowledge and deliver to Parent and to the retiring Rights Agent an instrument accepting such appointment and a counterpart of this Agreement, and thereupon such successor Rights Agent, without any further act, deed or conveyance, will become vested with all the rights, powers, trusts and duties of the retiring Rights Agent. On request of Parent or the successor Rights Agent, the retiring Rights Agent will execute and deliver an instrument transferring to the successor Rights Agent all the rights (except such rights of predecessor rights agent which survive pursuant to Section 3.3 of this Agreement), powers and trusts of the retiring Rights Agent.

4. COVENANTS

4.1 List of Holders. Parent will furnish or cause to be furnished to the Rights Agent in such form as Parent receives from Parent's transfer agent (or other agent performing similar services for Parent), the names and addresses of the Holders within [ten (10)] Business Days of the Effective Time.

4.2 Development Plan. Within one hundred eighty (180) days after the Effective Date, Parent shall furnish or cause to be furnished to the GTx Board Members a draft development plan that describes in reasonable detail its plan for development of one or more of the SARD Compounds, including at least a description of the work necessary to file an IND for receiving clearance from the FDA to initiate a first-in-human clinical trial for a SARD Product. Parent shall provide the GTx Board Members with updated or revised development plans during the CVR Term.

4.3 Payment. If any CVR Payment is due under Section 2.4(b) or (c), Parent will deposit the CVR Payment with the Rights Agent for payment to the Holders in accordance with Section 2.4(g).

4.4 Commercially Reasonable Efforts.

(a) Parent shall, or shall cause its Affiliates or any licensees to, use Commercially Reasonable Efforts to, during the CVR Term develop one or more SARD Compounds in accordance with the Development Plan or amended Development Plan, as applicable. In the event that Parent reasonably determines (as determined by a majority vote of Parent's Board of Directors (which Board of Directors may include one or more GTx Board Members, to the extent one or more GTx Board Members are serving on the Parent's Board of Directors at the time of such determination)), after expending Commercially Reasonable Efforts to develop SARD Compounds, that further development of SARD Compounds or SARD Products is not commercially viable or reasonable, Parent may terminate, upon written notice to the Rights Agent, any and all obligations under this Section 4.4(a) and Sections 4.2 and 4.5, and upon such notice such obligations shall be terminated.

(b) Parent shall have no obligations to develop any SARM Technology, SARM Compounds or SARM Products. Parent shall use Commercially Reasonable Efforts to divest the SARM Technology, SARM Compounds and SARM Products; provided that such obligation will terminate upon a determination by the Parent's Board of Directors (as determined by a majority vote of Parent's Board of Directors (which Board of Directors may include one or more GTx Board Members, to the extent one or more GTx Board Members are serving on the Parent's Board of Directors at the time of such determination)) that it would no longer be commercially reasonable to expend any efforts to divest the SARM Technology, SARM Compounds and SARM Products.

4.5 **Reports.** Commencing at the end of calendar year 2019, within forty-five days after the end of the second and fourth calendar quarters of each calendar year during the CVR Term, Parent shall provide to the Rights Agent and the Holders' Representative a written report summarizing the activities Parent has undertaken in the preceding twelve (12)-month period to develop one or more SARD Compounds and to monetize the SARM Technology and SARM Products, provided that Parent shall be permitted to exclude any material non-public information from such reports.

4.6 **Books and Records.** Parent shall, and shall cause its Affiliates to, keep true, complete and accurate records in sufficient detail to enable the Holders and their consultants or professional advisors to confirm the applicable Payment Amount payable to each Holder hereunder in accordance with the terms specified in this Agreement.

4.7 Audits.

(a) Upon the written request of the Holders' Representative provided to Parent not less than forty-five (45) days in advance (such request not to be made more than once in any twelve (12) month period), Parent shall permit, and shall cause its Affiliates to permit, the Independent Accountant to have access during normal business hours to such of the records of Parent or its Affiliates as may be reasonably necessary to determine the accuracy of the Net Proceeds and/or Net Sales Proceeds reported by Parent. Parent shall, and shall cause to its Affiliates to, furnish to the Independent Accountant such access, work papers and other documents and information reasonably necessary for the Independent Accountant to calculate

and verify the Net Proceeds and/or Net Sales Proceeds; provided that Parent may, and may cause its Affiliates to, redact documents and information not relevant for such calculation pursuant to this Section 4.7. The Independent Accountant shall disclose to Parent and the Holders' Representative any matters directly related to its findings to the extent reasonably necessary to verify the Net Proceeds and/or Net Sales Proceeds.

(b) If the Independent Accountant concludes that a CVR Payment that was properly due was not paid to the Rights Agent, or that any CVR Payment made was in an amount less than the amount due, Parent shall pay the CVR Payment or underpayment thereof to the Rights Agent for further distribution to the Holders plus interest on such amount at the "prime rate" as published in *The Wall Street Journal* or similar reputable data source from time to time, calculated from when the full CVR Payment should have been paid to the date of actual payment (such amount including interest being the "CVR Shortfall"). The CVR Shortfall shall be paid within ten (10) Business Days after the date the Independent Accountant delivers to Parent and the Holders' Representative the Independent Accountant's written report. The decision of the Independent Accountant shall be final, conclusive and binding on Parent and the Holders, shall be non-appealable and shall not be subject to further review. The fees charged by the Independent Accountant shall be paid by the Holders' Representative; provided, however, that if the Independent Accountant concludes that Parent has underreported or underpaid any CVR Payment by more than ten percent (10%), the fees charged by such Independent Accountant shall be paid by Parent.

(c) Each Person seeking to receive information from Parent in connection with a review pursuant to Section 4.5 or this Section 4.7 shall enter into, and shall cause its accounting firm to enter into, a reasonable and mutually satisfactory confidentiality agreement with Parent or any controlled Affiliate obligating such party to retain all such information disclosed to such party in confidence pursuant to such confidentiality agreement.

5. AMENDMENTS

5.1 Amendments without Consent of Holders.

(a) Without the consent of any Holders or the Holders' Representative, Parent, when authorized by a Board Resolution, at any time and from time to time, and the Rights Agent may enter into one or more amendments hereto, solely to evidence the succession of another Person to Parent and the assumption by such successor of the covenants of Parent herein as provided in Section 7.3.

(b) Without the consent of any Holders, Parent, when authorized by a Board Resolution and the Rights Agent, in the Rights Agent's sole and absolute discretion, at any time and from time to time, may enter into one or more amendments hereto, solely for any of the following purposes:

(i) to evidence the succession of another Person as a successor Rights Agent and the assumption by such successor of the covenants and obligations of the Rights Agent herein;

(ii) to add to the covenants of Parent such further covenants, restrictions, conditions or provisions as Parent and the Rights Agent consider to be for the protection of the Holders; provided that, in each case, such provisions do not adversely affect the interests of the Holders;

(iii) to cure any ambiguity, to correct or supplement any provision herein that may be defective or inconsistent with any other provision herein, or to make any other provisions with respect to matters or questions arising under this Agreement; provided that, in each case, such provisions do not adversely affect the interests of the Holders;

(iv) as may be necessary or appropriate to ensure that the CVRs are not subject to registration under the Securities Act or the Exchange Act;

(v) to reduce the number of CVRs, in the event any Holder agrees to renounce such Holder's rights under this Agreement in accordance with Section 7.4 or to transfer such CVRs to Parent pursuant to Section 2.6; or

(vi) any other amendments hereto for the purpose of adding, eliminating or changing any provisions of this Agreement, unless such addition, elimination or change is adverse to the interests of the Holders.

(c) Promptly after the execution by Parent and the Rights Agent of any amendment pursuant to the provisions of this Section 5.1, Parent will mail (or cause the Rights Agent to mail) a notice thereof by first class mail to each Holder at its address as it appears on the CVR Register, setting forth such amendment. The failure to deliver such notice, or any defect in such notice, shall not impair or affect the validity of such amendment to this Agreement.

5.2 Amendments with Consent of Holders.

(a) Subject to Section 5.1 (which amendments pursuant to Section 5.1 may be made without the consent of the Holders), with the consent of the Acting Holders, whether evidenced in writing or taken at a meeting of the Holders, Holders' Representative, Parent, when authorized by a Board Resolution, and the Rights Agent may enter into one or more amendments hereto for the purpose of adding, eliminating or changing any provisions of this Agreement, even if such addition, elimination or change is materially adverse to the interest of the Holders, including any amendment to effect any of the following:

(i) modify in a manner adverse to the Holders (A) any provision contained herein with respect to the termination of this Agreement or the CVRs, (B) the time for, and amount of, any payment to be made to the Holders pursuant to this Agreement, or (C) the definitions of Net Proceeds or Net Sales Proceeds, including related definitions, such as Gross Consideration, Permitted Deductions, SARD Deal, SARD Technology, SARD Compound, SARD Product, SARM Deal, SARM Technology, SARM Compound and SARM Product;

(ii) reduce the number of CVRs (except as provided in Section 5.1(b)(v)); or

(iii) modify any provisions of this Section 5.2, except to increase the percentage of Holders from whom consent is required or to provide that certain provisions of this Agreement cannot be modified or waived without the consent of the Holder of each outstanding CVR affected thereby.

(b) Promptly after the execution by Parent, the Holders' Representative and the Rights Agent of any amendment pursuant to the provisions of this Section 5.2, Parent will mail (or cause the Rights Agent to mail) a notice thereof by first class mail to each Holder at its address as it appears on the CVR Register, setting forth such amendment. The failure to deliver such notice, or any defect in such notice, shall not impair or affect the validity of such amendment to this Agreement.

5.3 Execution of Amendments. In executing any amendment permitted by this Section 5, the Rights Agent will be entitled to receive, and will be fully protected in relying upon, an opinion of counsel selected by Parent stating that the execution of such amendment is authorized or permitted by this Agreement. The Rights Agent may, but is not obligated to, enter into any such amendment that affects the Rights Agent's own rights, privileges, covenants or duties under this Agreement or otherwise. No supplement or amendment to this Agreement shall be effective unless duly executed by the Rights Agent.

5.4 Effect of Amendments. Upon the execution of any amendment under this Section 5, this Agreement will be modified in accordance therewith, such amendment will form a part of this Agreement for all purposes and every Holder will be bound thereby.

6. HOLDERS' REPRESENTATIVE

6.1 Appointment of Holders' Representative. To the extent valid and binding under applicable law, the Holders' Representative is hereby appointed, authorized and empowered to be the exclusive representative, agent and attorney-in-fact of each Holder, with full power of substitution, to make all decisions and determinations and to act (or not act) and execute, deliver and receive all agreements, documents, instruments and consents on behalf of and as agent for each Holder at any time in connection with, and that may be necessary or appropriate to accomplish the intent and implement the provisions of this Agreement and to facilitate the consummation of the transactions contemplated hereby, including without limitation for purposes of (i) negotiating and settling, on behalf of the Holders, any dispute that arises under this Agreement after the Effective Time, (ii) confirming the satisfaction of Parent's obligations under this Agreement and (iii) negotiating and settling matters with respect to the amounts to be paid to the Holders pursuant to this Agreement.

6.2 Authority. To the extent valid and binding under applicable law, the appointment of the Holders' Representative by the Holders upon the Effective Time is coupled with an interest and may not be revoked in whole or in part (including, without limitation, upon the death or incapacity of any stockholder). Subject to the prior qualifications, such appointment shall be binding upon the heirs, executors, administrators, estates, personal representatives, officers, directors, security holders, successors and assigns of each Holder. To the extent valid and binding under applicable law, all decisions of the Holders' Representative shall be final and binding on all Holders. Parent and the Rights Agent shall be entitled to rely upon, without

independent investigation, any act, notice, instruction or communication from the Holders' Representative and any document executed by the Holders' Representative on behalf of any Holder and shall be fully protected in connection with any action or inaction taken or omitted to be taken in reliance thereon, absent willful misconduct by Parent or the Rights Agent (as such willful misconduct is determined by a final, non-appealable judgment of a court of competent jurisdiction). The Holders' Representative shall not be responsible for any loss suffered by, or liability of any kind to, the Holders arising out of any act done or omitted by the Holders' Representative in connection with the acceptance or administration of the Holders' Representative's duties hereunder, unless such act or omission involves gross negligence or willful misconduct.

6.3 Successor Holders' Representative. The Holders' Representative may be removed for any reason or no reason by written consent of the Acting Holders. In the event that the Holders' Representative dies, becomes unable to perform his or her responsibilities hereunder or resigns or is removed from such position, the Acting Holders shall be authorized to and shall select another representative to fill such vacancy and such substituted representative shall be deemed to be the Holders' Representative for all purposes of this Agreement. The newly-appointed Holders' Representative shall notify Parent, the Rights Agent and any other appropriate Person in writing of his or her appointment, provide evidence that the Acting Holders approved such appointment and provide appropriate contact information for purposes of this Agreement. Parent and the Rights Agent shall be entitled to rely upon, without independent investigation, the identity and validity of such newly-appointed Holders' Representative as set forth in such written notice. In the event that within 30 days after the Holders' Representative dies, becomes unable to perform his or her responsibilities hereunder or resigns or is removed from such position, no successor Holders' Representative has been so selected, Parent shall cause the Rights Agent to notify the Person holding the largest quantity of the outstanding CVRs (and who is not Parent or, to the Rights Agent's actual knowledge, any Affiliate of Parent) that such Person is the successor Holders' Representative, and such Person shall be the successor Holders' Representative hereunder. If such Person notifies the Rights Agent in writing that such Person declines to serve, the Rights Agent shall forthwith notify the Person holding the next-largest quantity of the outstanding CVRs (and who is not Parent or, to the Rights Agent's actual knowledge, any Affiliate of Parent) that such next-largest-quantity Person is the successor Holders' Representative, and such next-largest-quantity Person shall be the successor Holders' Representative hereunder. (And so on, to the extent as may be necessary.) The Holders are intended third party beneficiaries of this Section 6.3. If a successor Holders' Representative is not appointed pursuant to the preceding procedure within 60 days after the Holders' Representative dies, becomes unable to perform his or her responsibilities hereunder or resigns or is removed from such position, Parent shall appoint a successor Holders' Representative.

6.4 Termination of Duties and Obligations. The Holders' Representative's duties and obligations under this Agreement shall survive until no CVRs remain outstanding or until this Agreement expires or is terminated pursuant to Section 7.7(b), whichever is earlier.

7. OTHER PROVISIONS OF GENERAL APPLICATION

7.1 Notices to Rights Agent, Parent and Holders' Representative. All notices and other communications hereunder shall be in writing and shall be deemed to have been duly

delivered and received hereunder (a) one Business Day after being sent for next Business Day delivery, fees prepaid, via a reputable international overnight courier service, (b) upon delivery in the case of delivery by hand, or (c) on the date delivered if sent by email (with a written or electronic confirmation of delivery) prior to 5:00 p.m. Pacific time, otherwise on the next succeeding Business Day, in each case to the intended recipient as set forth below:

If to the Rights Agent, to it at:

Computershare Inc.
80 Washington Boulevard
Jersey City, NJ, 07310
Attn: Legal Department
Email: []

With a copy to:

If to Parent, to it at:

GTX, Inc.
3525 Del Mar Heights Road #821
San Diego, CA 92130-2122
Attn: James Breitmeyer, President & CEO
Fax: (858) 408-3010

With a copy to:

Latham & Watkins LLP
12670 High Bluff Drive
San Diego, CA 92130
Attention: Cheston J. Larson
Email: cheston.larson@lw.com

If to the Holders' Representative, to him at:

Marc S. Hanover
5597 St. Joseph Fairway
Memphis, TN 38120

With a copy to:

Henry P. Doggrell

The Rights Agent, Parent or the Holders' Representative may specify a different address or electronic mail address by giving notice in accordance with this Section 7.1.

7.2 Notice to Holders. Where this Agreement provides for notice to Holders, such notice will be sufficiently given (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to each Holder affected by such event, at the Holder's address as it appears in the CVR Register, not later than the latest date, and not earlier than the earliest date, if any, prescribed for the giving of such notice. In any case where notice to Holders is given by mail, neither the failure to mail such notice, nor any defect in any notice so mailed, to any particular Holder will affect the sufficiency of such notice with respect to other Holders.

7.3 Parent Successors and Assigns; Merger of Rights Agent.

(a) Parent may not assign this Agreement without the prior written consent of the Holders' Representative, provided that (a) Parent may assign, in its sole discretion and without the consent of any other party, any or all of its rights, interests and obligations hereunder to one or more direct or indirect wholly-owned subsidiaries of Parent (each, an "**Assignee**") provided that the Assignee agrees to assume and be bound by all of the terms of this Agreement; provided, however, that in connection with any assignment to an Assignee, Parent shall, and shall agree to, remain liable for the performance by such Assignee of all obligations of Parent hereunder, with such Assignee substituted for Parent under this Agreement, and (b) Parent may assign this Agreement in its entirety without the consent of any other party to its successor in interest in connection with the sale of all or substantially all of its assets or of its stock, or in connection with a merger, acquisition or similar transaction (such successor in interest, the "**Acquiror**", and such transaction, the "**Acquisition**"). This Agreement will be binding upon, inure to the benefit of and be enforceable by Parent's successors, acquirers and each Assignee. Each reference to "Parent" in this Agreement shall be deemed to include Parent's successors, acquirers and all Assignees. Each of Parent's successors, acquirers and assigns shall expressly assume by an instrument supplemental hereto, executed and delivered to the Rights Agent, the due and punctual payment of the CVR Payments and the due and punctual performance and observance of all of the covenants and obligations of this Agreement to be performed or observed by Parent.

(b) Any Person into which the Rights Agent or any successor Rights Agent may be merged or with which it may be consolidated, or any Person resulting from any merger or consolidation to which the Rights Agent or any successor Rights Agent shall be a party, or any Person succeeding to the stock transfer or other shareholder services business of the Rights Agent or any successor Rights Agent, shall be the successor to the Rights Agent under this Agreement without the execution or filing of any paper or any further act on the part of any of the parties hereto, provided that such Person would be eligible for appointment as a successor Rights Agent under the provisions of the Agreement. The purchase of all or substantially all of the Rights Agent's assets employed in the performance of transfer agent activities shall be deemed a merger or consolidation for purposes of this Section 7.3(b).

7.4 Benefits of Agreement. Nothing in this Agreement, express or implied, will give to any Person (other than the Rights Agent, Parent, Parent's successors and assignees, and the Holders) any benefit or any legal or equitable right, remedy or claim under this Agreement or under any covenant or provision herein contained, all such covenants and provisions being for the sole benefit of the Rights Agent, Parent, Parent's successors and assignees, and the Holders. The rights of Holders are limited to those expressly provided in this Agreement and the Merger Agreement. Notwithstanding anything to the contrary contained herein, any Holder may agree to renounce, in whole or in part, such Holder's rights under this Agreement by written notice to the Rights Agent and Parent, which notice, if given, shall be irrevocable. In such event, such Holder's CVRs will not be included for determining the Payment Amounts to all other Holders.

7.5 Severability. If any provision of this Agreement is held invalid or unenforceable by any court of competent jurisdiction, the other provisions of this Agreement shall remain in full force and effect. Any provision of this Agreement held invalid or unenforceable only in part or degree shall remain in full force and effect to the extent not held invalid or unenforceable. The parties further agree to replace such invalid or unenforceable provision of this Agreement with a valid and enforceable provision that will achieve, to the extent possible, the economic, business and other purposes of such invalid or unenforceable provision; provided, however, that if such excluded provision shall affect the rights, immunities, liabilities, duties or obligations of the Rights Agent, the Rights Agent shall be entitled to resign immediately upon written notice to the Parent.

7.6 Counterparts and Signature. This Agreement may be executed in two or more counterparts (including by electronic scan delivered by electronic mail), each of which shall be deemed an original but all of which together shall be considered one and the same agreement and shall become effective when counterparts have been signed by each of the Parties hereto and delivered to the other Party, it being understood that the Parties need not sign the same counterpart.

7.7 Termination.

(a) This Agreement will expire and be of no force or effect, the Parties hereto will have no liability hereunder (other than with respect to monies due and owing by Parent to Rights Agent or any other rights of the Rights Agent which expressly survive the termination of this Agreement), and no additional payments will be required to be made, upon the payment of the full amount of all CVR Payments to the Rights Agent and the payment of the full amount of all Payment Amounts to the Holders by the mailing by the Rights Agent of each applicable Payment Amount to each Holder at the address reflected in the CVR Register.

(b) This Agreement will terminate automatically upon termination of the Merger Agreement prior to the Effective Time.

