

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 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): **February 25, 2015**

CELLDEX THERAPEUTICS, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

000-15006
(Commission File Number)

13-3191702
(IRS Employer
Identification No.)

**Perryville III Building, 53 Frontage Road, Suite 220
Hampton, New Jersey 08827**

(Address of principal executive offices) (Zip Code)

(908) 200-7500
(Registrant's telephone number, including area code)

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:

- Written communications 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))

Item 1.01 Entry into a Material Definitive Agreement.

On February 25, 2015, Celldex Therapeutics, Inc. (the "Company") entered into an underwriting agreement (the "Underwriting Agreement") with Jefferies LLC and Leerink Partners LLC, as representatives of the several underwriters named in Schedule A to the Underwriting Agreement (the "Underwriters"). Pursuant to the terms and conditions of the Underwriting Agreement, the Company agreed to sell 7,250,000 shares of its common stock, par value \$0.001 per share (the "Common Stock"), to the Underwriters at a price of \$24.00 per share, less underwriting discounts and commissions and has granted the Underwriters an option to purchase up to an additional 1,087,500 shares of Common Stock within 30 days after the date of the Underwriting Agreement. The sale to the Underwriters is expected to close on March 3, 2015, subject to customary closing conditions.

The shares of Common Stock will be issued pursuant to a prospectus supplement dated February 25, 2015, which will be filed with the Securities and Exchange Commission in connection with a takedown from the Company's shelf registration statement on Form S-3 (File No. 333-192640), filed with the Securities and Exchange Commission and effective on December 3, 2013, and the related base prospectus dated December 3, 2013.

The Underwriting Agreement provides that the obligations of the Underwriters are subject to certain conditions precedent and that the Underwriters have agreed, severally and not jointly, to purchase all of the shares being sold under the Underwriting Agreement if any of the shares are purchased (other than the shares subject to the Underwriters' option to purchase additional shares). Additionally, the Underwriting Agreement contains customary representations, warranties, and covenants by the Company and customary indemnification obligations of each of the Company and the Underwriters, including for liabilities under the Securities Act of 1933, as amended. In addition, subject to certain exceptions, each director and executive officer of the Company has entered into an agreement with the Underwriters not to sell, transfer or otherwise dispose of securities of the Company during the 90-day period following the offering, subject to extension in certain circumstances. The Company is also restricted in its ability to sell securities during such 90-day period.

The Company estimates that the net proceeds to the Company from the offering (exclusive of proceeds from the sale of shares pursuant to any exercise of the Underwriters' option to purchase additional shares described above) will be approximately \$164.2 million after deducting the underwriting discounts and commissions, and estimated offering expenses payable by the Company. The Company expects to use the net proceeds from this offering to fund clinical trials of its product candidates, expansion of its pipeline, expansion of its commercial team and for working capital and other general corporate purposes.

The foregoing description of the Underwriting Agreement does not purport to be complete and is qualified in its entirety by reference to the full text of the Underwriting Agreement, a copy of which is filed herewith as Exhibit 1.1. The provisions of the Underwriting Agreement, including the representations and warranties contained therein,

are not for the benefit of any party other than the parties to such agreement and are not intended as a document for investors and the public to obtain factual information about the current state of affairs of the Company. Rather, investors and the public should look to other disclosures contained in the Company's filings with the Commission. A copy of the opinion of Lowenstein Sandler LLP relating to the legality of the issuance and sale of the shares in the offering is attached as Exhibit 5.1 hereto.

A copy of the press release with respect to the Underwriting Agreement is furnished as Exhibit 99.1 hereto.

Item 9.01 Financial Statements and Exhibits.