7.8 Funds. All funds received by the Rights Agent under this Agreement that are to be distributed or applied by the Rights Agent in the performance of services hereunder (the "**Funds**") shall be held by the Rights Agent as agent for the Parent and deposited in one or more bank accounts to be maintained by the Rights Agent in its name as agent for the Parent. Until paid pursuant to the terms of this Agreement, the Rights Agent will hold the Funds through such

accounts in: deposit accounts of commercial banks with Tier 1 capital exceeding \$1 billion or with an average rating above investment grade by S&P (LT Local Issuer Credit Rating), Moody's (Long Term Rating) and Fitch Ratings, Inc. (LT Issuer Default Rating) (each as reported by Bloomberg Finance L.P.). The Rights Agent shall have no responsibility or liability for any diminution of the Funds that may result from any deposit made by the Rights Agent in accordance with this paragraph, including any losses resulting from a default by any bank, financial institution or other Third Party. The Rights Agent may from time to time receive interest, dividends or other earnings in connection with such deposits. The Rights Agent shall not be obligated to pay such interest, dividends or earnings to the Parent, any Holder or any other party.

7.9 Entire Agreement. Notwithstanding the reference to any other agreement hereunder, this Agreement contains the entire understanding of the parties hereto and thereto with reference to the transactions and matters contemplated hereby and thereby and supersedes all prior agreements, written or oral, among the parties with respect hereto and thereto. If and to the extent that any provision of this Agreement is inconsistent or conflicts with the Merger Agreement, this Agreement will govern and control.

7.10 Applicable Law; Jurisdiction. This Agreement shall be governed by, and construed in accordance with, the laws of the State of Delaware, regardless of the laws that might otherwise govern under applicable principles of conflicts of laws. In any action or proceeding between the Parties arising out of or relating to this Agreement, each Party: (a) irrevocably and unconditionally consents and submits to the exclusive jurisdiction and venue of the Court of Chancery of the State of Delaware or, to the extent such court does not have subject matter jurisdiction, the United States District Court for the District of Delaware or, to the extent that neither of the foregoing courts has jurisdiction, the Superior Court of the State of Delaware; (b) agrees that all claims in respect of such action or proceeding shall be heard and determined exclusively in accordance with clause (a) of this Section 7.9; (c) waives any objection to laying venue in any such action or proceeding in such courts; (d) waives any objection that such courts are an inconvenient forum or do not have jurisdiction over any party; (e) agrees that service of process upon such party in any such action or proceeding shall be effective if notice is given in accordance with Section 7.1 of this Agreement; and (f) irrevocably and unconditionally waives the right to trial by jury.

{Remainder of page intentionally left blank}

IN WITNESS WHEREOF, each of the Parties has caused this Contingent Value Rights Agreement to be executed on its behalf by its duly authorized officers, and the Holders' Representative has executed this Contingent Value Rights Agreement, as of the day and year first above written.

GTX, INC.

By:

Name:

Title:

COMPUTERSHARE INC.

By:

Name:

Title:

MARC S. HANOVER

By:

VOTING AGREEMENT

This VOTING AGREEMENT (this “**Agreement**”) is entered into as of March , 2019, among GTX, Inc., a Delaware corporation (“**Parent**”), Oncternal Therapeutics, Inc., a Delaware corporation (the “**Company**”) and the undersigned (the “**Stockholder**”).

WHEREAS, as of the date hereof, the Stockholder is the sole record and beneficial owner of and has the sole power to vote (or to direct the voting of) the number of shares of common stock, par value \$0.001 per share (the “**Common Shares**”) of Parent, set forth opposite the Stockholder’s name on Schedule I hereto (such Common Shares together with any other shares of Parent (“**Shares**”) the voting power of which is acquired by such Stockholder during the period from the date hereof through the date on which this Agreement is terminated in accordance with its terms (such period, the “**Voting Period**”), are collectively referred to herein as the “**Subject Shares**”);

WHEREAS, Oncternal Therapeutics, Inc. (the “**Company**”), Parent, Grizzly Merger Sub Inc., a Delaware corporation and a wholly-owned subsidiary of Parent (“**Merger Sub**”) are concurrently entering into an Agreement and Plan of Merger and Reorganization, dated on or about the date hereof (as amended from time to time, the “**Merger Agreement**”), pursuant to which Merger Sub shall be merged with and into the Company, with the Company continuing as the surviving corporation thereafter (the “**Merger**”);

WHEREAS, the adoption of the Merger Agreement and the transactions contemplated thereby requires the affirmative vote of the holders of a majority in voting power of the outstanding shares of Parent Common Stock outstanding on the applicable record date; and

WHEREAS, as an inducement to the Company’s and Parent’s willingness to enter into the Merger Agreement and consummate the transactions contemplated thereby, transactions from which the Stockholder believes it will derive substantial benefits through its ownership interest in the combined company, the Stockholder is entering into this Agreement.

NOW, THEREFORE, in consideration of the foregoing and the respective representations, warranties, covenants and agreements set forth herein, the parties agree as follows:

ARTICLE I

DEFINITIONS

SECTION 1.1 Capitalized Terms. For purposes of this Agreement, capitalized terms used and not defined herein shall have the respective meanings ascribed to them in the Merger Agreement.

ARTICLE II

VOTING AGREEMENT AND IRREVOCABLE PROXY

SECTION 2.1 Agreement to Vote. The Stockholder hereby agrees that, during the Voting Period, and at any duly called meeting of the stockholders of Parent (or any adjournment or postponement thereof), or in any other circumstances (including action by written consent of stockholders in lieu of a meeting) upon which a vote, adoption or other approval or consent with respect to the adoption of the Merger Agreement or the approval of the Merger and any of the transactions contemplated thereby is sought, the Stockholder shall, if a meeting is held, appear at the meeting, in person or by proxy, and shall provide a written consent or vote (or cause to be voted), in person or by proxy, all its Subject Shares, in each case (i) in favor of (A) any proposal to adopt and approve or reapprove the Merger Agreement and the transactions contemplated thereby, including without limitation (1) the amendment of Parent's certificate of incorporation to effect the Nasdaq Reverse Split, (2) the issuance of shares of Parent Common Stock to the Company's stockholders in connection with the Contemplated Transactions, (3) the change of control of Parent resulting from the Merger pursuant to the Nasdaq rules, (4) the amendment to the Parent's certificate of incorporation to change the name of Parent to "Oncternal Therapeutics, Inc.", (5) the adoption and approval of the 2019 Plan, and (6) in accordance with Section 14A of the Exchange Act and the applicable SEC rules issued thereunder, the approval of a proposal to the Parent's stockholders for a non-binding, advisory vote to approve certain compensation that may become payable to Parent's named executive officers in connection with the completion of the Merger, if applicable and (B) waiving any notice that may have been or may be required relating to the Merger or any of the other transactions contemplated by the Merger Agreement, and (ii) against (X) any Acquisition Proposal and any action in furtherance of any such Acquisition Proposal, and (Y) any action, proposal, transaction or agreement that, to the knowledge of the Stockholder, would reasonably be expected to result in a material breach of any covenant, representation or warranty or any other obligation or agreement of the Stockholder under this Agreement. As used herein, the term "**Expiration Time**" shall mean the earliest occurrence of (A) the Effective Time, (B) the date and time of the valid termination of the Merger Agreement in accordance with its terms, and the term "**Voting Period**" shall mean such period of time between the date hereof and the Expiration Time.

SECTION 2.2 Grant of Irrevocable Proxy. The Stockholder hereby appoints Parent and any designee of Parent, and each of them individually, as the Stockholder's proxy, with full power of substitution and resubstitution, to vote, including by executing written consents, during the Voting Period with respect to any and all of the Subject Shares on the matters and in the manner specified in Section 2.1. The Stockholder shall take all further action or execute such other instruments as may be necessary to effectuate the intent of any such proxy. The Stockholder affirms that the irrevocable proxy given by it hereby with respect to the Merger Agreement and the transactions contemplated thereby is given to Parent by the Stockholder to secure the performance of the obligations of the Stockholder under this Agreement. It is agreed that Parent (and its officers on behalf of Parent) will use the irrevocable proxy that is granted by the Stockholder hereby only in accordance with applicable Laws and that, to the extent Parent (and its officers on behalf of Parent) uses such irrevocable proxy, it will only vote (or sign written consents in respect of) the Subject Shares subject to such irrevocable proxy with respect

to the matters specified in, and in accordance with the provisions of, Section 2.1.

SECTION 2.3 Nature of Irrevocable Proxy. The proxy granted pursuant to Section 2.2 to Parent by the Stockholder shall be irrevocable during the term of this Agreement, shall be deemed to be coupled with an interest sufficient in law to support an irrevocable proxy and shall revoke any and all prior proxies or powers of attorney granted by the Stockholder and no subsequent proxy or power of attorney shall be given or written consent executed (and if given or executed, shall not be effective) by the Stockholder with respect thereto. The proxy that may be granted hereunder shall terminate upon the termination of this Agreement, but shall survive the death or incapacity of the Stockholder and any obligation of the Stockholder under this Agreement shall be binding upon the heirs, personal representatives and successors of the Stockholder.

ARTICLE III

COVENANTS

SECTION 3.1 Subject Shares.

(a) The Stockholder agrees that (i) from the date hereof until the Effective Time, it shall not, and shall not commit or agree to, without the prior written consent of Parent and the Company, directly or indirectly, whether by merger, consolidation or otherwise, offer for sale, sell (including short sales), transfer, tender, pledge, encumber, assign or otherwise dispose of (including by gift or by operation of law) (collectively, a "**Transfer**"), or enter into any contract, option, derivative, hedging or other agreement or arrangement or understanding (including any profit-sharing arrangement) with respect to, or consent to or permit, a Transfer of, any or all of the Subject Shares or any interest therein; and (ii) during the Voting Period, it shall not, and shall not commit or agree to, without the prior written consent of Parent and the Company, (A) grant any proxies or powers of attorney with respect to any or all of the Subject Shares or agree to vote (or sign written consents in respect of) the Subject Shares on any matter or divest itself of any voting rights in the Subject Shares, or (B) take any action that would have the effect of preventing or disabling the Stockholder from performing its obligations under this Agreement. Notwithstanding the foregoing, the Stockholder may (1) make transfers or dispositions of the Subject Shares to any member of the immediate family of the Stockholders or to any trust for the direct or indirect benefit of the Stockholder or the immediate family of the Stockholder, (2) make transfers or dispositions of the Subject Shares by will, other testamentary document or intestate succession to the legal representative, heir, beneficiary or a member of the immediate family of the Stockholder, (3) make transfers of the Subject Shares to stockholders, direct or indirect affiliates (within the meaning set forth in Rule 405 under the Securities Act of 1933, as amended), current or former partners (general or limited), members or managers of the Stockholder, as applicable, or to the estates of any such stockholders, affiliates, partners, members or managers, or to another corporation, partnership, limited liability company or other business entity that controls, is controlled by or is under common control with the Stockholder, (4) make transfers that occur by operation of law pursuant to a qualified domestic relations order or in connection with a divorce settlement, (5) make transfers or dispositions not involving a change in beneficial ownership (including voting rights) and (6) if the Stockholder is a trust, make transfers or dispositions to any beneficiary of the Stockholder or the estate of any such

beneficiary. The Stockholder agrees that any Transfer of Subject Shares not permitted hereby shall be null and void and that any such prohibited Transfer shall be enjoined. If any voluntary or involuntary transfer of any Subject Shares covered hereby shall occur (including, but not limited to, a sale by the Stockholder's trustee in bankruptcy, or a sale to a purchaser at any creditor's or court sale), the transferee (which term, as used herein, shall include any and all transferees and subsequent transferees of the initial transferee) shall take and hold such Subject Shares subject to all of the restrictions, liabilities and rights under this Agreement, which shall continue in full force and effect.

(b) In the event of a stock dividend or distribution, or any change in the Subject Shares by reason of any stock dividend or distribution, split-up, recapitalization, combination, conversion, exchange of shares or the like, the term "Subject Shares" shall be deemed to refer to and include the Subject Shares as well as all such stock dividends and distributions and any securities into which or for which any or all of the Subject Shares may be changed or exchanged or which are received in such transaction. The Stockholder further agrees that, in the event Stockholder purchases or otherwise acquires beneficial or record ownership of or an interest in, or acquires the right to vote or share in the voting of, any additional Shares, in each case after the execution of this Agreement, the Stockholder shall deliver promptly to Parent written notice of such event, which notice shall state the number of additional Shares so acquired. The Stockholder agrees that any such additional Shares shall be subject to the terms of this Agreement, including all covenants, agreements, obligations, representations and warranties set forth herein as if those additional shares were owned by the Stockholder on the date of this Agreement.

SECTION 3.2 Stockholder's Capacity. All agreements and understandings made herein shall be made solely in the Stockholder's capacity as a holder of the Subject Shares and not in any other capacity.

SECTION 3.3 Other Offers. Except to the extent Parent is permitted to take such action pursuant to the Merger Agreement, neither the Stockholder (in the Stockholder's capacity as such), shall, nor shall the Stockholder authorize or permit any of its Representatives to, take any of the following actions: (i) solicit, initiate, knowingly encourage or knowingly facilitate an Acquisition Proposal, (ii) furnish any non-public information regarding Parent to any Person in connection with or in response to an Acquisition Proposal, (iii) engage in, enter into, continue or otherwise participate in any discussions or negotiations with any Person with respect to, or otherwise knowingly cooperate in any way with any person (or any representative thereof) with respect to, any Acquisition Proposal, (iv) approve, endorse or recommend or propose to approve, endorse or recommend, any Acquisition Proposal or (v) enter into any letter of intent or similar document or any Contract contemplating, approving, endorsing or recommending or proposing to approve, endorse or recommend, any Acquisition Transaction or accepting any Acquisition Proposal; provided, however, that none of the foregoing restrictions shall apply to the Stockholder's and its Representatives' interactions with Parent, Merger Sub, the Company and their respective subsidiaries and representatives. Without limiting the foregoing, it is understood that any violation of the foregoing restrictions by any Representatives of the Stockholder shall be deemed to be a breach of this Section 3.3 by the Stockholder. The Stockholder shall, and shall use reasonable best efforts to cause its Representatives to,

immediately cease any and all existing discussions or negotiations with any Persons conducted heretofore with respect to any Acquisition Proposal.

SECTION 3.4 Communications. During the Voting Period, the Stockholder shall not, and shall use its reasonable best efforts to cause its Representatives, if any, not to, directly or indirectly, make any press release, public announcement or other public communication that criticizes or disparages this Agreement or the Merger Agreement or any of the transactions contemplated hereby and thereby, without the prior written consent of Parent and the Company, provided that the foregoing shall not limit or affect any actions taken by the Stockholder (or any affiliated officer or director of Stockholder) that would be permitted to be taken by Stockholder pursuant to the Merger Agreement. The Stockholder hereby (i) consents to and authorizes the publication and disclosure by Parent, Merger Sub and the Company (including in any publicly filed documents relating to the Merger or any transaction contemplated by the Merger Agreement) of: (a) the Stockholder's identity; (b) the Stockholder's beneficial ownership of the Subject Shares; (c) this Agreement; and (d) the nature of the Stockholder's commitments, arrangements and understandings under this Agreement, and any other information that Parent, Merger Sub or the Company determines to be necessary in any SEC disclosure document in connection with the Merger or any transactions contemplated by the Merger Agreement and (ii) agrees as promptly as practicable to notify Parent, Merger Sub and the Company of any required corrections with respect to any written information supplied by the Stockholder specifically for use in any such disclosure document.

SECTION 3.5 Voting Trusts. The Stockholder agrees that it will not, nor will it permit any entity under its control to, deposit any of its Subject Shares in a voting trust or subject any of its Subject Shares to any arrangement with respect to the voting of such Subject Shares other than as provided herein.

SECTION 3.6 Waiver of Appraisal Rights. The Stockholder hereby irrevocably and unconditionally waives, and agrees not to assert, exercise or perfect (or attempt to exercise, assert or perfect) any rights of appraisal or rights to dissent from the Merger or quasi-appraisal rights that it may at any time have under applicable Laws, including Section 262 of the DGCL. The Stockholder agrees not to commence, join in, facilitate, assist or encourage, and agrees to take all actions necessary to opt out of any class in any class action with respect to, any claim, derivative or otherwise, against Parent, Merger Sub, the Company or any of their respective successors, directors or officers, (a) challenging the validity, binding nature or enforceability of, or seeking to enjoin the operation of, this Agreement or the Merger Agreement, or (b) alleging a breach of any fiduciary duty of any Person in connection with the evaluation, negotiation, entry into or consummation of the Merger Agreement.

ARTICLE IV

REPRESENTATIONS AND WARRANTIES OF STOCKHOLDER

The Stockholder hereby represents and warrants to Parent as follows:

SECTION 4.1 Due Authorization, etc. The Stockholder is a natural person,

corporation, limited partnership or limited liability company. If the Stockholder is a corporation, limited partnership or limited liability company, Stockholder is an entity duly organized, validly existing and in good standing under the laws of the jurisdiction in which it is incorporated, organized or constituted. The Stockholder has all necessary power and authority to execute and deliver this Agreement, perform the Stockholder's obligations hereunder and to consummate the transactions contemplated hereby. The execution and delivery of this Agreement, the performance of the Stockholders' obligations hereunder and the consummation of the transactions contemplated hereby by the Stockholder have been duly authorized by all necessary action on the part of the Stockholder and no other proceedings on the part of the Stockholder are necessary to authorize this Agreement, or to consummate the transactions contemplated hereby. This Agreement has been duly executed and delivered by the Stockholder and (assuming the due authorization, execution and delivery by Parent and the Company) constitutes a valid and binding obligation of the Stockholder, enforceable against the Stockholder in accordance with its terms, except to the extent enforcement is limited by bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar Laws of general applicability relating to or affecting creditors' rights and by general equitable principles.

SECTION 4.2 Ownership of Shares. Schedule I hereto sets forth opposite the Stockholder's name the Shares over which the Stockholder has sole record and beneficial ownership as of the date hereof. As of the date hereof, the Stockholder is the lawful owner of the Shares denoted as being owned by the Stockholder on Schedule I hereto, has the sole power to vote or cause to be voted such Shares and has the sole power to dispose of or cause to be disposed such Shares (other than, if Stockholder is a partnership or a limited liability company, the rights and interest of persons and entities that own partnership interests or units in Stockholder under the partnership agreement or operating agreement governing Stockholder and applicable partnership or limited liability company law, or if Stockholder is a married individual and resides in a state with community property laws, the community property interest of his or her spouse to the extent applicable under such community property laws, which spouse hereby consents to this Agreement by executing the spousal consent attached hereto). The Stockholder has, and will at all times up until the Expiration Time have, good and valid title to the Shares denoted as being owned by the Stockholder on Schedule I hereto, free and clear of any and all pledges, mortgages, liens, charges, proxies, voting agreements, encumbrances, adverse claims, options, security interests and demands of any nature or kind whatsoever, other than (i) those created by this Agreement, or (ii) those existing under applicable securities laws.

SECTION 4.3 No Conflicts. (a) No filing with any Governmental Body, and no authorization, consent or approval of any other person is necessary for the execution of this Agreement by the Stockholder and (b) none of the execution and delivery of this Agreement by the Stockholder, the performance of the Stockholder's obligations hereunder, the consummation by the Stockholder of the transactions contemplated hereby or compliance by the Stockholder with any of the provisions hereof shall (i) conflict with or result in any breach of the organizational documents of the Stockholder, (ii) result in, or give rise to, a violation or breach of or a default under any of the terms of any material contract, understanding, agreement or other instrument or obligation to which the Stockholder is a party or by which the Stockholder or any of the Subject Shares or its assets may be bound or (iii) violate any applicable order, writ, injunction, decree, judgment, statute, rule or regulation, except for any of the foregoing as would not reasonably be expected to impair the Stockholder's ability to perform its obligations under

this Agreement.

SECTION 4.4 Finder's Fees. No investment banker, broker, finder or other intermediary is entitled to a fee or commission from Parent, Merger Sub or the Company in respect of this Agreement based upon any Contract made by or on behalf of the Stockholder, solely in the Stockholder's capacity as a stockholder of Parent.

SECTION 4.5 No Litigation. As of the date of this Agreement, there is no Legal Proceeding pending or, to the knowledge of the Stockholder, threatened against the Stockholder that would reasonably be expected to impair the ability of the Stockholder to perform its obligations hereunder or consummate the transactions contemplated hereby.

ARTICLE V

TERMINATION

SECTION 5.1 Termination. This Agreement shall automatically terminate, and none of Parent, the Company or the Stockholder shall have any rights or obligations hereunder and this Agreement shall become null and void and have no effect upon the earliest to occur of: (a) the Effective Time; and (b) the valid termination of the Merger Agreement in accordance with its terms. The parties acknowledge that upon termination of this Agreement as permitted under and in accordance with the terms of this Article VI, no party to this Agreement shall have the right to recover any claim with respect to any losses suffered by such party in connection with such termination, except that, subject to Section 6.11, the termination of this Agreement shall not relieve any party to this Agreement from liability for such party's intentional breach of any terms of this Agreement. Notwithstanding anything to the contrary herein, the provisions of this Article V and Article VI shall survive the termination of this Agreement.

ARTICLE VI

MISCELLANEOUS

SECTION 6.1 Further Actions. Subject to the terms and conditions set forth in this Agreement, the Stockholder agrees to take any all actions and to do all things reasonably necessary to effectuate this Agreement. If the Stockholder is a married individual, his or her spouse shall deliver the spousal consent attached hereto unless such Stockholder can demonstrate to Parent's and the Company's reasonable satisfaction that his or her spouse does not have any community property interests in the Subject Shares.

SECTION 6.2 Fees and Expenses. Except as otherwise specifically provided herein, each party shall bear its own expenses in connection with this Agreement and the transactions contemplated hereby.

SECTION 6.3 Amendments, Waivers, etc. This Agreement may not be amended except by an instrument in writing signed by the parties hereto and specifically referencing this Agreement. The failure of any party to assert any rights or remedies shall not constitute a waiver of such rights or remedies.

SECTION 6.4 Notices. Any notice, request, instruction or other document required to be given hereunder shall be sufficient if in writing, and sent by confirmed electronic mail transmission of a “portable document format” (“.pdf”) attachment (provided that any notice received by electronic mail transmission or otherwise at the addressee’s location on any business day after 5:00 p.m. (addressee’s local time) shall be deemed to have been received at 9:00 a.m. (addressee’s local time) on the next business day), by reliable overnight delivery service (with proof of service), or hand delivery, addressed as follows:

If to Parent, to

GTx, Inc.
175 Toyota Plaza, 7th Floor
Memphis, TN 38103
Attn: Marc S. Hanover; Henry P. Doggrell
E-Mail: mhanover@gtxinc.com; hdoggrell@gtxinc.com

with a copy to (which shall not constitute notice):

Cooley LLP
101 California Street, 5th Floor
San Francisco, CA 94111-5800
Attention: Chadwick Mills, Laura Medina, Kassendra Galindo
Email: cmills@cooley.com, lmedina@cooley.com, kgalindo@cooley.com

If to Company, to

Oncternal Therapeutics, Inc.
3525 Del Mar Heights Rd., #821
San Diego, CA 92130
Attention: James Breitmeyer, President & CEO
Email: jbreitmeyer@oncternal.com

with a copy to (which shall not constitute notice):

Latham & Watkins LLP
12670 High Bluff Drive
San Diego, CA 92130
Attention: Cheston J. Larson
Email: cheston.larson@lw.com

If to the Stockholder, to the address or electronic mail address set forth on the signature pages hereto, or to such other person or address as any party shall specify by written notice so given.

SECTION 6.5 Headings. Headings of the Articles and Sections of this

Agreement are for convenience of the parties only, and shall be given no substantive or interpretive effect whatsoever.

SECTION 6.6 Severability. The provisions of this Agreement shall be deemed severable and the invalidity or unenforceability of any provision shall not affect the validity or enforceability of the other provisions hereof. If any provision of this Agreement, or the application of such provision to any person or any circumstance, is invalid or unenforceable (a) a suitable and equitable provision shall be substituted therefor in order to carry out, so far as may be valid and enforceable, the intent and purpose of such invalid or unenforceable provision and (b) the remainder of this Agreement and the application of such provision to other persons or circumstances shall not be affected by such invalidity or unenforceability, nor shall such invalidity or unenforceability affect the validity or enforceability of such provision, or the application of such provision, in any other jurisdiction.

SECTION 6.7 Entire Agreement; Assignment. This Agreement constitutes the entire agreement, and supersedes all other prior agreements and understandings, both written and oral, between the parties, or any of them, with respect to the subject matter hereof. Neither this Agreement nor any of the rights, interests or obligations hereunder shall be assigned by any of the parties hereto (whether by operation of law or otherwise) without the prior written consent of the other parties, except that without consent Parent and the Company may assign all or any of its rights and obligations hereunder to any of their respective Affiliates that assume the rights and obligations of Parent or the Company, respectively, under the Merger Agreement. Subject to the preceding two sentences, this Agreement will be binding upon, inure to the benefit of and be enforceable by the parties hereto and their respective successors and permitted assigns. Notwithstanding anything to the contrary set forth herein, the Stockholder agrees that this Agreement and the obligations hereunder shall be binding upon any Person to which record or beneficial ownership of the Stockholder's Subject Shares shall pass, whether by operation or law or otherwise, including the Stockholder's heirs, guardians, administrators or successors and assigns, and the Stockholder agrees to take all actions necessary to effect the foregoing.

SECTION 6.8 Governing Law. THIS AGREEMENT AND ALL QUESTIONS RELATING TO THE INTERPRETATION OR ENFORCEMENT OF THIS AGREEMENT SHALL BE DEEMED TO BE MADE IN AND IN ALL RESPECTS SHALL BE INTERPRETED, CONSTRUED AND GOVERNED BY AND IN ACCORDANCE WITH THE LAW OF THE STATE OF DELAWARE WITHOUT REGARD TO THE CONFLICTS OF LAW PRINCIPLES THEREOF TO THE EXTENT THAT SUCH PRINCIPLES WOULD DIRECT A MATTER TO ANOTHER JURISDICTION.

SECTION 6.9 Specific Performance. The Stockholder acknowledges that any breach of this Agreement would give rise to irreparable harm for which monetary damages would not be an adequate remedy and each of the Company and Parent shall be entitled to a decree of specific performance and to temporary, preliminary and permanent injunctive relief to prevent breaches or threatened breaches of any of the provisions of this Agreement, without the necessity of proving the inadequacy of monetary damages as a remedy, which shall be the sole and exclusive remedy for any such breach.

SECTION 6.10 Submission to Jurisdiction. The parties hereby irrevocably submit to the exclusive personal jurisdiction of the Court of Chancery of the State of Delaware, or, if the Chancery Court declines jurisdiction, the United States District Court for the District of Delaware or the courts of the State of Delaware solely in respect of the interpretation and enforcement of the provisions of this Agreement and hereby waive, and agree not to assert, as a defense in any action, suit or proceeding for the interpretation or enforcement hereof, that it is not subject thereto or that such action, suit or proceeding may not be brought or is not maintainable in said courts or that the venue thereof may not be appropriate or that this Agreement may not be enforced in or by such courts, and the parties hereto irrevocably agree that all claims relating to such action, suit or proceeding shall be heard and determined in such courts. The parties hereby consent to and grant any such court jurisdiction over the person of such parties and, to the extent permitted by law, over the subject matter of such dispute and agree that mailing of process or other papers in connection with any such action or proceeding in the manner provided in Section 6.4 or in such other manner as may be permitted by applicable Laws shall be valid and sufficient service thereof.

SECTION 6.11 Waiver of Jury Trial. EACH PARTY ACKNOWLEDGES AND AGREES THAT ANY CONTROVERSY WHICH MAY ARISE UNDER THIS AGREEMENT IS LIKELY TO INVOLVE COMPLICATED AND DIFFICULT ISSUES, AND THEREFORE EACH SUCH PARTY HEREBY IRREVOCABLY AND UNCONDITIONALLY WAIVES ANY RIGHT SUCH PARTY MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LITIGATION DIRECTLY OR INDIRECTLY ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED BY THIS AGREEMENT. EACH PARTY CERTIFIES AND ACKNOWLEDGES THAT (i) NO REPRESENTATIVE, AGENT OR ATTORNEY OF ANY OTHER PARTY HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT, IN THE EVENT OF LITIGATION, SEEK TO ENFORCE THE FOREGOING WAIVER, (ii) EACH PARTY UNDERSTANDS AND HAS CONSIDERED THE IMPLICATIONS OF THIS WAIVER, (iii) EACH PARTY MAKES THIS WAIVER VOLUNTARILY, AND (iv) EACH PARTY HAS BEEN INDUCED TO ENTER INTO THIS AGREEMENT BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION 6.11.

SECTION 6.12 Counterparts. This Agreement may be executed in two or more counterparts (including by facsimile transmission or other means of electronic transmission, such as by electronic mail in "pdf" form), each of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument, and shall become effective when one or more counterparts have been signed by each of the parties and delivered (by facsimile or otherwise) to the other parties.

IN WITNESS WHEREOF, Parent, the Company and the Stockholder have caused this Agreement to be duly executed as of the day and year first above written.

GTX, INC.

By: _____
Name:
Title:

ONCTERNAL THERAPEUTICS, INC.

By: _____
Name:
Title:

STOCKHOLDER

By: _____
Name:
Title:

Address:

Electronic Mail Address:

[Signature Page to Voting Agreement]

SPOUSAL CONSENT

I _____, spouse of _____, having the legal capacity, power and authority to do so, hereby confirm that I have read and approve the foregoing the Voting Agreement (the "**Agreement**"). In consideration of the terms and conditions as set forth in the Agreement, I hereby appoint my spouse as my attorney in fact with respect to the exercise of any rights and obligations under the Agreement, and agree to be bound by the provisions of the Agreement insofar as I may have any rights or obligations in the Agreement under the community property laws of the State of California or similar laws relating to marital or community property in effect in the state of our residence as of the date of the Agreement.

Name:

Date:

[Signature Page to Voting Agreement]

Schedule I

Ownership of Common Shares

Name and Address of Stockholder

Number of Common Shares

[Signature Page to Voting Agreement]

VOTING AGREEMENT

This VOTING AGREEMENT (this “**Agreement**”) is entered into as of March , 2019, among Oncternal Therapeutics, Inc., a Delaware corporation (“**Company**”), GTx, Inc., a Delaware corporation, and the undersigned (the “**Stockholder**”).

WHEREAS, as of the date hereof, the Stockholder is the sole record and beneficial owner of and has the sole power to vote (or to direct the voting of) the number of shares of Company Common Stock, par value \$0.0001 per share (the “**Common Shares**”) and the number of shares of Company Preferred Stock, par value \$0.0001 per share (the “**Preferred Shares**”) of Company, set forth opposite the Stockholder’s name on Schedule I hereto (such Common Shares and Preferred Shares, together with any other shares of the Company (“**Shares**”) the voting power of which is acquired by such Stockholder during the period from the date hereof through the date on which this Agreement is terminated in accordance with its terms (such period, the “**Voting Period**”), are collectively referred to herein as the “**Subject Shares**”);

WHEREAS, the Company, Parent, Grizzly Merger Sub Inc., a Delaware corporation and a wholly-owned subsidiary of Parent (“**Merger Sub**”) are concurrently entering into an Agreement and Plan of Merger and Reorganization, dated on or about the date hereof (as amended from time to time, the “**Merger Agreement**”), pursuant to which Merger Sub shall be merged with and into the Company, with the Company continuing as the surviving corporation thereafter (the “**Merger**”);

WHEREAS, the adoption of the Merger Agreement and the transactions contemplated thereby requires the written consent or affirmative vote of the holders of a (i) a majority of the Common Shares and Preferred Shares, voting together as a single class, (ii) at least 60% of the Preferred Shares, voting together as a single class, (iii) a majority of the shares of Series A Preferred Stock, (iv) a majority of the outstanding shares of Series B Preferred Stock and Series B-2 Preferred Stock, voting together as a single class, and (v) at least 70% of the shares of Series C Preferred Stock, in each case, outstanding on the record date for the Company Stockholder Written Consent and entitled to vote thereon; and

WHEREAS, as an inducement to the Company’s and Parent’s willingness to enter into the Merger Agreement and consummate the transactions contemplated thereby, transactions from which the Stockholder believes it will derive substantial benefits through its ownership interest in the Company, the Stockholder is entering into this Agreement.

NOW, THEREFORE, in consideration of the foregoing and the respective representations, warranties, covenants and agreements set forth herein, the parties agree as follows:

ARTICLE I

DEFINITIONS

SECTION 1.1 Capitalized Terms. For purposes of this Agreement, capitalized terms used and not defined herein shall have the respective meanings ascribed to them in the Merger Agreement.

ARTICLE II

VOTING AGREEMENT AND IRREVOCABLE PROXY

SECTION 2.1 Agreement to Vote.

(a) The Stockholder hereby agrees that, within five (5) business days of the Registration Statement becoming effective, the Stockholder shall execute and deliver, or cause to be executed and delivered, to Company, a written consent in the form of Exhibit A hereto (a “**Written Consent**”). The Written Consent shall be coupled with an interest and shall be irrevocable. As used herein, the term “**Expiration Time**” shall mean the earliest occurrence of (A) the Effective Time and (B) the date and time of the valid termination of the Merger Agreement in accordance with its terms, and the term “**Voting Period**” shall mean such period of time between the date hereof and the Expiration Time.

(b) The Stockholder hereby agrees that, during the Voting Period, and at any duly called meeting of the stockholders of the Company (or any adjournment or postponement thereof), or in any other circumstances (including action by written consent of stockholders in lieu of a meeting) upon which a vote, adoption or other approval or consent with respect to the adoption of the Merger Agreement or the approval of the Merger and any of the transactions contemplated thereby is sought, the Stockholder shall, if a meeting is held, appear at the meeting, in person or by proxy, and shall provide a written consent or vote (or cause to be voted), in person or by proxy, all its Subject Shares, in each case (i) in favor of (A) any proposal to adopt and approve or reapprove the Merger Agreement and the transactions contemplated thereby, including without limitation (1) adoption and approval of the Merger Agreement and the Contemplated Transactions, (2) acknowledgment that the approval given thereby is irrevocable and that the Stockholder is aware of the Stockholder’s rights to demand appraisal for its shares pursuant to Section 262 of the DGCL, a true and correct copy of which will be attached thereto, and that the Stockholder has received and read a copy of Section 262 of the DGCL, (3) acknowledgment that by the Stockholder’s approval of the Merger the Stockholder is not entitled to appraisal rights with respect to the Shares in connection with the Merger and thereby waives any rights to receive payment of the fair value of the Stockholder’s capital stock under the DGCL, and (4) the Preferred Stock Conversion and (B) waiving any notice that may have been or may be required relating to the Merger or any of the other transactions contemplated by the Merger Agreement, and (ii) against (X) any Acquisition Proposal, and (Y) any action, proposal, transaction or agreement that, to the knowledge of the Stockholder, would reasonably be expected to result in a material breach of any covenant, representation or warranty or any other obligation or agreement of the Stockholder under this Agreement.

SECTION 2.2 Grant of Irrevocable Proxy. The Stockholder hereby appoints Company and any designee of Company, and each of them individually, as the Stockholder's proxy, with full power of substitution and resubstitution, to vote, including by executing written consents, during the Voting Period with respect to any and all of the Subject Shares on the matters and in the manner specified in Section 2.1; provided, however, that the Stockholders' grant of the proxy contemplated by this Section 2.2 shall be effective with respect to Section 2.1(a) if, and only if, the Stockholder does not deliver the Written Consent immediately following the earlier to occur of (i) confirmation by the SEC that it has no further comments on the Proxy Statement or (ii) expiration of the 10-day waiting period contemplated by Rule 14a-6(a) promulgated under the Exchange Act. The Stockholder shall take all further action or execute such other instruments as may be necessary to effectuate the intent of any such proxy. The Stockholder affirms that the irrevocable proxy given by it hereby with respect to the Merger Agreement and the transactions contemplated thereby is given to Company by the Stockholder to secure the performance of the obligations of the Stockholder under this Agreement. It is agreed that Company (and its officers on behalf of Company) will use the irrevocable proxy that is granted by the Stockholder hereby only in accordance with applicable Laws and that, to the extent Company (and its officers on behalf of Company) uses such irrevocable proxy, it will only vote (or sign written consents in respect of) the Subject Shares subject to such irrevocable proxy with respect to the matters specified in, and in accordance with the provisions of, Section 2.1.

SECTION 2.3 Nature of Irrevocable Proxy. The proxy granted pursuant to Section 2.2 to Company by the Stockholder shall be irrevocable during the term of this Agreement, shall be deemed to be coupled with an interest sufficient in law to support an irrevocable proxy and shall revoke any and all prior proxies or powers of attorney granted by the Stockholder and no subsequent proxy or power of attorney shall be given or written consent executed (and if given or executed, shall not be effective) by the Stockholder with respect thereto. The proxy that may be granted hereunder shall terminate upon the termination of this Agreement, but shall survive the death or incapacity of the Stockholder and any obligation of the Stockholder under this Agreement shall be binding upon the heirs, personal representatives and successors of the Stockholder.

ARTICLE III

COVENANTS

SECTION 3.1 Subject Shares.

(a) The Stockholder agrees that (i) from the date hereof until the Effective Time, it shall not, and shall not commit or agree to, without the prior written consent of Parent and the Company, directly or indirectly, whether by merger, consolidation or otherwise, offer for sale, sell (including short sales), transfer, tender, pledge, encumber, assign or otherwise dispose of (including by gift or by operation of law) (collectively, a "**Transfer**"), or enter into any contract, option, derivative, hedging or other agreement or arrangement or understanding (including any profit-sharing arrangement) with respect to, or consent to or permit, a Transfer of, any or all of the Subject Shares or any interest therein; and (ii) during the

Voting Period, it shall not, and shall not commit or agree to, without the prior written consent of Parent and the Company, (A) grant any proxies or powers of attorney with respect to any or all of the Subject Shares or agree to vote (or sign written consents in respect of) the Subject Shares on any matter or divest itself of any voting rights in the Subject Shares, or (B) take any action that would have the effect of preventing or disabling the Stockholder from performing its obligations under this Agreement. Notwithstanding the foregoing, the Stockholder may (1) make transfers or dispositions of the Subject Shares to any member of the immediate family of the Stockholders or to any trust for the direct or indirect benefit of the Stockholder or the immediate family of the Stockholder, (2) make transfers or dispositions of the Subject Shares by will, other testamentary document or intestate succession to the legal representative, heir, beneficiary or a member of the immediate family of the Stockholder, (3) make transfers of the Subject Shares to stockholders, direct or indirect affiliates (within the meaning set forth in Rule 405 under the Securities Act of 1933, as amended), current or former partners (general or limited), members or managers of the Stockholder, as applicable, or to the estates of any such stockholders, affiliates, partners, members or managers, or to another corporation, partnership, limited liability company or other business entity that controls, is controlled by or is under common control with the Stockholder, (4) make transfers that occur by operation of law pursuant to a qualified domestic relations order or in connection with a divorce settlement, (5) make transfers or dispositions not involving a change in beneficial ownership (including voting rights) and (6) if the Stockholder is a trust, make transfers or dispositions to any beneficiary of the Stockholder or the estate of any such beneficiary. The Stockholder agrees that any Transfer of Subject Shares not permitted hereby shall be null and void and that any such prohibited Transfer shall be enjoined. If any voluntary or involuntary transfer of any Subject Shares covered hereby shall occur (including, but not limited to, a sale by the Stockholder's trustee in bankruptcy, or a sale to a purchaser at any creditor's or court sale), the transferee (which term, as used herein, shall include any and all transferees and subsequent transferees of the initial transferee) shall take and hold such Subject Shares subject to all of the restrictions, liabilities and rights under this Agreement, which shall continue in full force and effect.

(b) In the event of a stock dividend or distribution, or any change in the Subject Shares by reason of any stock dividend or distribution, split-up, recapitalization, combination, conversion, exchange of shares or the like, the term "Subject Shares" shall be deemed to refer to and include the Subject Shares as well as all such stock dividends and distributions and any securities into which or for which any or all of the Subject Shares may be changed or exchanged or which are received in such transaction. The Stockholder further agrees that, in the event Stockholder purchases or otherwise acquires beneficial or record ownership of or an interest in, or acquires the right to vote or share in the voting of, any additional Shares, in each case after the execution of this Agreement, the Stockholder shall deliver promptly to Company written notice of such event, which notice shall state the number of additional Shares so acquired. The Stockholder agrees that any such additional Shares shall be subject to the terms of this Agreement, including all covenants, agreements, obligations, representations and warranties set forth herein as if those additional shares were owned by the Stockholder on the date of this Agreement.

SECTION 3.2 Stockholder's Capacity. All agreements and understandings made herein shall be made solely in the Stockholder's capacity as a holder of the

Subject Shares and not in any other capacity.