(d)	<u>Exhibit No.</u>	<u>Description.</u>
	1.1	Underwriting Agreement, dated February 25, 2015, by and between Celldex Therapeutics, Inc. and Jefferies LLC and Leerink Partners LLC
	5.1	Opinion of Lowenstein Sandler LLP
	23.1	Consent of Lowenstein Sandler LLP (included in the opinion of Lowenstein Sandler LLP as Exhibit 5.1)
	99.1	Press Release, dated February 25, 2015

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SIGNATURE

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

CELLEX THERAPEUTICS, INC.

Date: February 26, 2015

By: /s/ Avery W. Catlin

Avery W. Catlin
Title: Senior Vice President and
Chief Financial Officer

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7,250,000 Shares

Celldex Therapeutics, Inc.

Common Stock, \$0.001 Par Value per Share

UNDERWRITING AGREEMENT

February 25, 2015

JEFFERIES LLC
LEERINK PARTNERS LLC
As Representatives of the several Underwriters

c/o JEFFERIES LLC
520 Madison Avenue
New York, New York 10022

c/o LEERINK PARTNERS LLC
299 Park Avenue, 21st Floor
New York, NY 10171

Ladies and Gentlemen:

Celldex Therapeutics, Inc., a Delaware corporation (the “**Company**”), proposes to issue and sell to the several underwriters named in Schedule A (the “**Underwriters**”) an aggregate of 7,250,000 shares of its common stock, \$0.001 par value per share (the “**Common Stock**”). The 7,250,000 shares of Common Stock to be sold by the Company are called the “**Firm Shares**.” In addition, the Company has granted to the Underwriters an option to purchase up to an additional 1,087,500 shares of Common Stock as provided in Section 2. The additional 1,087,500 shares of Common Stock to be sold by the Company pursuant to such option are collectively called the “**Optional Shares**.” The Firm Shares and, if and to the extent such option is exercised, the Optional Shares are collectively called the “**Offered Shares**.” Jefferies LLC (“**Jefferies**”) and Leerink Partners LLC (“**Leerink**”) have agreed to act as representatives of the several Underwriters (in such capacity, the “**Representatives**”) in connection with the offering and sale of the Offered Shares.

The Company has prepared and filed with the Securities and Exchange Commission (the “**Commission**”) a shelf registration statement on Form S-3 (File No. 333-192640), which contains a form of prospectus (the “**Base Prospectus**”) to be used in connection with the public offering and sale of the Offered Shares. Such registration statement, as amended, including the financial statements, exhibits and schedules thereto, in the form in which it became effective under the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder (collectively, the “**Securities Act**”), including all documents incorporated or deemed to be incorporated by reference therein and any information deemed to be a part thereof at the time of effectiveness pursuant to Rule 430B or Rule 430C under the Securities Act, is called the “**Registration Statement**.” Any registration statement filed by the Company pursuant to Rule

462(b) under the Securities Act in connection with the offer and sale of the Offered Shares is called the “**Rule 462(b) Registration Statement**,” and from and after the date and time of filing of any such Rule 462(b) Registration Statement the term “**Registration Statement**” shall include the Rule 462(b) Registration Statement. The preliminary prospectus supplement dated February 24, 2015 describing the Offered Shares and the offering thereof, together with the Base Prospectus, is called the “**Preliminary Prospectus**,” and the Preliminary Prospectus and any other preliminary prospectus supplement to the Base Prospectus that describes the Offered Shares and the offering thereof and is used prior to the filing of the Prospectus (as defined below), together with the Base Prospectus, is called a “**preliminary prospectus**.” As used herein, the term “**Prospectus**” shall mean the final prospectus supplement to the Base Prospectus that describes the Offered Shares and the offering thereof (the “**Final Prospectus Supplement**”), together with the Base Prospectus, in the form first used by the Underwriters to confirm sales of the Offered Shares or in the form first made available to the Underwriters by the Company to meet requests of purchasers pursuant to Rule 173 under the Securities Act. As used herein, “**Applicable Time**” is 6:00 p.m. (New York time) on February 25, 2015. As used herein, “**free writing prospectus**” has the meaning set forth in Rule 405 under the Securities Act, and “**Time of Sale Prospectus**” means the Preliminary Prospectus, as amended or supplemented immediately prior to the Applicable Time, together with the free writing prospectuses, if any, identified in Schedule B hereto, and each “**road show**” (as defined in Rule 433 under the Securities Act), if any, related to the offering of the Offered Shares contemplated hereby that is a “**written communication**” (as defined in Rule 405 under the Securities Act) (each such road show, a “**Road Show**”). As used herein, the terms “**Registration Statement**,” “**Rule 462(b) Registration Statement**,” “**Preliminary Prospectus**,” “**preliminary prospectus**,” “**Base Prospectus**,” “**Time of Sale Prospectus**” and “**Prospectus**” shall include the documents incorporated or deemed to be incorporated by reference therein. All references in this Agreement to amendments or supplements to the Registration Statement, the Rule 462(b) Registration Statement, the Preliminary Prospectus, any preliminary prospectus, the Base Prospectus, the Time of Sale Prospectus or the Prospectus shall be deemed to mean and include the filing of any document under the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder (collectively, the “**Exchange Act**”) which is or is deemed to be incorporated by reference in the Registration Statement, the Rule 462(b) Registration Statement, the Preliminary Prospectus, any preliminary prospectus, the Base Prospectus, the Time of Sale Prospectus or the Prospectus, as the case may be. All references in this Agreement to (i) the Registration Statement, the Preliminary Prospectus, any preliminary prospectus, the Base Prospectus or the Prospectus, or any amendments or supplements to any of the foregoing, shall include any copy thereof filed with the Commission pursuant to its Electronic Data Gathering, Analysis and Retrieval System (“**EDGAR**”) and (ii) the Prospectus shall be deemed to include the “**electronic Prospectus**,” if any, provided for use in connection with the offering of the Offered Shares as contemplated by Section 3(n) of this Agreement.

All references in this Agreement to financial statements and schedules and other information which are “**contained**,” “**included**” or “**stated**” in the Registration Statement, the Rule 462(b) Registration Statement, the Preliminary Prospectus, any preliminary prospectus, the Base Prospectus, the Time of Sale Prospectus or the Prospectus (and all other references of like import) shall be deemed to mean and include all such financial statements and schedules

prospectus, the Base Prospectus, the Time of Sale Prospectus or the Prospectus, as the case may be; and all references in this Agreement to amendments or supplements to the Registration Statement, the Rule 462(b) Registration Statement, the Preliminary Prospectus, any preliminary prospectus, the Base Prospectus, the Time of Sale Prospectus or the Prospectus shall be deemed to mean and include the filing of any document under the Exchange Act which is or is deemed to be incorporated by reference in the Registration Statement, the Rule 462(b) Registration Statement, the Preliminary Prospectus, any preliminary prospectus, the Base Prospectus, the Time of Sale Prospectus or the Prospectus, as the case may be.

The Company hereby confirms its agreements with the Underwriters as follows:

Section 1. Representations and Warranties. The Company hereby represents, warrants and covenants to each Underwriter, as of the date of this Agreement, as of the First Closing Date (as hereinafter defined) and as of each Option Closing Date (as hereinafter defined), if any, as follows:

(a) *Compliance with Registration Requirements.* The Registration Statement and any Rule 462(b) Registration Statement have become effective under the Securities Act. The Company has complied in all material respects with all requests of the Commission for additional or supplemental information, if any, relating to the Registration Statement and any Rule 462(b) Registration Statement. No stop order suspending the effectiveness of the Registration Statement or any Rule 462(b) Registration Statement is in effect and no proceedings for such purpose have been instituted by the Commission or are pending or, to the knowledge of the Company, are contemplated or threatened by the Commission. At the time the Company's Annual Report on Form 10-K for the year ended December 31, 2014 (the "Annual Report") was filed with the Commission, or, if later, at the time the Registration Statement was originally filed with the Commission, as well as at the time the Company or any person acting on its behalf (within the meaning, for this clause only, of Rule 163(c) under the Securities Act) made any offer relating to the Offered Shares in reliance on the exemption of Rule 163 under the Securities Act, the Company was a "well known seasoned issuer" as defined in Rule 405 under the Securities Act. The Registration Statement is an "automatic shelf registration statement," as defined in Rule 405 under the Securities Act, and became effective on December 3, 2013. The Company has not received from the Commission any notice pursuant to Rule 401(g)(2) under the Securities Act objecting to the Company's use of the automatic shelf registration form.