SECTION 3.3 Other Offers. Except to the extent the Company is permitted to take such action pursuant to the Merger Agreement, neither the Stockholder (in the Stockholder's capacity as such), shall, nor shall the Stockholder authorize or permit any of its Representatives to, take any of the following actions: (i) solicit, initiate, knowingly encourage or knowingly facilitate an Acquisition Proposal, (ii) furnish any non-public information regarding the Company to any Person in connection with or in response to an Acquisition Proposal, (iii) engage in, enter into, continue or otherwise participate in any discussions or negotiations with any Person with respect to, or otherwise knowingly cooperate in any way with any person (or any representative thereof) with respect to, any Acquisition Proposal, (iv) approve, endorse or recommend or propose to approve, endorse or recommend, any Acquisition Proposal or (v) enter into any letter of intent or similar document or any Contract contemplating, approving, endorsing or recommending or proposing to approve, endorse or recommend, any Acquisition Transaction or accepting any Acquisition Proposal; provided, however, that none of the foregoing restrictions shall apply to the Stockholder's and its Representatives' interactions with Parent, Merger Sub, the Company and their respective subsidiaries and representatives. Without limiting the foregoing, it is understood that any violation of the foregoing restrictions by any Representatives of the Stockholder shall be deemed to be a breach of this Section 3.3 by the Stockholder. The Stockholder shall, and shall use reasonable best efforts to cause its Representatives to, immediately cease any and all existing discussions or negotiations with any Persons conducted heretofore with respect to any Acquisition Proposal.

SECTION 3.4 Communications. During the Voting Period, the Stockholder shall not, and shall use its reasonable best efforts to cause its Representatives, if any, not to, directly or indirectly, make any press release, public announcement or other public communication that criticizes or disparages this Agreement or the Merger Agreement or any of the transactions contemplated hereby and thereby, without the prior written consent of Parent and the Company, provided that the foregoing shall not limit or affect any actions taken by the Stockholder (or any affiliated officer or director of Stockholder) that would be permitted to be taken by Stockholder pursuant to the Merger Agreement. The Stockholder hereby (i) consents to and authorizes the publication and disclosure by Parent, Merger Sub and the Company (including in any publicly filed documents relating to the Merger or any transaction contemplated by the Merger Agreement) of: (a) the Stockholder's identity; (b) the Stockholder's beneficial ownership of the Subject Shares; (c) this Agreement; and (d) the nature of the Stockholder's commitments, arrangements and understandings under this Agreement, and any other information that Parent, Merger Sub or the Company determines to be necessary in any SEC disclosure document in connection with the Merger or any transactions contemplated by the Merger Agreement and (ii) agrees as promptly as practicable to notify Parent, Merger Sub and the Company of any required corrections with respect to any written information supplied by the Stockholder specifically for use in any such disclosure document.

SECTION 3.4 Voting Trusts. The Stockholder agrees that it will not, nor will it permit any entity under its control to, deposit any of its Subject Shares in a voting trust or subject any of its Subject Shares to any arrangement with respect to the voting of such Subject

Shares other than as provided herein.

SECTION 3.5 Waiver of Appraisal Rights. The Stockholder hereby irrevocably and unconditionally waives, and agrees not to assert, exercise or perfect (or attempt to exercise, assert or perfect) any rights of appraisal or rights to dissent from the Merger or quasi-appraisal rights that it may at any time have under applicable Laws, including Section 262 of the DGCL. The Stockholder agrees not to commence, join in, facilitate, assist or encourage, and agrees to take all actions necessary to opt out of any class in any class action with respect to, any claim, derivative or otherwise, against Parent, Merger Sub, the Company or any of their respective successors, directors or officers, (a) challenging the validity, binding nature or enforceability of, or seeking to enjoin the operation of, this Agreement or the Merger Agreement, or (b) alleging a breach of any fiduciary duty of any Person in connection with the evaluation, negotiation, entry into or consummation of the Merger Agreement.

ARTICLE IV

REPRESENTATIONS AND WARRANTIES OF STOCKHOLDER

The Stockholder hereby represents and warrants to Company as follows:

SECTION 4.1 Due Authorization, etc. The Stockholder is a natural person, corporation, limited partnership or limited liability company. If the Stockholder is a corporation, limited partnership or limited liability company, Stockholder is an entity duly organized, validly existing and in good standing under the laws of the jurisdiction in which it is incorporated, organized or constituted. The Stockholder has all necessary power and authority to execute and deliver this Agreement, perform the Stockholder's obligations hereunder and to consummate the transactions contemplated hereby. The execution and delivery of this Agreement, performance the Stockholder's obligations hereunder and the consummation of the transactions contemplated hereby by the Stockholder have been duly authorized by all necessary action on the part of the Stockholder and no other proceedings on the part of the Stockholder are necessary to authorize this Agreement, or to consummate the transactions contemplated hereby. This Agreement has been duly executed and delivered by the Stockholder and (assuming the due authorization, execution and delivery by Parent and the Company) constitutes a valid and binding obligation of the Stockholder, enforceable against the Stockholder in accordance with its terms, except to the extent enforcement is limited by bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar Laws of general applicability relating to or affecting creditors' rights and by general equitable principles.

SECTION 4.2 Ownership of Shares. Schedule I hereto sets forth opposite the Stockholder's name the Shares over which the Stockholder has sole record and beneficial ownership as of the date hereof. As of the date hereof, the Stockholder is the lawful owner of the Shares denoted as being owned by the Stockholder on Schedule I hereto, has the sole power to vote or cause to be voted such Shares and has the sole power to dispose of or cause to be disposed such Shares (other than, if Stockholder is a partnership or a limited liability company, the rights and interest of persons and entities that own partnership interests or units in Stockholder under the partnership agreement or operating agreement governing Stockholder and

applicable partnership or limited liability company law, or if Stockholder is a married individual and resides in a state with community property laws, the community property interest of his or her spouse to the extent applicable under such community property laws, which spouse hereby consents to this Agreement by executing the spousal consent attached hereto). The Stockholder has, and will at all times up until the Expiration Time have, good and valid title to the Shares denoted as being owned by the Stockholder on Schedule I hereto, free and clear of any and all pledges, mortgages, liens, charges, proxies, voting agreements, encumbrances, adverse claims, options, security interests and demands of any nature or kind whatsoever, other than (i) those created by this Agreement, or (ii) those existing under applicable securities laws.

SECTION 4.3 No Conflicts. (a) No filing with any Governmental Body, and no authorization, consent or approval of any other person is necessary for the execution of this Agreement by the Stockholder and (b) none of the execution and delivery of this Agreement by the Stockholder, the performance of the Stockholder's obligations hereunder, the consummation by the Stockholder of the transactions contemplated hereby or compliance by the Stockholder with any of the provisions hereof shall (i) conflict with or result in any breach of the organizational documents of the Stockholder, (ii) result in, or give rise to, a violation or breach of or a default under any of the terms of any material contract, understanding, agreement or other instrument or obligation to which the Stockholder is a party or by which the Stockholder or any of the Subject Shares or its assets may be bound or (iii) violate any applicable order, writ, injunction, decree, judgment, statute, rule or regulation, except for any of the foregoing as would not reasonably be expected to impair the Stockholder's ability to perform its obligations under this Agreement.

SECTION 4.4 Finder's Fees. No investment banker, broker, finder or other intermediary is entitled to a fee or commission from Parent, Merger Sub or the Company in respect of this Agreement based upon any Contract made by or on behalf of the Stockholder, solely in the Stockholder's capacity as a stockholder of the Company.

SECTION 4.5 No Litigation. As of the date of this Agreement, there is no Legal Proceeding pending or, to the knowledge of the Stockholder, threatened against the Stockholder that would reasonably be expected to impair the ability of the Stockholder to perform its obligations hereunder or consummate the transactions contemplated hereby.

ARTICLE V

TERMINATION

SECTION 5.1 Termination. This Agreement shall automatically terminate, and none of Parent, the Company or the Stockholder shall have any rights or obligations hereunder and this Agreement shall become null and void and have no effect upon the earliest to occur of: (a) the Effective Time; and (b) the valid termination of the Merger Agreement in accordance with its terms. The parties acknowledge that upon termination of this Agreement as permitted under and in accordance with the terms of this Article VI, no party to this Agreement shall have the right to recover any claim with respect to any losses suffered by

such party in connection with such termination, except that, subject to Section 6.11, the termination of this Agreement shall not relieve any party to this Agreement from liability for such party's intentional breach of any terms of this Agreement. Notwithstanding anything to the contrary herein, the provisions of this Article V and Article VI shall survive the termination of this Agreement.

ARTICLE VI

MISCELLANEOUS

SECTION 6.1 Further Actions. Subject to the terms and conditions set forth in this Agreement, the Stockholder agrees to take any all actions and to do all things reasonably necessary to effectuate this Agreement. If the Stockholder is a married individual, his or her spouse shall deliver the spousal consent attached hereto unless such Stockholder can demonstrate to Parent's and the Company's reasonable satisfaction that his or her spouse does not have any community property interests in the Subject Shares.

SECTION 6.2 Fees and Expenses. Except as otherwise specifically provided herein, each party shall bear its own expenses in connection with this Agreement and the transactions contemplated hereby.

SECTION 6.3 Amendments, Waivers, etc. This Agreement may not be amended except by an instrument in writing signed by the parties hereto and specifically referencing this Agreement. The failure of any party to assert any rights or remedies shall not constitute a waiver of such rights or remedies.

SECTION 6.4 Notices. Any notice, request, instruction or other document required to be given hereunder shall be sufficient if in writing, and sent by electronic mail transmission of a "portable document format" (".pdf") attachment (provided that any notice received by electronic mail transmission or otherwise at the addressee's location on any business day after 5:00 p.m. (addressee's local time) shall be deemed to have been received at 9:00 a.m. (addressee's local time) on the next business day), by reliable overnight delivery service (with proof of service), or hand delivery, addressed as follows:

If to Company, to

Oncternal Therapeutics, Inc.
3252 Del Mar Heights Rd., #821
San Diego, CA 92130
Attention: James Breitmeyer, President & CEO
Email: jbreitmeyer@oncternal.com

with a copy to (which shall not constitute notice):

Latham & Watkins LLP
12670 High Bluff Drive
San Diego, CA 92130

Attention: Cheston J. Larson
Email: cheston.larson@lw.com

If to Parent, to

GTx, Inc.
175 Toyota Plaza, 7th Floor
Memphis, TN 38103
Attn: Marc S. Hanover, Henry P. Doggrell
Email: mhanover@gtxinc.com; hdoggrell@gtxinc.com

with a copy to (which shall not constitute notice):

Cooley LLP
101 California Street, 5th Floor
San Francisco, CA 94111-5800
Attention: Chadwick Mills, Laura Medina, Kassendra Galindo
Email: cmills@cooley.com, lmedina@cooley.com, kgalindo@cooley.com

If to the Stockholder, to the address or electronic mail address set forth on the signature pages hereto or to such other person or address as any party shall specify by written notice so given.

SECTION 6.5 Headings. Headings of the Articles and Sections of this Agreement are for convenience of the parties only, and shall be given no substantive or interpretive effect whatsoever.

SECTION 6.6 Severability. The provisions of this Agreement shall be deemed severable and the invalidity or unenforceability of any provision shall not affect the validity or enforceability of the other provisions hereof. If any provision of this Agreement, or the application of such provision to any person or any circumstance, is invalid or unenforceable (a) a suitable and equitable provision shall be substituted therefor in order to carry out, so far as may be valid and enforceable, the intent and purpose of such invalid or unenforceable provision and (b) the remainder of this Agreement and the application of such provision to other persons or circumstances shall not be affected by such invalidity or unenforceability, nor shall such invalidity or unenforceability affect the validity or enforceability of such provision, or the application of such provision, in any other jurisdiction.

SECTION 6.7 Entire Agreement; Assignment. This Agreement constitutes the entire agreement, and supersedes all other prior agreements and understandings, both written and oral, between the parties, or any of them, with respect to the subject matter hereof. Neither this Agreement nor any of the rights, interests or obligations hereunder shall be assigned by any of the parties hereto (whether by operation of law or otherwise) without the prior written consent of the other parties, except that without consent Parent and the Company may assign all or any of its rights and obligations hereunder to any of their respective Affiliates that assume the rights and obligations of Parent or the Company, respectively, under the Merger Agreement. Subject to the preceding two sentences, this Agreement will be binding upon, inure

to the benefit of and be enforceable by the parties hereto and their respective successors and permitted assigns. Notwithstanding anything to the contrary set forth herein, the Stockholder agrees that this Agreement and the obligations hereunder shall be binding upon any Person to which record or beneficial ownership of the Stockholder's Subject Shares shall pass, whether by operation or law or otherwise, including the Stockholder's heirs, guardians, administrators or successors and assigns, and the Stockholder agrees to take all actions necessary to effect the foregoing.

SECTION 6.8 Governing Law. THIS AGREEMENT AND ALL QUESTIONS RELATING TO THE INTERPRETATION OR ENFORCEMENT OF THIS AGREEMENT SHALL BE DEEMED TO BE MADE IN AND IN ALL RESPECTS SHALL BE INTERPRETED, CONSTRUED AND GOVERNED BY AND IN ACCORDANCE WITH THE LAW OF THE STATE OF DELAWARE WITHOUT REGARD TO THE CONFLICTS OF LAW PRINCIPLES THEREOF TO THE EXTENT THAT SUCH PRINCIPLES WOULD DIRECT A MATTER TO ANOTHER JURISDICTION.

SECTION 6.9 Specific Performance. The Stockholder acknowledges that any breach of this Agreement would give rise to irreparable harm for which monetary damages would not be an adequate remedy and each of the Company and Parent shall be entitled to a decree of specific performance and to temporary, preliminary and permanent injunctive relief to prevent breaches or threatened breaches of any of the provisions of this Agreement, without the necessity of proving the inadequacy of monetary damages as a remedy, which shall be the sole and exclusive remedy for any such breach.

SECTION 6.10 Submission to Jurisdiction. The parties hereby irrevocably submit to the exclusive personal jurisdiction of the Court of Chancery of the State of Delaware, or, if the Chancery Court declines jurisdiction, the United States District Court for the District of Delaware or the courts of the State of Delaware solely in respect of the interpretation and enforcement of the provisions of this Agreement and hereby waive, and agree not to assert, as a defense in any action, suit or proceeding for the interpretation or enforcement hereof, that it is not subject thereto or that such action, suit or proceeding may not be brought or is not maintainable in said courts or that the venue thereof may not be appropriate or that this Agreement may not be enforced in or by such courts, and the parties hereto irrevocably agree that all claims relating to such action, suit or proceeding shall be heard and determined in such courts. The parties hereby consent to and grant any such court jurisdiction over the person of such parties and, to the extent permitted by law, over the subject matter of such dispute and agree that mailing of process or other papers in connection with any such action or proceeding in the manner provided in Section 6.4 or in such other manner as may be permitted by applicable Laws shall be valid and sufficient service thereof.

SECTION 6.11 Waiver of Jury Trial. EACH PARTY ACKNOWLEDGES AND AGREES THAT ANY CONTROVERSY WHICH MAY ARISE UNDER THIS AGREEMENT IS LIKELY TO INVOLVE COMPLICATED AND DIFFICULT ISSUES, AND THEREFORE EACH SUCH PARTY HEREBY IRREVOCABLY AND UNCONDITIONALLY WAIVES ANY RIGHT SUCH PARTY MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LITIGATION DIRECTLY OR INDIRECTLY ARISING OUT

OF OR RELATING TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED BY THIS AGREEMENT. EACH PARTY CERTIFIES AND ACKNOWLEDGES THAT (i) NO REPRESENTATIVE, AGENT OR ATTORNEY OF ANY OTHER PARTY HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT, IN THE EVENT OF LITIGATION, SEEK TO ENFORCE THE FOREGOING WAIVER, (ii) EACH PARTY UNDERSTANDS AND HAS CONSIDERED THE IMPLICATIONS OF THIS WAIVER, (iii) EACH PARTY MAKES THIS WAIVER VOLUNTARILY, AND (iv) EACH PARTY HAS BEEN INDUCED TO ENTER INTO THIS AGREEMENT BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION 6.11.

SECTION 6.12 Counterparts. This Agreement may be executed in two or more counterparts (including by facsimile transmission or other means of electronic transmission, such as by electronic mail in “pdf” form), each of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument, and shall become effective when one or more counterparts have been signed by each of the parties and delivered (by facsimile or otherwise) to the other parties.

IN WITNESS WHEREOF, the Company, Parent and the Stockholder have caused this Agreement to be duly executed as of the day and year first above written.

ONCTERNAL THERAPEUTICS, INC.

By: _____
Name:
Title:

GTX, INC.

By: _____
Name:
Title:

[STOCKHOLDER]

By: _____
Name:
Title:

Address:

Electronic Mail Address:

[Signature Page to Voting Agreement]

SPOUSAL CONSENT

I _____, spouse of _____, having the legal capacity, power and authority to do so, hereby confirm that I have read and approve the foregoing the Voting Agreement (the "**Agreement**"). In consideration of the terms and conditions as set forth in the Agreement, I hereby appoint my spouse as my attorney in fact with respect to the exercise of any rights and obligations under the Agreement, and agree to be bound by the provisions of the Agreement insofar as I may have any rights or obligations in the Agreement under the community property laws of the State of California or similar laws relating to marital or community property in effect in the state of our residence as of the date of the Agreement.

Name:

Date:

[Signature Page to Voting Agreement]

Exhibit A
Written Consent

See attached.

Schedule I

Ownership of Shares

Name and Address of Stockholder	Number of Common Shares	Number of Preferred Shares
[.]	[.]	[.]

GTx, Inc.
175 Toyota Plaza
7th Floor
Memphis, TN 38103

Lock-Up Agreement

[·], 2019

This Lock-Up Agreement (this “**Agreement**”) is executed in connection with the Agreement and Plan of Merger and Reorganization (the “**Merger Agreement**”) by and among GTx, Inc. (the “**Parent**”), Grizzly Merger Sub, Inc. (“**Merger Sub**”), and Oncternal Therapeutics, Inc. (the “**Company**”), dated as of March 6, 2019. Capitalized terms used herein but not defined shall have the meanings ascribed to such terms in the Merger Agreement.

In connection with, and as an inducement to, the parties entering into the Merger Agreement and for other good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, the undersigned, by executing this Agreement, agrees that, without the prior written consent of the Parent and the Company, during the period commencing at the Effective Time and continuing until the end of the Lock-Up Period (as hereinafter defined), the undersigned will not: (1) 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, make any short sale or otherwise transfer or dispose of or lend, directly or indirectly, any shares of Common Stock of Parent (the “**Parent Common Stock**”) or any securities convertible into, exercisable or exchangeable for or that represent the right to receive Parent Common Stock (including without limitation, Parent Common Stock which may be deemed to be beneficially owned by the undersigned in accordance with the rules and regulations of the Securities and Exchange Commission and securities which may be issued upon exercise of a stock option or warrant) whether now owned or hereafter acquired (the “**Securities**”); (2) enter into any swap or other agreement that transfers, in whole or in part, any of the economic consequences of ownership of the Securities, whether any such transaction described in clause (1) or (2) above is to be settled by delivery of Parent Common Stock or such other securities, in cash or otherwise; (3) make any demand for or exercise any right with respect to, the registration of any Parent Common Stock or any security convertible into or exercisable or exchangeable for Parent Common Stock; (4) except for the Voting Agreement, grant any proxies or powers of attorney with respect to any Securities, deposit any Securities into a voting trust or enter into a voting agreement or similar arrangement or commitment with respect to any Securities; or (5) publicly disclose the intention to do any of the foregoing (each of the foregoing restrictions, the “**Lock-Up Restrictions**”).

Notwithstanding the terms of the foregoing paragraph, the Lock-Up Restrictions shall automatically terminate and cease to be effective on the date that is one-hundred and eighty (180) days after the Effective Time. The period during which the Lock-Up Restrictions apply to the Securities shall be deemed the “**Lock-Up Period**” with respect thereto.

The undersigned agrees that the Lock-Up Restrictions preclude the undersigned from engaging in any hedging or other transaction with respect to any then-subject Securities which is designed to or which reasonably could be expected to lead to or result in a sale or disposition of such Securities even if such Securities would be disposed of by someone other than the undersigned. Such prohibited hedging or other transactions would include without limitation any short sale or any purchase, sale or grant of any right (including without limitation any put or call option) with respect to such Securities or with respect to any security that includes, relates to, or derives any significant part of its value from such Securities.