Each preliminary prospectus and the Prospectus when filed complied in all material respects with the Securities Act and, if filed by electronic transmission pursuant to EDGAR (except as may be permitted by Regulation S-T under the Securities Act), was identical to the copy thereof delivered to the Underwriters for use in connection with the offer and sale of the Offered Shares. Each of the Registration Statement, any Rule 462(b) Registration Statement and any post-effective amendment thereto, at the time it became effective, at the Applicable Time and at all subsequent times during which a prospectus is required by the Securities Act to be delivered (whether physically or through compliance with Rule 172 under the Securities Act or any similar rule) in connection with sales of the Offered Shares, but in any event at all times through and including the First Closing Date

(such period of time being referred to herein as the "Prospectus Delivery Period"), complied and will comply in all material respects with the Securities Act and, at such times, did not and will not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading. As of the Applicable Time, the Time of Sale Prospectus did not, and at the Applicable Time and at the First Closing Date (as defined in Section 2), the Time of Sale Prospectus, as then amended or supplemented by the Company, if applicable, will not, contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading. The Prospectus (including any Prospectus wrapper), as then amended or supplemented, as of the date of the Final Prospectus Supplement and at all subsequent times during the Prospectus Delivery Period, did not and will not contain any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The representations and warranties set forth in the three immediately preceding sentences do not apply to statements in or omissions from the Registration Statement, any Rule 462(b) Registration Statement, or any post-effective amendment thereto, or the Prospectus or the Time of Sale Prospectus, or any amendments or supplements thereto, made in reliance upon and in conformity with written information relating to any Underwriter furnished to the Company in writing by the Representatives expressly for use therein, it being understood and agreed that the only such information furnished by the Representatives to the Company consists of the information described in Section 9(b) below. There are no contracts or other documents required to be described in the Time of Sale Prospectus or the Prospectus or to be filed as exhibits to the Registration Statement which have not been described or filed as required.

The Company is not an "ineligible issuer" in connection with the offering of the Offered Shares pursuant to Rules 164, 405 and 433 under the Securities Act. Each free writing prospectus that the Company is required to file pursuant to Rule 433(d) under the Securities Act has been, or will be, filed with the Commission in accordance with the requirements of the Securities Act. Each free writing prospectus that the Company has filed, or is required to file, pursuant to Rule 433(d) under the Securities Act or that was prepared by or on behalf of or used or referred to by the Company complies or will comply in all material respects with the requirements of Rule 433 under the Securities Act including timely filing with the Commission or retention where required and legending, and each such free writing prospectus, as of its issue date and at all subsequent times through the completion of the public offer and sale of the Offered Shares did not, does not and will not include any information that conflicted, conflicts or will conflict with the information contained in the Registration Statement, the Prospectus or any preliminary prospectus. Except for the free writing prospectuses, if any, identified in Schedule B hereto, and electronic road shows, if any, furnished to you before first use, the Company has not prepared, used or referred to, and will not, without your prior consent, prepare, use or refer to, any free writing prospectus.

(b) *Offering Materials Furnished to Underwriters.* The Company has made available to the Representatives through EDGAR one complete conformed copy of the Registration Statement, each amendment thereto and any Rule 462(b) Registration

Statement and of each consent and certificate of experts filed as a part thereof, and conformed copies of the Registration Statement, each amendment thereto and any Rule 462(b) Registration Statement (without exhibits). The Company has delivered to the Representatives preliminary prospectuses, the Time of Sale Prospectus, the Prospectus, as amended or supplemented, and any free writing prospectus reviewed and consented to by the Representatives, in such quantities and at such places as the Representatives have reasonably requested for each of the Underwriters.

(c) *Distribution of Offering Material By the Company.* The Company has not distributed and will not distribute, prior to the later of (i) the expiration or termination of the option granted to the several Underwriters in Section 2 and (ii) the completion of the Underwriters' distribution of the Offered Shares, any offering material in connection with the offering and sale of the Offered Shares other than a preliminary prospectus, the Time of Sale Prospectus, the Prospectus, any free writing prospectus reviewed and consented to by the Representatives, or the Registration Statement.

(d) *The Underwriting Agreement.* This Agreement has been duly authorized, executed and delivered by, and is a valid and binding agreement of, the Company, enforceable against the Company in accordance with its terms, except as rights to indemnification hereunder may be limited by applicable law and except as the enforcement hereof may be limited by bankruptcy, insolvency, reorganization, moratorium or other similar laws relating to or affecting the rights and remedies of creditors or by general equitable principles.

(e) *Authorization of the Offered Shares.* The Offered Shares have been duly authorized for issuance and sale pursuant to this Agreement and, when issued and delivered by the Company against payment therefor pursuant to this Agreement, will be validly issued, fully paid and nonassessable, and the issuance and sale of the Offered Shares is not subject to any preemptive rights, rights of first refusal or other similar rights to subscribe for or purchase the Offered Shares.

(f) *No Applicable Registration or Other Similar Rights.* There are no persons with registration or other similar rights to have any equity or debt securities registered for sale under the Registration Statement or included in the offering contemplated by this Agreement.

(g) *No Material Adverse Change.* Except as otherwise disclosed in the Preliminary Prospectus, subsequent to the respective dates as of which information is given in Preliminary Prospectus: (i) there has been no material adverse change, or any development that could reasonably be expected to result in a material adverse change, in the condition, financial or otherwise, or in the earnings, business, operations or prospects, whether or not arising from transactions in the ordinary course of business, of the Company (any such change is called a "**Material Adverse Change**"); (ii) the Company has not incurred any material liability or obligation, indirect, direct or contingent, not in the ordinary course of business nor entered into any material transaction or agreement not in the ordinary course of business; and (iii) there has been no dividend or distribution of

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any kind declared, paid or made by the Company on any class of capital stock or repurchase or redemption by the Company of any class of capital stock.

(h) *Independent Accountants.* PricewaterhouseCoopers LLP, who has expressed its opinion with respect to the financial statements (which term as used in this Agreement includes the related notes thereto) filed with the Commission and incorporated by reference into the Registration Statement, the Preliminary Prospectus, the Prospectus and the Time of Sale Prospectus (each, an "**Applicable Prospectus**" and, collectively, the "**Applicable Prospectuses**") is (i) an independent registered public accountant as required by the Securities Act, the Exchange Act and the rules of the Public Company Accounting Oversight Board ("**PCAOB**"), (ii) in compliance with the applicable requirements relating to the qualification of accountants under Rule 2-01 of Regulation S-X under the Securities Act and (iii) a registered public accounting firm as defined by the PCAOB whose registration has not been suspended or revoked and who, to the Company's knowledge, has not requested such registration to be withdrawn.