Notwithstanding the foregoing, the undersigned may transfer any of the Securities (i) as a *bona fide* gift or charitable contribution, (ii) to any trust for the direct or indirect benefit of the undersigned or the immediate family of the undersigned, (iii) if the undersigned is a corporation, partnership, limited liability company, trust or other business entity (1) to another corporation, partnership, limited liability company, trust or other business entity that is a direct or indirect affiliate (as defined in Rule 405 promulgated under the Securities Act of 1933, as amended) of the undersigned or (2) as distributions or dividends of shares of Parent Common Stock or any security convertible into or exercisable for Parent Common Stock to limited partners, limited liability company members or stockholders of the undersigned or holders of similar equity interests in the undersigned, (iv) if the undersigned is a trust, to the beneficiary of such trust, (v) by testate succession or intestate succession, (vi) to any immediate family member, any investment fund, family partnership, family limited liability company or other entity controlled or managed by the undersigned, (vii) to a nominee or custodian of a person or entity to whom a disposition or transfer would be permissible under clauses (i) through (vi), (viii) to Parent in a transaction exempt from Section 16(b) of the Securities Exchange Act of 1934, as amended (the “**Exchange Act**”) upon a vesting event of the Securities or upon the exercise of options or warrants to purchase Parent Common Stock on a “cashless” or “net exercise” basis or to cover tax withholding obligations of the undersigned in connection with such vesting or exercise (but for the avoidance of doubt, excluding all manners of exercise that would involve a sale in the open market of any securities relating to such options or warrants, whether to cover the applicable aggregate exercise price, withholding tax obligations or otherwise), (ix) to Parent in connection with the termination of employment or other termination of a service provider and pursuant to agreements in effect as of the Effective Time whereby Parent has the option to repurchase such shares or securities, (x) acquired by the undersigned in open market transactions after the Effective Time, (xi) pursuant to a bona fide third party tender offer, merger, consolidation or other similar transaction made to all holders of the Parent’s capital stock involving a change of control of the Parent, provided that in the event that such tender offer, merger, consolidation or other such transaction is not completed, the Securities shall remain subject to the restrictions contained in this Agreement, or (xii) pursuant to an order of a court or regulatory agency; *provided*, in the case of clauses (i)-(vii), that (A) such transfer shall not involve a disposition for value and (B) the transferee agrees in writing with Parent to be bound by the terms of this Agreement; and *provided, further*, in the case of clauses (i)-(x), no filing by any party under Section 16(a) of the Exchange Act shall be required or shall be made voluntarily in connection with such transfer. For purposes of this Agreement, “immediate family” shall mean any relationship by blood, marriage or adoption, not more remote than first cousin.

In addition, the foregoing restrictions shall not apply to (i) the exercise of stock options granted pursuant to equity incentive plans existing immediately following the Effective Time, including the “net” exercise of such options in accordance with their terms and the surrender of Parent Common Stock in lieu of payment in cash of the exercise price and any tax withholding obligations due as a result of such exercise (but for the avoidance of doubt, excluding all manners of exercise that would involve a sale in the open market of any securities relating to such options, whether to cover the applicable aggregate exercise price, withholding tax obligations or otherwise); *provided* that it shall apply to any of the Securities issued upon such exercise, (ii) conversion or exercise of warrants into Parent Common Stock or into any other security convertible into or exercisable for Parent Common Stock that are outstanding as of the Effective Time (but for the avoidance of doubt, excluding all manners of conversion or exercise that would involve a sale in the open market of any securities relating to such warrants, whether to cover the applicable aggregate exercise price, withholding tax obligations or otherwise); *provided* that it shall apply to any of the Securities issued upon such conversion or exercise; and *provided, further* that the recipient of Parent Common Stock agrees in writing with Parent to be bound by the terms of this Agreement, or (iii) the establishment of any contract, instruction or plan (a “**Plan**”) that satisfies all of the requirements of Rule 10b5-1(c)(1)(i)(B) under the Exchange Act; *provided* that no sales of the Securities shall be made pursuant to such a Plan prior to the expiration of the Lock-Up Period, and such a Plan may only be established if no public announcement of the establishment or existence thereof and no filing with the Securities and Exchange Commission or other regulatory authority in respect thereof or transactions thereunder or contemplated thereby, by the undersigned, Parent or any other person, shall be required, and no such announcement or filing is made voluntarily, by the undersigned, Parent or any other person, prior to the expiration of the applicable Lock-Up Period. Any attempted transfer in violation of this Agreement will be of no effect and null and void, regardless of whether the purported transferee has any actual or constructive knowledge of the transfer restrictions set forth in this Agreement, and will not be recorded on the share register of Parent. In furtherance of the foregoing, Parent and its transfer agent and registrar are hereby authorized to decline to make any transfer of shares of Parent Common Stock if such transfer would constitute a violation or breach of this Agreement. Parent may cause the legend set forth below, or a legend substantially equivalent thereto, to be placed upon any certificate(s) or other documents, ledgers or instruments evidencing the undersigned’s ownership of Parent Common Stock:

THE SHARES REPRESENTED BY THIS CERTIFICATE ARE SUBJECT TO AND MAY ONLY BE TRANSFERRED IN COMPLIANCE WITH A LOCK-UP AGREEMENT, A COPY OF WHICH IS ON FILE AT THE PRINCIPAL OFFICE OF THE COMPANY.

The undersigned hereby represents and warrants that the undersigned has full power and authority to enter into this Agreement and that upon request, the undersigned will execute any additional documents reasonably necessary to ensure the validity or enforcement of this Agreement. All authority herein conferred or agreed to be conferred and any obligations of the undersigned shall be binding upon the successors, assigns, heirs or personal representatives of the undersigned.

The undersigned understands that the undersigned shall be released from all obligations under this Agreement if the Merger Agreement is terminated prior to the Effective Time pursuant to its terms, upon the date of such termination.

The undersigned understands that Parent, the Merger Sub and the Company are entering into the Merger Agreement in reliance upon this Agreement.

This Agreement and any claim, controversy or dispute arising under or related to this Agreement shall be governed by, and construed in accordance with, the laws of the State of Delaware, without regard to the conflict of laws principles thereof.

(Signature Page Follows)

This Agreement, and any certificates, documents, instruments and writings that are delivered pursuant hereto, constitutes the entire agreement and understanding of the Parent, the Company and the undersigned in respect of the subject matter hereof and supersedes all prior understandings, agreements or representations by or among the Parent, the Company and the undersigned, written or oral, to the extent they relate in any way to the subject matter hereof. This Agreement may be executed in several counterparts, each of which shall be deemed an original and all of which shall constitute one and the same instrument. The exchange of a fully executed Agreement (in counterparts or otherwise) by Parent and the undersigned by facsimile or electronic transmission in .pdf format shall be sufficient to bind such parties to the terms and conditions of this Agreement.

Very truly yours,

Printed Name of Holder

By:

Signature

Printed Name of Person Signing
(and indicate capacity of person signing if
signing as custodian, trustee, or on behalf of an entity)

[Lock-Up Agreement Signature Page]

AMENDED AND RESTATED BYLAWS
OF
GTX, INC.
(A DELAWARE CORPORATION)

AMENDED AND RESTATED BYLAWS

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AMENDED AND RESTATED BYLAWS

OF

GTX, INC.
(THE "CORPORATION")

ARTICLE I
OFFICES

SECTION 1.1 REGISTERED OFFICE. The address of the registered office of the Corporation in the State of Delaware shall be 1209 Orange Street in the City of Wilmington, County of New Castle, Delaware 19801. The name of its registered agent at such address is The Corporation Trust Company.

SECTION 1.2 OTHER OFFICES. The Corporation shall also have and maintain an office or principal place of business at such place as may be fixed by the Board of Directors, and may also have offices at such other places, both within and without the State of Delaware, as the Board of Directors may from time to time determine or the business of the Corporation may require.

ARTICLE II
CORPORATE SEAL

SECTION 2.1 CORPORATE SEAL. The Corporation may have a corporate seal, which may be adopted or altered at the pleasure of the Board of Directors, and the Corporation may use such seal by causing it or a facsimile thereof to be impressed or affixed or in any other manner reproduced.

ARTICLE III
STOCKHOLDERS' MEETINGS

SECTION 3.1 PLACE OF MEETINGS. Meetings of the stockholders of the Corporation may be held at such place, either within or without the State of Delaware, as may be determined from time to time by the Board of Directors, or, if not so designated, then at the office of the Corporation required to be maintained pursuant to Section 1.2 hereof.

SECTION 3.2 ANNUAL MEETINGS.

(a) The annual meeting of the stockholders of the Corporation, for the purpose of election of directors and for such other business as may lawfully come before it, shall be held on such date and at such time as may be designated from time to time by the Board of Directors. Nominations of persons for election to the Board of Directors of the Corporation and the proposal of business to be considered by the stockholders may be made at an annual meeting of

stockholders: (i) pursuant to the Corporation's notice with respect to such meeting; (ii) by or at the direction of the Board of Directors; or (iii) by any stockholder of the Corporation who was a stockholder of record at the time of giving the stockholders notice provided for in the following subsection (b), who is entitled to vote at the meeting and who complied with the notice procedures set forth below in this Section 3.2.

(b) At an annual meeting of the stockholders, only such business shall be conducted as shall have been properly brought before the meeting. For nominations or other business to be properly brought before an annual meeting by a stockholder pursuant to clause (iii) of Section 3.2(a) above, (i) the stockholder must have given timely notice thereof in writing to the Secretary of the Corporation, (ii) such other business must be a proper matter for stockholder action under Delaware General Corporation Law ("DGCL"), (iii) if the stockholder, or the beneficial owner on whose behalf any such proposal or nomination is made, has provided the Corporation with a Solicitation Notice (as defined in clause (iii) of the last sentence of this Section 3.2(b)), such stockholder or beneficial owner must, in the case of a proposal, have delivered a proxy statement and form of proxy to holders of at least the percentage of the Corporation's voting shares required under applicable law to carry any such proposal, or, in the case of a nomination or nominations, have delivered a proxy statement and form of proxy to holders of a percentage of the Corporation's voting shares reasonably believed by such stockholder or beneficial owner to be sufficient to elect the nominee or nominees proposed to be nominated by such stockholder, and must, in either case, have included in such materials the Solicitation Notice, and (iv) if no Solicitation Notice relating thereto has been timely provided pursuant to this section, the stockholder or beneficial owner proposing such business or nomination must not have solicited a number of proxies sufficient to have required the delivery of such a Solicitation Notice under this Section 3.2. To be timely, a stockholder's notice shall be delivered to the Secretary at the principal executive offices of the Corporation not later than the close of business on the one hundred twentieth (120th) day, nor earlier than the close of business on the one hundred fiftieth (150th) day, prior to the first anniversary of the date of the proxy statement delivered to stockholders in connection with the preceding year's annual meeting; provided, however, that in the event (i) the date of the annual meeting is advanced more than thirty (30) days prior to or delayed by more than thirty (30) days after the anniversary of the preceding year's annual meeting, (ii) no proxy statement was delivered to stockholders in connection with the preceding year's annual meeting, or (iii) the Corporation did not hold an annual meeting in the preceding year, notice by the stockholder to be timely must be so delivered not earlier than the close of business on the one hundred twentieth (120th) day prior to such annual meeting and not later than the close of business on the later of the ninetieth (90th) day prior to such annual meeting or the tenth (10th) day following the day on which public announcement of the date of such meeting is first made. In no event shall the public announcement of an adjournment of an annual meeting commence a new time period for the giving of a stockholder's notice as described above. Such stockholder's notice shall set forth: (A) as to each person whom the stockholder proposes to nominate for election or reelection as a director, all information relating to such person that is required to be disclosed in solicitations of proxies for election of directors, or is otherwise required, in each case pursuant to Regulation 14A under the Securities Exchange Act of 1934, as amended (the "1934 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 reasons for conducting such business at the meeting and any material interest in such business of such stockholder and the beneficial owner, if any, on whose behalf the proposal is made; and (C) as to the stockholder giving the notice and the beneficial owner, if any, on whose behalf the nomination or proposal is made (i) the name and address of such stockholder, as they appear on the Corporation's books, and of such beneficial owner, (ii) the class and number of shares of the Corporation which are owned beneficially and of record by such stockholder and such beneficial owner, (iii) a description of all arrangements or understandings between the stockholder and each proposed nominee and any other person or persons (including their names) pursuant to which the nomination(s) are to be made by such stockholder, and (iv) whether either such stockholder or beneficial owner intends to deliver a proxy statement and form of proxy to holders of, in the case of the proposal, at least the percentage of the Corporation's voting shares required under applicable law to carry the proposal or, in the case of a nomination or nominations, a sufficient number of holders of the Corporation's voting shares to elect such nominee or nominees (an affirmative statement of such intent, a "Solicitation Notice").

(c) Notwithstanding anything in the third sentence of Section 3.2(b) of these Bylaws (as the same may be amended and/or restated from time to time, the "Bylaws") 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 seventy (70) days prior to the first anniversary of the preceding year's annual meeting (or, if the annual meeting is held more than thirty (30) days before or thirty (30) days after such anniversary date, at least seventy (70) days prior to such annual meeting) a stockholder's notice required by this Section 3.2 shall also be considered timely, but only with respect to nominees for any new positions created by such increase, if it shall be delivered to the Secretary at the principal executive offices 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.

(d) Only such persons who are nominated in accordance with the procedures set forth in this Section 3.2 shall be eligible to serve as directors and only such business shall be conducted at a meeting of stockholders as shall have been brought before the meeting in accordance with the procedures set forth in this Section 3.2. Except as otherwise provided by law, the chairman of the meeting shall have the power and duty to determine whether a nomination or any business proposed to be brought before the meeting was made, or proposed, as the case may be, in accordance with the procedures set forth in these Bylaws and, if any proposed nomination or business is not in compliance with these Bylaws, to declare that such defective proposal or nomination shall not be presented for stockholder action at the meeting and shall be disregarded.

(e) Notwithstanding the foregoing provisions of this Section 3.2, in order to include information with respect to a stockholder proposal in the proxy statement and form of proxy for a stockholders' meeting, stockholders must provide notice as required by the regulations promulgated under the 1934 Act. Nothing in these Bylaws shall be deemed to affect

any rights of stockholders to request inclusion of proposals in the Corporation's proxy statement pursuant to Rule 14a-8 under the 1934 Act.

(f) For purposes of these Bylaws, "public announcement" shall mean disclosure in a press release reported by the Dow Jones News Service, Associated Press, PR Newswire, Reuters or comparable national news service or in a document publicly filed by the Corporation with the U.S. Securities and Exchange Commission pursuant to Section 13, 14 or 15(d) of the 1934 Act.

SECTION 3.3 SPECIAL MEETINGS.

(a) Special meetings of the stockholders of the Corporation may be called, for any purpose or purposes, only by (i) the Chairman of the Board of Directors, (ii) the Chief Executive Officer, or (iii) the Board of Directors pursuant to a resolution adopted by a majority of the directors then in office.

(b) If a special meeting is properly called by any person or persons other than the Board of Directors, the request shall be in writing, specifying the general nature of the business proposed to be transacted, and shall be delivered personally or sent by certified or registered mail, return receipt requested, to the Secretary of the Corporation. No business may be transacted at such special meeting otherwise than specified in such notice. The Board of Directors shall determine the time and place of such special meeting, which shall be held not less than thirty-five (35) nor more than one hundred twenty (120) days after the date of the receipt of the request. Upon determination of the time and place of the meeting, the Secretary shall cause notice to be given to the stockholders entitled to vote, in accordance with the provisions of Section 3.4 of these Bylaws. Nothing contained in this subsection (b) shall be construed as limiting, fixing, or affecting the time when a meeting of stockholders called by action of the Board of Directors may be held.

(c) Nominations of persons for election to the Board of Directors may be made at a special meeting of stockholders at which directors are to be elected pursuant to the Corporation's notice of meeting (i) by or at the direction of the Board of Directors or (ii) by any stockholder of the Corporation who is a stockholder of record at the time of giving notice provided for in these Bylaws who shall be entitled to vote at the meeting and who complies with the notice procedures set forth in this Section 3.3(c). In the event the Corporation calls a special meeting of stockholders for the purpose of electing one or more directors to the Board of Directors, any such stockholder may nominate a person or persons (as the case may be), for election to such position(s) as specified in the Corporation's notice of meeting, if the stockholder's notice otherwise required by Section 3.2(b) of these Bylaws shall be delivered to the Secretary at the principal executive offices of the Corporation not earlier than the close of business on the one hundred twentieth (120th) day prior to such special meeting and not later than the close of business on the later of the ninetieth (90th) day prior to such meeting or the tenth (10th) day following the day on which public announcement is first made of the date of the special meeting and of the nominees proposed by the Board of Directors to be elected at such meeting. In no event shall the public announcement of an adjournment of a special meeting commence a new time period for the giving of a stockholder's notice as described above.

(d) Unless the Corporation's Certificate of Incorporation (as the same may be amended and/or restated from time to time, the "Certificate of Incorporation") provides otherwise, any special meeting of the stockholders may be cancelled by resolution duly adopted by a majority of the directors then in office upon public notice given prior to the date previously scheduled for such meeting of stockholders.

SECTION 3.4 NOTICE OF MEETINGS. Except as otherwise provided by law, notice, given in writing or by electronic transmission, of each meeting of stockholders shall be given not less than ten (10) nor more than sixty (60) days before the date of the meeting to each stockholder entitled to vote at such meeting, such notice to specify the place, date and hour of the meeting, the means of remote communication(s), if any, by which stockholders and proxyholders may be deemed to be present in person and vote at such meeting (as authorized by the Board of Directors in its sole discretion pursuant to Section 211(a)(2) of the DGCL), and, in the case of a special meeting, the purpose or purposes of the meeting. Notice of any meeting of stockholders, if mailed, is given when deposited in the United States mail, postage prepaid, directed to the stockholder at such stockholder's address as it appears on the records of the Corporation and otherwise is given when delivered. Notice of the time, place, and purpose of any meeting of stockholders may be waived in writing, signed by the person entitled to notice thereof, or by electronic transmission by such person, either before or after such meeting, and will be waived by any stockholder by his attendance thereat in person or by proxy, except when the stockholder attends a meeting for the express 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 stockholder so waiving notice of such meeting shall be bound by the proceedings of any such meeting in all respects as if due notice thereof had been given. Neither the business to be transacted at, nor the purpose of, any annual or special meeting of the stockholders need be specified in any written waiver of notice or any waiver by electronic transmission.

SECTION 3.5 QUORUM. At all meetings of stockholders, except where otherwise provided by statute, the Certificate of Incorporation or these Bylaws, the presence, in person or by proxy duly authorized, of the holders of a majority of the outstanding shares of stock entitled to vote shall constitute a quorum for the transaction of business. In the absence of a quorum, any meeting of stockholders may be adjourned, from time to time, either by the chairman of the meeting or by vote of the holders of a majority of the shares represented thereat, but no other business shall be transacted at such meeting. The stockholders present at a duly called or convened meeting, at which a quorum is present, may continue to transact business until adjournment, notwithstanding the withdrawal of enough stockholders to leave less than a quorum. Except as otherwise provided by law or by applicable stock exchange or Nasdaq rules, or by the Certificate of Incorporation or these Bylaws, in all matters other than the election of directors, the affirmative vote of the majority of shares present in person or represented by proxy at the meeting and entitled to vote generally on the subject matter shall be the act of the stockholders. Except as otherwise provided by law, the Certificate of Incorporation or these Bylaws, directors shall be elected by a plurality of the votes of the shares present in person or represented by proxy at the meeting and entitled to vote generally on the election of directors. Where a separate vote by a class or classes or series is required, except where otherwise provided

by the statute or by the Certificate of Incorporation or these Bylaws, a majority of the outstanding shares of such class or classes or series, present in person or represented by proxy duly authorized, shall constitute a quorum entitled to take action with respect to that vote on that matter. Except where otherwise provided by statute or by the Certificate of Incorporation or these Bylaws, the affirmative vote of the majority (plurality, in the case of the election of directors) of votes cast at the meeting shall be the act of such class or classes or series.

SECTION 3.6 ADJOURNMENT AND NOTICE OF ADJOURNED MEETINGS. Any meeting of stockholders, whether annual or special, may be adjourned from time to time either by the chairman of the meeting or by the vote of a majority of the shares present in person or represented by proxy at the meeting. When a meeting is adjourned to another time or place, notice need not be given of the adjourned meeting if the time and place thereof, and the means of remote communication(s), if any, by which stockholders and proxyholders may be deemed to be present in person and vote at such adjourned meeting (as authorized by the Board of Directors in its sole discretion pursuant to Section 211(a)(2) of the DGCL), are announced at the meeting at which the adjournment is taken. At the adjourned meeting, the Corporation may transact any business which might have been transacted at the original meeting. If the adjournment is for more than thirty (30) days or if after the adjournment a new record date is fixed for the adjourned meeting, a notice of the adjourned meeting shall be given to each stockholder of record entitled to vote at the meeting.

SECTION 3.7 VOTING RIGHTS. For the purpose of determining those stockholders entitled to vote at any meeting of the stockholders, except as otherwise provided by law, only persons in whose names shares stand on the stock records of the Corporation on the record date, as provided in Section 7.4 of these Bylaws, shall be entitled to vote at any meeting of stockholders. Every person entitled to vote shall have the right to do so either in person or by an agent or agents authorized by a proxy granted in accordance with the DGCL. An agent so appointed need not be a stockholder. No proxy shall be voted after three (3) years from its date of creation unless the proxy provides for a longer period.

SECTION 3.8 JOINT OWNERS OF STOCK. If shares or other securities having voting power stand of record in the names of two (2) or more persons, whether fiduciaries, members of a partnership, joint tenants, tenants in common, tenants by the entirety, or otherwise, or if two (2) or more persons have the same fiduciary relationship respecting the same shares, unless the Secretary is given written notice to the contrary and is furnished with a copy of the instrument or order appointing them or creating the relationship wherein it is so provided, their acts with respect to voting shall have the following effect: (a) if only one (1) votes, his act binds all; (b) if more than one (1) votes, the act of the majority so voting binds all; (c) if more than one (1) votes, but the vote is evenly split on any particular matter, each faction may vote the securities in question proportionally, or may apply to the Delaware Court of Chancery for relief as provided in Section 217(b) of the DGCL. If the instrument filed with the Secretary shows that any such tenancy is held in unequal interests, a majority or even-split for the purpose of subsection (c) shall be a majority or even-split in interest.

SECTION 3.9 LIST OF STOCKHOLDERS. The Secretary shall prepare and make, at least ten (10) days before every meeting of stockholders, a complete list of the stockholders

entitled to vote at said meeting, arranged in alphabetical order, showing the address of each stockholder and the number of shares registered in the name of each stockholder. Nothing contained in this Section 3.9 shall require the Corporation to include electronic mail addresses or other electronic contact information on such list. Such list shall be open to the examination of any stockholder, for any purpose germane to the meeting, (a) on a reasonably accessible electronic network, provided that the information required to gain access to such list is provided with the notice of the meeting, or (b) during ordinary business hours, at the principal place of business of the Corporation. In the event the Corporation determines to make the list available on an electronic network, the Corporation may take reasonable steps to ensure that such information is available only to stockholders of the Corporation. The list shall be open to examination of any stockholder during the time of the meeting as provided by law.

SECTION 3.10 ACTION WITHOUT MEETING. Any action required to be taken at any annual or special meeting of stockholders of the Corporation, or any action which may be taken at any annual or special meeting of such stockholders, may not be taken without a meeting.

SECTION 3.11 ORGANIZATION.

(a) At every meeting of stockholders, (i) the Chairman of the Board of Directors or, if a Chairman of the Board of Directors has not been appointed or is absent, (ii) the Chief Executive Officer or, if the Chief Executive Officer is absent, (iii) the President or, if the President is absent, (iv) such person as the Chairman of the Board of Directors shall appoint or, if such chairman or committee has not been appointed, (v) any officer of the Corporation chosen by the Board of Directors, shall act as chairman of the meeting. The Secretary, or, in his absence, such person appointed by the chairman of the meeting, shall act as secretary of the meeting.

(b) The Board of Directors shall, in advance of any meeting of stockholders, appoint one (1) or more inspector(s), who may include individual(s) who serve the Corporation in other capacities, including without limitation as officers, employees or agents, to act at the meeting of stockholders and make a written report thereof. The Board of Directors may designate one (1) or more persons as alternate inspector(s) to replace any inspector, who fails to act. If no inspector or alternate has been appointed or is able to act at a meeting of stockholders, the chairman of the meeting shall appoint one (1) or more inspector(s) to act at the meeting. Each inspector, before discharging his duties, shall take and sign an oath to faithfully execute the duties of inspector with strict impartiality and according to the best of his ability. The inspector(s) or alternate(s) shall have the duties prescribed pursuant to Section 231 of the DGCL or other applicable law.

(c) The Board of Directors of the Corporation shall be entitled to make such rules or regulations for the conduct of meetings of stockholders as it shall deem necessary, appropriate or convenient. Subject to such rules and regulations of the Board of Directors, if any, the chairman of the meeting shall have the right and authority to prescribe such rules, regulations and procedures and to do all such acts as, in the judgment of such chairman, are necessary, appropriate or convenient for the proper conduct of the meeting, including, without limitation, establishing an agenda or order of business for the meeting, rules and procedures for maintaining order at the meeting and the safety of those present, limitations on participation in such meeting

to stockholders of record of the Corporation and their duly authorized and constituted proxies and such other persons as the chairman shall permit, restrictions on entry to the meeting after the time fixed for the commencement thereof, limitations on the time allotted to questions or comments by participants and regulation of the opening and closing of the polls for balloting on matters which are to be voted on by ballot. The date and time of the opening and closing of the polls for each matter upon which the stockholders will vote at the meeting shall be announced at the meeting. Unless and to the extent determined by the Board of Directors or the chairman of the meeting, meetings of stockholders shall not be required to be held in accordance with rules of parliamentary procedure.

ARTICLE IV DIRECTORS

SECTION 4.1 NUMBER AND TERM OF OFFICE. The authorized number of directors of the Corporation shall be fixed in accordance with the Certificate of Incorporation. Directors need not be stockholders unless so required by the Certificate of Incorporation. If for any reason the directors shall not have been elected at an annual meeting, they may be elected as soon thereafter as convenient at a special meeting of the stockholders called for that purpose in the manner provided in these Bylaws.

SECTION 4.2 POWERS. The powers of the Corporation shall be exercised, its business conducted and its property controlled by the Board of Directors, except as may be otherwise provided by statute or by the Certificate of Incorporation.

SECTION 4.3 CLASSES OF DIRECTORS.

(a) Subject to the rights of the holders of any series of preferred stock to elect additional directors under specified circumstances, the directors shall be divided into three classes, as nearly equal in number as possible, designated as Class I, Class II and Class III, respectively. At the annual meeting of stockholders held in 2005, the term of office of the Class I directors shall expire and Class I directors shall be elected for a term ending on the date of the third annual meeting of stockholders following the annual meeting at which such director was elected. At the annual meeting of stockholders held in 2006, the term of office of the Class II directors shall expire and Class II directors shall be elected for a term ending on the date of the third annual meeting of stockholders following the annual meeting at which such director was elected. At the annual meeting of stockholders held in 2007, the term of office of the Class III directors shall expire and Class III directors shall be elected for a term ending on the date of the third annual meeting of stockholders following the annual meeting at which such director was elected. At each succeeding annual meeting of stockholders, directors shall be elected for a term ending on the date of the third annual meeting of stockholders following the annual meeting at which such director was elected to succeed the directors of the class whose terms expire at such annual meeting. If any newly created directorship may, consistently with the rule that the three classes shall be as nearly equal in number as possible, be allocated to more than one class, the Board of Directors shall allocate it to the available class whose term of office is due to expire at the earliest date following such allocation. No decrease in the number of directors constituting the Board of Directors shall shorten the term of any incumbent director.

(b) Directors need not be stockholders unless so required by the Certificate of Incorporation. The Certificate of Incorporation or these Bylaws may prescribe other qualifications for directors.

(c) Notwithstanding the foregoing provisions of this section, each director shall serve until his successor is duly elected and qualified or until his earlier death, resignation, disqualification or removal. No decrease in the number of directors constituting the Board of Directors shall shorten the term of any incumbent director.

SECTION 4.4 VACANCIES. Unless otherwise provided in the Certificate of Incorporation and subject to the rights of the holders of any series of Preferred Stock, any vacancies on the Board of Directors resulting from death, resignation, disqualification, removal or other causes and any newly created directorships resulting from any increase in the number of directors shall, unless the Board of Directors determines by resolution that any such vacancies or newly created directorships shall be filled by stockholders, be filled only by the affirmative vote of a majority of the directors then in office, even though less than a quorum of the Board of Directors. Any director elected in accordance with the preceding sentence shall hold office for the remainder of the full term of the director for which the vacancy was created or occurred and until such director's successor shall have been elected and qualified. A vacancy in the Board of Directors shall be deemed to exist under this Section 4.4 in the case of the death, removal, disqualification or resignation of any director.

SECTION 4.5 RESIGNATION. Any director may resign at any time by delivering his or her notice in writing or by electronic transmission to the Secretary, such resignation to specify whether it will be effective at a particular time, upon receipt by the Secretary or at the pleasure of the Board of Directors. If no such specification is made, it shall be deemed effective at the pleasure of the Board of Directors. When one or more directors shall resign from the Board of Directors effective at a future date, a majority of the directors then in office, including those who have so resigned, shall have the power to fill such vacancy or vacancies, the vote thereon to take effect when such resignation or resignations shall become effective, and each director so chosen shall hold office for the unexpired portion of the term of the director whose place shall be vacated and until his successor shall have been duly elected and qualified.

SECTION 4.6 REMOVAL. Subject to the rights of the holders of any series of Preferred Stock then outstanding, any one or more or all of the directors may be removed from the Board of Directors, but only for cause and only by the affirmative vote of the holders of at least a majority of the voting power of all then outstanding shares of capital stock of the Corporation then entitled to vote in the election of directors, voting together as a single class.

SECTION 4.7 MEETINGS.

(a) REGULAR MEETINGS. Unless otherwise restricted by the Certificate of Incorporation, regular meetings of the Board of Directors may be held at any time or date and at any place within or without the State of Delaware which has been designated by the Board of Directors and publicized among all directors, either orally or in writing, by telephone, including

a voice-messaging system or other system designed to record and communicate messages, facsimile, telegraph or telex, or by electronic mail or other electronic means. No further notice shall be required for regular meetings of the Board of Directors.

(b) SPECIAL MEETINGS. Unless otherwise restricted by the Certificate of Incorporation, special meetings of the Board of Directors may be held at any time and place within or without the State of Delaware whenever called by the Chairman of the Board of Directors, the President, or a majority of the directors then in office.

(c) MEETINGS BY ELECTRONIC COMMUNICATIONS EQUIPMENT. Any member of the Board of Directors, or of any committee thereof, may participate in a meeting by means of conference telephone or other communications equipment pursuant to which all persons participating in the meeting can hear each other, and participation in a meeting by such means shall constitute presence in person at such meeting.

(d) NOTICE OF SPECIAL MEETINGS. Notice of the time and place of all special meetings of the Board of Directors shall be given to each director (i) by giving notice to such director in person or by telephone, including a voice messaging system or other system designed to record and communicate messages, during normal business hours, at least twenty-four (24) hours before the meeting (ii) by sending a telegram or delivering notice by facsimile transmission, by electronic mail or by hand, to such director at his last known business or home address, during normal business hours, at least twenty-four (24) hours before the meeting, or (iii) by mailing notice, via first class United States mail, to such director at his last known business or home address at least three (3) days in advance of the meeting. Notice of any meeting may be waived in writing, or by electronic transmission, at any time before or after the meeting and will be waived by any director by attendance thereat, except when the director attends the meeting for the express purpose of objecting, at the beginning of the meeting, to the transaction of any business because the meeting is not lawfully called or convened. Notice of a special meeting of the Board of Directors need not specify the purpose of the meeting.

(e) WAIVER OF NOTICE. The transaction of all business at any meeting of the Board of Directors, or any committee thereof, however called or noticed, or wherever held, shall be as valid as though had at a meeting duly held after regular call and notice, if a quorum be present and if, either before or after the meeting, each of the directors not present who did not receive notice shall sign a written waiver of notice or shall waive notice by electronic transmission. All such waivers shall be filed with the corporate records or made a part of the minutes of the meeting. Neither the business to be transacted at, nor the purpose of, any regular or special meeting of the Board of Directors need be specified in any written waiver of notice or any waiver by electronic transmission.

SECTION 4.8 QUORUM AND VOTING.

(a) Unless the Certificate of Incorporation requires a greater number, a quorum of the Board of Directors shall consist of a majority of the directors then in office. In the event one or more directors shall be disqualified to vote at any meeting, then the required quorum shall be reduced by one for each such director so disqualified; provided, however, that in

no case shall less than one-third ($\frac{1}{3}$) of the total number of directors constitute a quorum. At any meeting whether a quorum be present or otherwise, a majority of the directors present may adjourn from time to time until the time fixed for the next regular meeting of the Board of Directors, without notice other than by announcement at the meeting.

(b) At each meeting of the Board of Directors at which a quorum is present, all questions and business shall be determined by the affirmative vote of a majority of the directors present, unless a different vote be required by law, the Certificate of Incorporation or these Bylaws.

SECTION 4.9 ACTION WITHOUT MEETING. Unless otherwise restricted by the Certificate of Incorporation or these Bylaws, 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 all members of the Board of Directors or committee, as the case may be, consent thereto in writing or by electronic transmission, and such writing or writings or transmission or transmissions are filed with the minutes of proceedings of the Board of Directors or committee. 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.

SECTION 4.10 FEES AND COMPENSATION. Directors shall be entitled to such compensation for their services as may be approved by the Board of Directors, or any committee thereof, including, if so approved by resolution of the Board of Directors or such committee, a fixed sum and expenses of attendance, if any, for attendance at each regular or special meeting of the Board of Directors and at any meeting of a committee of the Board of Directors. Nothing herein contained shall be construed to preclude any director from serving the Corporation in any other capacity as an officer, agent, employee, or otherwise and receiving compensation therefor.

SECTION 4.11 COMMITTEES.

(a) EXECUTIVE COMMITTEE. The Board of Directors may appoint an Executive Committee to consist of one (1) or more members of the Board of Directors. The Executive Committee, to the extent permitted by law and provided in the resolution of the Board of Directors shall have and may exercise all the powers and authority of the Board of Directors in the management of the business and affairs of the Corporation, and may authorize the seal of the Corporation to be affixed to all papers which may require it; but no such committee shall have the power or authority in reference to (i) approving or adopting, or recommending to the stockholders, any action or matter expressly required by the DGCL to be submitted to stockholders for approval, or (ii) adopting, amending or repealing any provision of these Bylaws.

(b) OTHER COMMITTEES. The Board of Directors may, from time to time, appoint such other committees as may be permitted by law. Such other committees appointed by the Board of Directors shall consist of one (1) or more members of the Board of Directors and shall have such powers and perform such duties as may be prescribed by the resolution or resolutions creating such committees, but in no event shall any such committee have the powers denied to the Executive Committee in these Bylaws.

(c) TERM. The Board of Directors, subject to any requirements of any outstanding series of Preferred Stock and the provisions of subsections (a) and (b) of this Section 4.11, may at any time increase or decrease the number of members of a committee or terminate the existence of a committee. The membership of a committee member shall terminate on the date of his death or voluntary resignation from the committee or from the Board of Directors. The Board of Directors may at any time for any reason remove any individual committee member and the Board of Directors may fill any committee vacancy created by death, resignation, removal or increase in the number of members of the committee. The Board of Directors may designate one or more directors as alternate members of any committee, who may replace any absent or disqualified member at any meeting of the committee, and, in addition, in the absence or disqualification of any 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.

(d) MEETINGS. Unless the Board of Directors shall otherwise provide, regular meetings of the Executive Committee or any other committee appointed pursuant to this Section 4.11 shall be held at such times and places as are determined by the Board of Directors, or by any such committee, and when notice thereof has been given to each member of such committee, no further notice of such regular meetings need be given thereafter. Special meetings of any such committee may be held at any place which has been determined from time to time by such committee, and may be called by any director who is a member of such committee, upon notice to the members of such committee of the time and place of such special meeting given in the manner provided for the giving of notice to members of the Board of Directors of the time and place of special meetings of the Board of Directors. Notice of any special meeting of any committee may be waived in writing at any time before or after the meeting and will be waived by any director by attendance thereat, except when the director attends such special meeting for the express purpose of objecting, at the beginning of the meeting, to the transaction of any business because the meeting is not lawfully called or convened. Unless otherwise provided by the Board of Directors in the resolutions authorizing the creation of the committee, a majority of the members of any such committee shall constitute a quorum for the transaction of business, and the act of a majority of those present at any meeting at which a quorum is present shall be the act of such committee.

SECTION 4.12 ORGANIZATION. At every meeting of the directors, the Chairman of the Board of Directors, or, if a Chairman of the Board of Directors has not been appointed or is absent, the President (if a director), or if the President is absent, the most senior Vice President (if a director), or, in the absence of any such person, a chairman of the meeting chosen by a majority of the directors present, shall preside over the meeting. The Secretary, or in his absence, such person appointed by the chairman of the meeting, shall act as secretary of the meeting.

ARTICLE V OFFICERS

SECTION 5.1 OFFICERS DESIGNATED. The officers of the Corporation shall include, if and when designated by the Board of Directors, the Chairman of the Board of

Directors, the Chief Executive Officer, the President, one or more Vice Presidents, the Secretary, the Chief Financial Officer and the Treasurer, all of whom shall be elected at the annual organizational meeting of the Board of Directors. The Board of Directors may also appoint one or more Assistant Secretaries, Assistant Treasurers and such other officers and agents with such powers and duties as it shall deem necessary. The Board of Directors may assign such additional titles to one or more of the officers as it shall deem appropriate. Any one person may hold any number of offices of the Corporation at any one time unless specifically prohibited therefrom by law. The salaries and other compensation of the officers of the Corporation shall be fixed by or in the manner designated by the Board of Directors or a committee thereof.

SECTION 5.2 TENURE AND DUTIES OF OFFICERS.

(a) GENERAL. All officers shall hold office at the pleasure of the Board of Directors and until their successors shall have been duly elected and qualified, unless sooner removed. Any officer elected or appointed by the Board of Directors may be removed at any time by the Board of Directors, subject to the rights, if any, of an officer under contract of employment. If the office of any officer becomes vacant for any reason, the vacancy may be filled by the Board of Directors.

(b) CHAIRMAN OF THE BOARD OF DIRECTORS. The Chairman of the Board of Directors, if such an officer be elected, shall, if present, preside at meetings of the Board of Directors and stockholders and exercise and perform such other powers and duties as may from time to time be assigned to him by the Board of Directors or as may be prescribed by these Bylaws. If there is no Chief Executive Officer or President, then the Chairman of the Board of Directors shall also be the Chief Executive Officer of the Corporation and as such shall also have the powers and duties prescribed in Section 5.2(c) below.

(c) CHIEF EXECUTIVE OFFICER. Subject to such supervisory powers, if any, as the Board of Directors may give to the Chairman of the Board of Directors, the Chief Executive Officer, if any, shall, subject to the control of the Board of Directors, have general supervision, direction, and control of the business and affairs of the Corporation and shall report directly to the Board of Directors. All other officers, officials, employees and agents shall report directly or indirectly to the Chief Executive Officer. The Chief Executive Officer shall see that all orders and resolutions of the Board of Directors are carried into effect. In the absence of a Chairman of the Board of Directors, the Chief Executive Officer shall preside at all meetings of the Board of Directors.

(d) PRESIDENT. In the absence or disability of the Chief Executive Officer, the President shall perform all the duties of the Chief Executive Officer. When acting as the Chief Executive Officer, the President shall have all the powers of, and be subject to all the restrictions upon, the Chief Executive Officer. The President shall have such other powers and perform such other duties as from time to time may be prescribed for him by the Board of Directors, these Bylaws, the Chief Executive Officer or the Chairman of the Board of Directors.

(e) VICE PRESIDENT. In the absence or disability of the President, the Vice President(s), if any, in order of their rank as fixed by the Board of Directors or, if not ranked, a

Vice President designated by the Board of Directors, shall perform all the duties of the President and, when so acting, shall have all the powers of, and be subject to all the restrictions upon, the President. The Vice President(s) shall have such other powers and perform such other duties as from time to time may be prescribed for them respectively by the Board of Directors, these Bylaws, the Chairman of the Board of Directors, the Chief Executive Officer or, in the absence of a Chief Executive Officer, the President.

(f) **GENERAL COUNSEL.** The General Counsel shall serve as the Corporation's primary in-house legal counsel and shall discharge such other duties as may from time to time be assigned by the Board of Directors, the Chief Executive Officer or the President.

(g) **SECRETARY.** The Secretary shall keep or cause to be kept, at the principal executive office of the Corporation, or such other place as the Board of Directors may direct, a book of minutes of all meetings and actions of directors, committees of directors, and stockholders. The minutes shall show the time and place of each meeting, whether regular or special (and, if special, how authorized and the notice given), the names of those present at directors' meetings or committee meetings, the number of shares present or represented at stockholders' meetings, and the proceedings thereof.

The Secretary shall keep, or cause to be kept, at the principal executive office of the Corporation or at the office of the Corporation's transfer agent or registrar, as determined by resolution of the Board of Directors, a share register, or a duplicate share register, showing the names of all stockholders and their addresses, the number and classes of shares held by each, the number and date of certificates evidencing such shares, and the number and date of cancellation of every certificate surrendered for cancellation.

The Secretary shall give, or cause to be given, notice of all meetings of the stockholders, the Board of Directors and any committee(s) of the Board of Directors, required to be given by law or by these Bylaws. The Secretary shall keep the seal of the Corporation, if one be adopted, in safe custody and shall have such other powers and perform such other duties as may be prescribed by the Board of Directors or by these Bylaws.

(h) **CHIEF FINANCIAL OFFICER.** The Chief Financial Officer shall keep and maintain, or cause to be kept and maintained, adequate and correct books and records of accounts of the properties and business transactions of the Corporation, including accounts of its assets, liabilities, receipts, disbursements, gains, losses, capital and retained earnings.

The Chief Financial Officer shall deposit all money and other valuables in the name and to the credit of the Corporation with such depositories as may be designated by the Board of Directors or Chief Executive Officer. The Chief Financial Officer shall disburse the funds of the Corporation as may be ordered by the Board of Directors, shall render to the Board of Directors and Chief Executive Officer, or in the absence of a Chief Executive Officer, the President, whenever they request, an account of all of his transactions as Chief Financial Officer and of the financial condition of the Corporation, and shall have such other powers and perform such other duties as may be prescribed by the Board of Directors or these Bylaws. In lieu of any contrary

resolution duly adopted by the Board of Directors, the Chief Financial Officer shall also be the Treasurer of the Corporation.

(i) ASSISTANT SECRETARY. The Assistant Secretary(ies), if any, in the order determined by the Board of Directors (or if there be no such determination, then in the order of their election) shall, in the absence of the Secretary or in the event of his inability or refusal to act, perform the duties and exercise the powers of the Secretary and shall perform such other duties and have such other powers as the Board of Directors may from time to time prescribe.

(j) ASSISTANT TREASURER. The Assistant Treasurer(s), if any, in the order determined by the Board of Directors (or if there be no such determination, then in the order of their election), shall, in the absence of the Chief Financial Officer or in the event of his or her inability or refusal to act, perform the duties and exercise the powers of the Chief Financial Officer and shall perform such other duties and have such other powers as the Board of Directors may from time to time prescribe.

SECTION 5.3 DELEGATION OF AUTHORITY. The Board of Directors may from time to time delegate the powers or duties of any officer to any other officer or agent, notwithstanding any provision hereof.

SECTION 5.4 RESIGNATIONS. Any officer may resign at any time by giving notice in writing or by electronic transmission to the Board of Directors or to the President or to the Secretary. Any such resignation shall be effective when received by the person or persons to whom such notice is given, unless a later time is specified therein, in which event the resignation shall become effective at such later time. Unless otherwise specified in such notice, the acceptance of any such resignation shall not be necessary to make it effective. Any resignation shall be without prejudice to the rights, if any, of the Corporation under any contract with the resigning officer.

SECTION 5.5 REMOVAL. Subject to the rights, if any, of an officer under contract of employment, any officer may be removed from office at any time, either with or without cause, by the affirmative vote of a majority of the directors in office at the time, or by the unanimous written consent of the directors in office at the time, or by any committee or superior officers upon whom such power of removal may have been conferred by the Board of Directors.

ARTICLE VI
EXECUTION OF CORPORATE INSTRUMENTS AND VOTING
OF SECURITIES OWNED BY THE CORPORATION

SECTION 6.1 EXECUTION OF CORPORATE INSTRUMENTS. The Board of Directors may, in its discretion, determine the method and designate the signatory officer or officers, or other person or persons, to execute on behalf of the Corporation any corporate instrument or document, or to sign on behalf of the Corporation the corporate name without limitation, or to enter into contracts on behalf of the Corporation, except where otherwise provided by law or these Bylaws, and such execution or signature shall be binding upon the Corporation.

All checks and drafts drawn on banks or other depositaries on funds to the credit of the Corporation or in special accounts of the Corporation shall be signed by such person or persons as the Board of Directors shall authorize so to do.

Unless authorized or ratified by the Board of Directors or within the agency power of an officer, no officer, agent or employee 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 for any amount.

SECTION 6.2 VOTING OF SECURITIES OWNED BY THE CORPORATION. All stock and other securities of other Corporations owned or held by the Corporation for itself, or for other parties in any capacity, shall be voted, and all proxies with respect thereto shall be executed, by the person authorized so to do by resolution of the Board of Directors, or, in the absence of such authorization, by the Chairman of the Board of Directors, the Chief Executive Officer, the President, or any Vice President.

ARTICLE VII
SHARES OF STOCK

SECTION 7.1 FORM AND EXECUTION OF CERTIFICATES. Shares of stock of the Corporation shall be represented by certificates, or shall be uncertificated. Certificates for the shares of stock of the Corporation, if any, shall be in such form as is consistent with the Certificate of Incorporation and applicable law. Every holder of stock represented by certificate shall be entitled to have a certificate signed by or in the name of the Corporation by the Chairman of the Board of Directors, or the President or any Vice President and by the Treasurer or Assistant Treasurer or the Secretary or Assistant Secretary, certifying the number of shares owned by him in the Corporation. Any or all of the signatures on the 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 be issued with the same effect as if he were such officer, transfer agent, or registrar at the date of issue.

SECTION 7.2 LOST CERTIFICATES. A new certificate or certificates shall be issued in place of any certificate or certificates theretofore issued by the Corporation alleged to have

been lost, stolen, or destroyed, upon the making of an affidavit of that fact by the person claiming the certificate of stock to be lost, stolen, or destroyed. The Corporation may require, as a condition precedent to the issuance of a new certificate or certificates, the owner of such lost, stolen, or destroyed certificate or certificates, or the owner's legal representative, to agree to indemnify the Corporation in such manner as it shall require or to give the Corporation a surety bond in such form and amount as it may direct as indemnity against any claim that may be made against the Corporation with respect to the certificate alleged to have been lost, stolen, or destroyed.

SECTION 7.3 TRANSFERS.

(a) Transfers of record of shares of stock of the Corporation shall be made only upon its books by the holders thereof, in person or by attorney duly authorized, and, in the case of stock represented by certificate, upon the surrender of a properly endorsed certificate or certificates for a like number of shares.

(b) The Corporation shall have power to enter into and perform any agreement with any number of stockholders of any one or more classes of stock of the Corporation to restrict the transfer of shares of stock of the Corporation of any one or more classes owned by such stockholders in any manner not prohibited by the DGCL.

SECTION 7.4 FIXING RECORD DATES.

(a) 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, the Board of Directors may fix, in advance, 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 shall, subject to applicable law, not be more than sixty (60) nor less than ten (10) days before the date of such meeting. If no record date is fixed by the Board of Directors, 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. A determination of stockholders of record entitled to notice of or to vote at a meeting of stockholders shall apply to any adjournment of the meeting; provided, however, that the Board of Directors may fix a new record date for the adjourned meeting.

(b) In order that the Corporation may determine the stockholders entitled to receive payment of any dividend or other distribution or allotment of any rights or the stockholders 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 record date shall not precede the date upon which the resolution fixing the record date is adopted, and which record date shall be not more than sixty (60) days prior to such action. If no record date is fixed, the record date for determining stockholders for any such purpose shall be at the close of business on the day on which the Board of Directors adopts the resolution relating thereto.

SECTION 7.5 REGISTERED STOCKHOLDERS. The Corporation shall be entitled to recognize the exclusive right of a person registered on its books as the owner of shares to receive dividends, and to vote as such owner, and shall not be bound to recognize any equitable or other claim to or interest in such share or shares on the part of any other person whether or not it shall have express or other notice thereof, except as otherwise provided by Delaware law.

ARTICLE VIII
OTHER SECURITIES OF THE CORPORATION

SECTION 8.1 EXECUTION OF OTHER SECURITIES. All bonds, debentures and other corporate securities of the Corporation, other than stock certificates (covered in Section 7.1), may be signed by the Chairman of the Board of Directors, the President or any Vice President, or such other person as may be authorized by the Board of Directors, and the corporate seal, if any, may be impressed thereon or a facsimile of such seal imprinted thereon and attested by the signature of the Secretary or an Assistant Secretary, or the Chief Financial Officer or Treasurer or an Assistant Treasurer; provided, however, that where any such bond, debenture or other corporate security shall be authenticated by the manual signature, or where permissible facsimile signature, of a trustee under an indenture pursuant to which such bond, debenture or other corporate security shall be issued, the signatures of the persons signing and, if applicable, attesting the corporate seal on such bond, debenture or other corporate security may be the imprinted facsimile of the signatures of such persons. Interest coupons appertaining to any such bond, debenture or other corporate security, authenticated by a trustee as aforesaid, shall be signed by the Treasurer or an Assistant Treasurer of the Corporation or such other person as may be authorized by the Board of Directors, or bear imprinted thereon the facsimile signature of such person. In case any officer who shall have signed or attested any bond, debenture or other corporate security, or whose facsimile signature shall appear thereon or on any such interest coupon, shall have ceased to be such officer before the bond, debenture or other corporate security so signed or attested shall have been delivered, such bond, debenture or other corporate security nevertheless may be adopted by the Corporation and issued and delivered as though the person who signed the same or whose facsimile signature shall have been used thereon had not ceased to be such officer of the Corporation.

ARTICLE IX
DIVIDENDS

SECTION 9.1 DECLARATION OF DIVIDENDS. Dividends upon the capital stock of the Corporation, subject to the provisions of the Certificate of Incorporation and applicable law, if any, may be declared by the Board of Directors pursuant to law at any regular or special meeting. Dividends may be paid in cash, in property, or in shares of the capital stock, subject to the provisions of the Certificate of Incorporation and applicable law.

SECTION 9.2 DIVIDEND RESERVE. Before payment of any dividend, there may be set aside out of any funds of the Corporation available for dividends such sum or sums as the Board of Directors from time to time, in their absolute discretion, think proper as a reserve or reserves to meet contingencies, or for equalizing dividends, or for repairing or maintaining any property of the Corporation, or for such other purpose as the Board of Directors shall think conducive to the interests of the Corporation, and the Board of Directors may modify or abolish any such reserve in the manner in which it was created.

ARTICLE X
FISCAL YEAR

SECTION 10.1 FISCAL YEAR. The fiscal year of the Corporation shall be fixed by resolution of the Board of Directors.

ARTICLE XI
INDEMNIFICATION AND ADVANCEMENT OF EXPENSES

SECTION 11.1 RIGHT TO INDEMNIFICATION. The Corporation shall indemnify each person who is or was 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, by reason of the fact that the person 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 or of a partnership, joint venture, trust or other enterprise, from and against all expense, liability and loss (including, without limitation, attorney's fees, judgments, fines, penalties and amounts paid in settlement) actually and reasonably incurred or suffered by such person in connection with such action, suit or proceeding, to the fullest extent permitted under the DGCL, as it exists on the date hereof or as it may hereafter be amended; provided, however, that, except as provided in Section 11.3 below with respect to proceedings to enforce rights to indemnification, the Corporation shall not be required to indemnify any such person seeking indemnification in connection with an action, suit or proceeding (or part thereof) initiated by such person unless such action, suit or proceeding (or part thereof) was authorized by the Board of Directors.

SECTION 11.2 RIGHT TO ADVANCEMENT OF EXPENSES. With respect to any person who is a party or is threatened to be made a party to any threatened or pending action, suit or proceeding, whether civil, criminal, administrative or investigative, by reason of the fact that the person 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 or of a partnership, joint venture, trust or other enterprise, the Corporation may, in its discretion and upon such terms and conditions, if any, as the Corporation deems appropriate, advance the expenses incurred by such person in defending such action, suit or proceeding prior to its final disposition.

SECTION 11.3 ENFORCEMENT. Without the necessity of entering into an express contract, all rights under this Article XI to indemnification to each 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 or of a partnership, joint venture, trust or other enterprise, shall be deemed to be contractual rights and be effective to the same extent and as if provided for in a contract between the Corporation and such other person. Any right to indemnification granted by this Article XI to each 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 or of a partnership, joint venture, trust or other enterprise, shall be enforceable by or on behalf of the person holding such right in any court of competent jurisdiction if (i) the claim for indemnification is denied, in

whole or in part, or (ii) no disposition of such claim is made within ninety (90) days of request therefor. The claimant in such enforcement action, to the extent successful, shall be entitled to be paid also the expense of prosecuting the claim. In connection with any claim for indemnification, the Corporation shall be entitled to raise as a defense to any such action that the claimant has not met the standards of conduct that make it permissible under the DGCL or any other applicable law for the Corporation to indemnify the claimant for the amount claimed. Neither the failure of the Corporation (including its Board of Directors, a committee of the Board of Directors, independent legal counsel or its stockholders) to have made a determination prior to the commencement of such action that indemnification of the claimant is proper in the circumstances because he has met the applicable standard of conduct set forth in the DGCL or any other applicable law, nor an actual determination by the Corporation (including its Board of Directors, a committee of the Board of Directors, independent legal counsel or its stockholders) that the claimant has not met such applicable standard of conduct, shall be a defense to the action or create a presumption that claimant has not met the applicable standard of conduct. In any suit brought by person to enforce a right to indemnification hereunder, the burden of proving that such person is not entitled to be indemnified under this Article XI or otherwise shall be on the Corporation.

SECTION 11.4 NON-EXCLUSIVITY OF RIGHTS. The rights to indemnification and to the advancement of expenses conferred in this Article XI shall not be exclusive of any other right which a person may have or hereafter acquire under any applicable law (statutory or common), the Certificate of Incorporation, these Bylaws, 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 office. The Corporation is specifically authorized to enter into individual contracts with any or all of its directors, officers, employees or agents respecting indemnification and the advancement of expenses, to the fullest extent not prohibited by the DGCL or by any other applicable law.

SECTION 11.5 SURVIVAL OF RIGHTS. The rights to indemnification and to the advancement of expenses conferred by this Article XI 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.

SECTION 11.6 INSURANCE. The Corporation may 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 such person and incurred by such person in any such capacity, or arising out of such person's status as such, whether or not the Corporation would have the power to indemnify such person against such liability under this Article XI, the DGCL or otherwise.

SECTION 11.7 AMENDMENTS. Any amendment, repeal or modification of, or adoption of any provision inconsistent with, this Article XI (or any provision hereof), shall not adversely affect any right to indemnification or advancement of expenses granted to any person pursuant hereto with respect to any act or omission of such person occurring prior to the time of such amendment, repeal, modification or adoption (regardless of whether the action suit or

proceeding relating to such acts or omissions is commenced before or after the time of such amendment, repeal, modification or adoption.

SECTION 11.8 SAVING CLAUSE. If this Article XI or any portion hereof shall be invalidated on any ground by any court of competent jurisdiction, then the Corporation shall nevertheless indemnify each director, officer, employee and agent to the fullest extent not prohibited by any applicable portion of this Article XI that shall not have been invalidated, or by any other applicable law. If this Article XI shall be invalid due to the application of the indemnification provisions of another jurisdiction, then the Corporation shall indemnify each director, officer, employee and agent to the fullest extent under any other applicable law.

SECTION 11.9 CERTAIN DEFINITIONS. For purposes of this Article XI:

(1) References to the “Corporation” shall include, in addition to the resulting corporation, any constituent corporation (including any constituent of a constituent) absorbed in a consolidation or merger which, if its separate existence had continued, would have had power and authority to indemnify its directors, officers, employees and agents, so that any person who was a director, officer, employee or agent of such constituent corporation, 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 this Article XI with respect to the resulting or surviving corporation as such person would have with respect to such constituent corporation if its separate existence had continued.

(2) References to “other enterprises” shall include, without limitation, employee benefit plans; references to “fines” shall include any excise taxes assessed on a person with respect to an employee benefit plan; and references to “serving at the request of the Corporation” shall include, without limitation, any service as a director, officer, employee or agent of the Corporation which imposes duties on, or involves services by, such director, officer, employee, or agent with respect to an employee benefit plan, its participants, or beneficiaries; and a person who acted in good faith and in a manner he reasonably believed to be in the interest of the participants and beneficiaries of an employee benefit plan shall be deemed to have acted in a manner “not opposed to the best interests of the Corporation” as referred to in this Article XI.

ARTICLE XII
NOTICES

SECTION 12.1 NOTICES.

(a) NOTICE TO STOCKHOLDERS. Written notice to stockholders of stockholder meetings shall be given as provided in Section 3.4 herein. Without limiting the manner by which notice may otherwise be given effectively to stockholders under any agreement or contract with such stockholder, and except as otherwise required by law, written notice to stockholders for purposes other than stockholder meetings may be sent by United States mail or nationally recognized overnight courier, or by facsimile, telegraph or telex or by electronic mail or other electronic means.

(b) NOTICE TO DIRECTORS. Any notice required to be given to any director may be given by the method stated in subsection (a) above, as otherwise provided in these Bylaws, except that such notice (other than one which is delivered personally) shall be sent to such address as such director shall have filed in writing with the Secretary, or, in the absence of such filing, to the last known post office address of such director.

(c) AFFIDAVIT OF MAILING. An affidavit of mailing, executed by a duly authorized and competent employee of the Corporation or its transfer agent appointed with respect to the class of stock affected, or other agent, specifying the name and address or the names and addresses of the stockholder or stockholders, or director or directors, to whom any such notice or notices was or were given, and the time and method of giving the same, shall in the absence of fraud, be prima facie evidence of the facts therein contained.

(d) METHODS OF NOTICE. It shall not be necessary that the same method of giving notice be employed in respect of all recipients of notice, but one permissible method may be employed in respect of any one or more recipients, and any other permissible method or methods may be employed in respect of any other or others.

(e) NOTICE TO PERSON WITH WHOM COMMUNICATION IS UNLAWFUL. Whenever notice is required to be given, under any provision of the DGCL, the Certificate of Incorporation or these Bylaws, to any person with whom communication is unlawful, the giving of such notice to such person shall not be required and there shall be no duty to apply to any governmental authority or agency for a license or permit to give such notice to such person. Any action or meeting which shall be taken or held without notice to any such person with whom communication is unlawful shall have the same force and effect as if such notice had been duly given. In the event the action taken by the Corporation is such as to require the filing of a certificate under any provision of the DGCL, the certificate shall state, if such is the fact and if notice is required, that notice was given to all persons entitled to receive notice except such persons with whom communication is unlawful.

(f) NOTICE RETURNED UNDELIVERABLE. Whenever notice is required to be given, under any provision of the DGCL, the Certificate of Incorporation or these Bylaws, to any stockholder to whom (i) notice of two (2) consecutive annual meetings, or (ii) all, and at

least two (2), payments (if sent by first-class mail) of dividends or interest on securities during a twelve (12) month period, have been mailed addressed to such person at such person's address as shown on the records of the Corporation and have been returned undeliverable, the giving of such notice to such person shall not be required. Any actions or meeting which shall be taken or held without notice to such person shall have the same force and effect as if such notice had been duly given. If any such person shall deliver to the Corporation a written notice setting forth such person's then current address, the requirement that notice be given to such person shall be reinstated. In the event that the action taken by the Corporation is such as to require the filing of a certificate under any provision of the DGCL, the certificate need not state that the Corporation did not give notice to persons not required to be given notice pursuant to Section 230(b) of the DGCL. The exception in clause (i) above to the requirement that notice be given shall not be applicable to any notice returned as undeliverable if the notice was given by electronic transmission.

(g) NOTICE TO STOCKHOLDERS SHARING AN ADDRESS. Except as otherwise prohibited under the DGCL, any notice given under the provisions of the DGCL, the Certificate of Incorporation or these Bylaws shall be effective if given by a single written notice to stockholders who share an address if consented to by the stockholders at that address to whom such notice is given. Such consent shall be deemed to have been given if such stockholder fails to object in writing to the Corporation within 60 days of having been given notice by the Corporation of its intention to send the single notice. Any consent shall be revocable by the stockholder by written notice to the Corporation.

(h) NOTICE BY ELECTRONIC TRANSMISSION. Without limiting the manner by which notice otherwise may be given effectively to stockholders, any notice to stockholders given by the Corporation under any provision of the DGCL, the Certificate of Incorporation or these Bylaws shall be effective if given by a form of electronic transmission previously consented to by the stockholder to whom the notice is given. Any such consent shall be revocable by the stockholder by written notice to the Corporation. Any such consent shall be deemed revoked if (i) the Corporation is unable to deliver by electronic transmission two (2) consecutive notices given by the Corporation in accordance with such consent, and (ii) such inability becomes known to the Secretary or an Assistant Secretary of the Corporation, the transfer agent or other person responsible for the giving of notice; provided, however, the inadvertent failure to treat such inability as a revocation shall not invalidate any meeting or other action.

Notice given pursuant to the above paragraph shall be deemed given (i) if by facsimile telecommunication, when directed to a number at which the stockholder has consented to receive notice, (ii) if by electronic mail, when directed to an electronic mail address at which the stockholder has consented to receive notice, (iii) if by a posting on an electronic network together with a separate notice to the stockholder of such specific posting, upon the later of (A) such posting and (B) the giving of such separate notice, and (iv) if by any other form of electronic transmission, when directed to the stockholder. An affidavit of the Secretary or Assistant Secretary, the transfer agent or other agent of the Corporation that the notice has been given by a form of electronic transmission shall in the absence of fraud, be prima facie evidence of the facts stated therein.

For purposes of these Bylaws, “electronic transmission” means any form of communication, not directly involving the physical transmission of paper, that creates a record that may be retained, retrieved and reviewed by a recipient thereof, and that may be directly reproduced in paper form by such a recipient through an automated process. This Section 12.1 shall not apply to Section 164 (failure to pay for stock; remedies), Section 296 (adjudication of claims; appeal), Section 311 (revocation of voluntary dissolution), Section 312 (renewal, revival, extension and restoration of certificate of incorporation) or Section 324 (attachment of shares of stock) of the DGCL.

ARTICLE XIII AMENDMENTS

SECTION 13.1 AMENDMENTS. The Board of Directors is expressly empowered to adopt, amend or repeal the Bylaws of the Corporation. Any adoption, amendment or repeal of the Bylaws of the Corporation by the Board of Directors shall require the approval of a majority of the directors then in office. The stockholders shall also have power to adopt, amend or repeal the Bylaws of the Corporation; provided, however, that, in addition to any vote of the holders of any class or series of stock of the Corporation required by law or by the Certificate of Incorporation, the affirmative vote of the holders of at least sixty-six and two-thirds percent (66-2/3%) of the voting power of all of the then-outstanding shares of the capital stock of the Corporation entitled to vote generally in the election of directors, voting together as a single class, shall be required to adopt, amend or repeal any provision of the Bylaws of the Corporation.

ARTICLE XIV RECORDS AND REPORTS

SECTION 14.1 MAINTENANCE AND INSPECTION OF RECORDS.

(a) The Corporation shall, either at its principal executive office or at such place or places as designated by the Board of Directors, keep a record of its stockholders listing their names and addresses and the number and class of shares held by each stockholder, a copy of these Bylaws, minute books, accounting books and other records. Any such records maintained by the Corporation may be kept on, or by means of, or be in the form of, any information storage device or method, provided that the records so kept can be converted into clearly legible paper form within a reasonable time. The Corporation shall so convert any records so kept upon the request of any person entitled to inspect such records pursuant to the provisions of the DGCL. When records are kept in such manner, a clearly legible paper form produced from or by means of the information storage device or method shall be admissible in evidence, and accepted for all other purposes, to the same extent as an original paper form accurately portrays the record.

(b) Any stockholder of record, in person or by attorney or other agent, shall, upon written demand under oath stating the purpose thereof, have the right during the usual hours for business to inspect for any proper purpose the Corporation’s stock ledger, a list of its stockholders, and its other books and records and to make copies or extracts therefrom. A proper purpose shall mean a purpose reasonably related to such person’s interest as a stockholder. In

every instance where an attorney or other agent is the person who seeks the right to inspection, the demand under oath shall be accompanied by a power of attorney or such other writing that authorizes the attorney or other agent to so act on behalf of the stockholder. The demand under oath shall be directed to the Corporation at its registered office in Delaware or at its principal place of business.

SECTION 14.2 INSPECTION BY DIRECTORS. Any director shall have the right to examine the Corporation's stock ledger, a list of its stockholders, and its other books and records for a purpose reasonably related to his or her position as a director. The Court of Chancery is hereby vested with the exclusive jurisdiction to determine whether a director is entitled to the inspection sought. The court may summarily order the Corporation to permit the director to inspect any and all books and records, the stock ledger, and the stock list and to make copies or extracts therefrom. The Court may, in its discretion, prescribe any limitations or conditions with reference to the inspection, or award such other and further relief as the Court may deem just and proper.

ARTICLE XV CONSTRUCTION

SECTION 15.1 CONSTRUCTION. Unless the context requires otherwise, the general provisions, rules of construction and definitions in the DGCL shall govern the construction of these Bylaws. The singular number includes the plural, and the plural number includes the singular. All pronouns used in these Bylaws shall be deemed to refer to the masculine, feminine and/or neuter, as the identity of the person or persons so designated may require.

ARTICLE XVI
FORUM SELECTION BYLAW

SECTION 16.1. FORUM SELECTION BYLAW. Unless the Corporation consents in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware (or, if and only if the Court of Chancery of the State of Delaware lacks subject matter jurisdiction, any state court located within the State of Delaware or, if and only if all such state courts lack subject matter jurisdiction, the federal district court for the District of Delaware) shall, to the fullest extent permitted by law, be the sole and exclusive forum for the following types of actions or proceedings under Delaware statutory or common law: (1) any derivative action or proceeding brought on behalf of the Corporation; (2) any action asserting a claim of breach of a fiduciary duty owed by any current or former director, officer, other employee or stockholder of the Corporation to the Corporation or to the Corporation's stockholders; (3) any action asserting a claim arising pursuant to any provision of the Delaware General Corporation Law, the Certificate of Incorporation or these Bylaws or as to which the Delaware General Corporation Law confers jurisdiction on the Court of Chancery of the State of Delaware; or (4) any action asserting a claim governed by the internal affairs doctrine. Any person or entity purchasing or otherwise acquiring or holding 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 16.1.

Dated March 6, 2019

/s/ Henry P. Doggrell

Henry P. Doggrell
Secretary



GTx and Oncternal Therapeutics Enter into Definitive Merger Agreement to Create Nasdaq-Listed Clinical-Stage Company Developing a Diverse Pipeline of Novel Cancer Therapies

— Merger will combine Oncternal's clinical stage oncology pipeline and expertise with GTx's preclinical Selective Androgen Receptor Degradar (SARD) program for castration-resistant prostate cancer

— Conference call to be held today at 8:30 a.m. Eastern Time/5:30 a.m. Pacific Time —

MEMPHIS, Tenn. and SAN DIEGO, Calif. — March 7, 2019 — GTx, Inc. (Nasdaq: GTXI) and Oncternal Therapeutics, Inc., a privately held clinical-stage biotechnology company developing potential first-in-class therapeutic candidates for cancers with critical unmet medical need, today jointly announced that they have entered into a definitive merger agreement under which the stockholders of Oncternal would become the majority owners of GTx's outstanding common stock. The proposed merger will create a publicly-traded, clinical-stage oncology company.

The combined company will be named Oncternal Therapeutics, Inc. and plans to change its ticker symbol on the Nasdaq Capital Market to ONCT upon closing of the transaction.

The combined company will have a strong balance sheet and deep pipeline of promising oncology drug programs advancing in development:

- Oncternal's lead program, cirmtuzumab, is an investigational, potential first-in-class anti-ROR1 monoclonal antibody. Cirmtuzumab is currently in a Phase 1/2 clinical trial in combination with ibrutinib for the treatment of chronic lymphocytic leukemia (CLL) and mantle cell lymphoma (MCL). In addition, an investigator-initiated Phase 1 clinical trial of cirmtuzumab in combination with paclitaxel for women with metastatic breast cancer is being conducted at the University of California San Diego (UC San Diego).
 - TK216, an investigational, potential first-in-class small molecule designed to inhibit the biological activity of ETS-family transcription factor oncoproteins, is being evaluated alone and in combination with vincristine in a Phase 1 clinical trial in patients with relapsed or refractory Ewing sarcoma.
 - A ROR-1 targeted chimeric antigen receptor T-cell (CAR-T) program is in preclinical development at UC San Diego for hematologic and solid tumors.
 - A Selective Androgen Receptor Degradar (SARD) program, an investigational, potential first-in-class preclinical program designed for oral administration to treat castration-resistant prostate cancer in men who are non-responsive to current androgen targeted therapies.
-

Cash, cash equivalents and short-term investments for the combined company are expected to be approximately \$26 million, if the merger closes by the end of the second quarter of 2019. These funds are expected to be sufficient to advance Oncternal's programs into the second quarter of 2020, including the Phase 2 study of cirmtuzumab and ibrutinib, and will fund the planned SARD preclinical studies to support the submission of an investigational new drug application with the U.S. Food and Drug Administration.

James Breitmeyer, MD, PhD, cofounder, president and CEO of Oncternal and a 30-year veteran of the pharmaceutical industry, will continue as president and CEO of the combined company. David Hale, cofounder of Oncternal and a 35-year veteran of numerous successful private and public biotech companies, will continue as Chairman of the Board of the combined company.

"This merger introduces Oncternal and its promising oncology pipeline to the public market and provides additional capital resources to advance our programs to potential value inflection points," said Dr. Breitmeyer. "In addition to clinical data expected from our cirmtuzumab and TK216 programs later this year and during the first half of 2020, we also plan to have preclinical results that get us ready for clinical testing of our ROR1 CAR-T program. The addition of GTx's SARD technology strengthens our pipeline and augments our entire oncology franchise, which includes a range of therapeutic approaches for a variety of difficult to treat cancers."

"This transaction with Oncternal reflects the continued commitment of our management team and Board of Directors to deliver value to stockholders and make a difference in patients' lives," said Robert J. Wills, PhD, Executive Chairman of GTx. "Following a thorough review of strategic alternatives, we have determined that a reverse merger with Oncternal will enable GTx investors to participate in Oncternal's broader pipeline of oncology opportunities, including product candidates designed to address rare disease indications, and enable the continued development of our first-in-class SARD technology by a company whose leadership has deep experience in developing oncology medicines."

About the Proposed Merger

The merger is structured as a stock-for-stock transaction whereby all of Oncternal's outstanding shares of common stock and securities convertible into or exercisable for Oncternal's common stock will be converted into GTx common stock and securities convertible into or exercisable for GTx common stock. Immediately following the closing of the transaction, the former stockholders of Oncternal will hold approximately 75% of the outstanding shares of common stock of the combined company. In addition to retaining an ownership interest representing approximately 25% of the outstanding shares of common stock of the combined company, the GTx stockholders of record as of immediately prior to the effective time of the merger will receive non-transferable contingent value rights ("CVR") entitling the holders to receive in the

aggregate 50% of any net proceeds derived from the grant, sale or transfer of rights to SARD or selective androgen receptor modulator (SARM) technology during the term of the CVR and, if applicable, to receive royalties on the sale of any SARD products by the combined company during the term of the CVR. Under certain circumstances further described in the merger agreement, the exchange ratio of the outstanding shares of common stock of the combined company may be adjusted upward or downward based on cash levels of each of the companies at closing.

Upon closing of the transaction, GTx will be renamed Oncternal Therapeutics, Inc. and will be headquartered in San Diego, California under the leadership of Oncternal's current management team. Although no GTx employee is expected to remain an employee of the combined company, the merger agreement provides that the Board of Directors of the combined company will be comprised of nine members, including seven designated Oncternal directors as well as Robert J. Wills, PhD and Michael G. Carter, MD, from GTx's current Board. The combined company is expected to trade on The Nasdaq Capital Market under a new ticker symbol, ONCT. The merger agreement has been unanimously approved by the Board of Directors of each company. The transaction is expected to close in the second quarter of 2019, subject to approvals by stockholders of each company and other customary closing conditions.

Aquilo Partners, L.P. is acting as exclusive financial advisor to GTx on the proposed transaction and Cooley LLP serves as legal counsel to GTx. Piper Jaffray is acting as exclusive financial advisor to Oncternal on the proposed transaction and Latham & Watkins, LLP serves as legal counsel to Oncternal.

Conference Call Information

Dr. Wills and Dr. Breitmeyer will co-host a conference call to discuss the proposed merger on March 7, 2019, at 5:30 A.M. Pacific Time at Oncternal's headquarters in San Diego.

To access the live conference call, please dial 1.877.407.2991 from the U.S. and Canada or 1.201.389.0925 internationally. A playback of the call will be available from approximately 12:00 P.M. Pacific Time today through May 7, 2019 and may be accessed by dialing 877.660.6853 from the U.S. and Canada or 201.612.7415 internationally, and using conference ID 13688553.

The conference call information will also be available on the Investor section of the GTx website at www.gtxinc.com.

About GTx

GTx, Inc., headquartered in Memphis, Tenn., is a biopharmaceutical company dedicated to the discovery, development and commercialization of small molecules for the treatment of muscle-related diseases and other serious medical conditions.

About Oncernal Therapeutics

Oncernal Therapeutics is a clinical-stage oncology company developing novel, potential first-in-class therapeutic candidates for cancers with critical unmet medical need. The company is leveraging its scientific and development expertise, as well as academic collaborations, to rapidly advance its pipeline.

About Cirmtuzumab

Cirmtuzumab is an investigational, potential first-in-class humanized monoclonal antibody that is designed to bind with high affinity to a biologically important epitope on ROR1 (Receptor-tyrosine kinase-like Orphan Receptor 1). Cirmtuzumab has been developed in collaboration with UC San Diego, and with the California Institute for Regenerative Medicine (CIRM), which funded both previous preclinical development work, as well as previous and ongoing clinical trials. ROR1 is a type 1 transmembrane protein expressed on the plasma membrane with an extracellular domain that is essential for ligand binding and signal transduction. In preclinical studies, it has been observed to bind to many different types of cancer cells, but not to most normal human tissues. Tumor cells that express ROR1 have tumor-initiating features that are associated with a de-differentiated oncogenic state. When expressed by hematologic malignancies such as mantle cell lymphoma (MCL), chronic lymphocytic leukemia (CLL), and small lymphocytic leukemia (SLL), ROR1 has been observed to act as a receptor for the tumor growth factor Wnt5a. Cirmtuzumab is designed to bind to ROR1 in such a manner that it blocks Wnt5a activation and inhibits tumor-cell proliferation, migration and survival and induces differentiation. Early clinical data suggests that cirmtuzumab may synergize with ibrutinib, and Oncernal is evaluating this pairing as a potential combination treatment for CLL and MCL.

About TK216

TK216 is an investigational, potential first-in-class small molecule that is designed to inhibit the biological activity of ETS-family transcription factor oncoproteins in a variety of tumor types, in an effort to inhibit cancer cell growth and tumor formation. In Ewing sarcoma, it is designed to target the well-characterized fusion proteins that cause the disease. TK216 is being developed collaboratively by Georgetown University and Oncernal. Oncernal is also planning clinical studies of TK216 in leukemia and performing preclinical studies in prostate cancer.

Additional Information about the Proposed Merger and Where to Find It

In connection with the proposed merger, GTx and Oncernal intend to file relevant materials with the Securities and Exchange Commission, or the SEC, including a registration statement on Form S-4 that will contain a prospectus, a proxy statement and an information statement. ***Investors and security holders of GTx and Oncernal are urged to read these materials when***

they become available because they will contain important information about GTx, Oncternal and the merger. The proxy statement, prospectus, information statement and other relevant materials (when they become available), and any other documents filed by GTx with the SEC, may be obtained free of charge at the SEC web site at www.sec.gov. In addition, investors and security holders may obtain free copies of the documents filed with the SEC by GTx by directing a written request to: GTx, Inc., 175 Toyota Plaza, 7th Floor, Memphis, Tennessee 38103, Attention: Corporate Secretary. Investors and security holders are urged to read the proxy statement, prospectus, information statement and other relevant materials when they become available before making any voting or investment decision with respect to the merger.

This communication shall not constitute an offer to sell or the solicitation of an offer to sell or the solicitation of an offer to buy any securities, nor shall there be any sale of securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. No offering of securities shall be made except by means of a prospectus meeting the requirements of Section 10 of the Securities Act of 1933, as amended.

Participants in the Solicitation

GTx and its directors and executive officers and Oncternal and its directors and executive officers may be deemed to be participants in the solicitation of proxies from the stockholders of GTx in connection with the proposed transaction. Information regarding the special interests of these directors and executive officers in the merger will be included in the proxy statement/ prospectus/information statement referred to above. Additional information regarding the directors and executive officers of GTx is also included in GTx's definitive proxy statement in connection with its 2018 Annual Meeting of Stockholders filed with the SEC on March 23, 2018. These documents are available free of charge at the SEC web site (www.sec.gov) and from the Corporate Secretary of GTx at the address above.

GTx Forward-Looking Information is Subject to Risks and Uncertainty

This press release contains forward-looking statements based upon GTx's and Oncternal's current expectations. Forward-looking statements involve risks and uncertainties, and include, but are not limited to, statements about the structure, timing and completion of the proposed merger; the combined company's listing on Nasdaq after closing of the proposed merger; the timing and results of planned preclinical studies or clinical trials of cirmtuzumab, TK216 or Oncternal's ROR-1 targeted CAR-T product candidates; the possibility that any grant, sale or transfer of rights to SARD or SARM technology or the sale of any SARD or SARM products will occur during the term of the CVR and that the conditions to payment under the CVRs will be met; expectations regarding the ownership structure of the combined company; the combined company's expected cash position at the closing of the proposed merger; the future operations of the combined company, including with respect to the continued development of GTx's SARD technology; the nature, strategy and focus of the combined company; the development and

commercial potential and potential benefits of any product candidates of the combined company; the executive and board structure of the combined company; the location of the combined company's corporate headquarters; anticipated preclinical and clinical drug development activities and related timelines, including the expected timing for data and other clinical and preclinical results; Oncernal having sufficient resources to advance its pipeline; and other statements that are not historical fact. Actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of these risks and uncertainties, which include, without limitation: (i) the risk that the conditions to the closing of the proposed merger are not satisfied, including the failure to timely obtain stockholder approval for the transaction, if at all; (ii) uncertainties as to the timing of the consummation of the proposed merger and the ability of each of GTx and Oncernal to consummate the proposed merger; (iii) risks related to GTx's ability to manage its operating expenses and its expenses associated with the proposed merger pending closing; (iv) risks related to the failure or delay in obtaining required approvals from any governmental or quasi-governmental entity necessary to consummate the proposed merger; (v) the risk that as a result of adjustments to the exchange ratio, GTx stockholders and Oncernal stockholders could own more or less of the combined company than is currently anticipated; (vi) risks related to the market price of GTx's common stock relative to the exchange ratio; (vii) unexpected costs, charges or expenses resulting from the transaction; (viii) potential adverse reactions or changes to business relationships resulting from the announcement or completion of the proposed merger; (ix) the uncertainties associated with the clinical development and regulatory approval of product candidates such as cirmtuzumab and TK216, including potential delays in the commencement, enrollment and completion of clinical trials; (x) risks related to the inability of the combined company to obtain sufficient additional capital to continue to advance these product candidates and its preclinical programs, including GTx's SARD program and Oncernal's CAR-T program; (xi) uncertainties in obtaining successful clinical results for product candidates and unexpected costs that may result therefrom; (xii) risks related to the failure to realize any value from product candidates and preclinical programs being developed and anticipated to be developed in light of inherent risks and difficulties involved in successfully bringing product candidates to market; (xiii) the risk that the conditions to payment under the CVRs will be not be met and that the CVRs may otherwise never deliver any value to GTx stockholders; and (xiv) risks associated with the possible failure to realize certain anticipated benefits of the proposed merger, including with respect to future financial and operating results. Actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of these risks and uncertainties. These and other risks and uncertainties are more fully described in periodic filings with the SEC, including the factors described in the section entitled "Risk Factors" in GTx's Quarterly Report on Form 10-Q for the quarter ended September 30, 2018 filed with the SEC, and in other filings that GTx makes and will make with the SEC in connection with the proposed transactions, including the proxy statement/prospectus described above under "Additional Information about the Proposed Merger and Where to Find It." You should not place undue reliance on these forward-looking statements, which apply only as of the date of this press

release. GTx expressly disclaims any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements contained herein to reflect any change in its expectations with regard thereto or any change in events, conditions or circumstances on which any such statements are based.

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