(i) *Preparation of the Financial Statements.* The financial statements filed with the Commission as a part of and incorporated by reference into the Registration Statement, the Preliminary Prospectus, the Time of Sale Prospectus or the Prospectus present fairly the consolidated financial position of the Company and its subsidiary as of and at the dates indicated and the consolidated results of their operations, stockholders' equity and cash flows for the periods specified. Such financial statements have been prepared in conformity with generally accepted accounting principles as applied in the United States applied on a consistent basis throughout the periods involved, except as may be expressly stated in the related notes thereto. The interactive data in eXtensible Business Reporting Language included or incorporated by reference in the Registration Statement fairly presents the information called for in all material respects and has been prepared in accordance with the Commission's rules and guidelines applicable thereto. No other financial statements or supporting schedules are required to be included in the Registration Statement or any Applicable Prospectus. The financial data set forth in Note 18 to the financial statements included in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2014, fairly present the information set forth therein on a basis consistent with that of the audited financial statements incorporated by reference in the Registration Statement and each Applicable Prospectus, subject, in the case of the financial data set forth in Note 18, to normal, recurring year-end adjustments. The Company's ratios of combined fixed charges and preferred dividends to earnings set forth in the Registration Statement and the Base Prospectus under the caption "Ratio of Combined Fixed Charges and Preferred Stock Dividends to Earnings" and in Exhibit 12 to the Registration Statement have been calculated in compliance with Item 503(d) of Regulation S-K under the Securities Act. No person who has been suspended or barred from being associated with a registered public accounting firm, or who has failed to comply with any sanction pursuant to Rule 5300 promulgated by the PCAOB, has participated in or otherwise aided the preparation of, or audited, the financial statements, supporting schedules or other financial data filed with the Commission as a part of the Registration Statement and included in any Applicable Prospectus.

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(j) *Company's Accounting System.* The Company makes and keeps accurate books and records and maintains a system of internal accounting controls sufficient to provide reasonable assurance that: (i) transactions are executed in accordance with management's general or specific authorization; (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with generally accepted

accounting principles as applied in the United States and to maintain accountability for assets; (iii) access to assets is permitted only in accordance with management's general or specific authorization; (iv) the recorded accountability for assets is compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences; and (v) the interactive data in eXtensible Business Reporting Language included or incorporated by reference in the Registration Statement, the Time of Sale Prospectus and the Prospectus fairly presents the information called for in all material respects and is prepared in accordance with the Commission's rules and guidelines applicable thereto. Except as disclosed in the Company's filings with the Commission pursuant to the Exchange Act (as of any date prior to January 1, 2010) or in the Applicable Prospectuses (as of any date thereafter), since December 31, 2005, there has not been and is no significant deficiency or material weakness in the Company's internal control over financial reporting (whether or not remediated) and since December 31, 2014, there has been no change in the Company's internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting.

(k) *Incorporation and Good Standing of the Company.* The Company has been duly incorporated and is validly existing as a corporation in good standing under the laws of the jurisdiction of its incorporation and has the power and authority (corporate or other) to own, lease and operate its properties and to conduct its business as described in each Applicable Prospectus and, in the case of the Company, to enter into and perform its obligations under this Agreement, except where the failure to be in good standing would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Change. The Company is duly qualified as a foreign corporation to transact business and is in good standing in each other jurisdiction in which such qualification is required, whether by reason of the ownership or leasing of property or the conduct of business, except where the failure to be so qualified or in good standing would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Change. The Company does not own or control, directly or indirectly, any corporation, association or other entity.

(l) *Capitalization and Other Capital Stock Matters.* The authorized, issued and outstanding capital stock of the Company is as set forth in each Applicable Prospectus under the captions "The Offering" and "Description of Common Stock" (other than for subsequent issuances, if any, pursuant to employee benefit plans described in the Time of Sale Prospectus or upon the exercise of outstanding options or warrants described in each Applicable Prospectus). The Common Stock (including the Offered Shares) conform in all material respects to the description thereof contained in the Time of Sale Prospectus. All of the issued and outstanding shares of Common Stock have been duly authorized and validly issued, are fully paid and nonassessable and have been issued in compliance with federal and state securities laws. None of the outstanding shares of

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Common Stock was issued in violation of any preemptive rights, rights of first refusal or other similar rights to subscribe for or purchase securities of the Company. There are no authorized or outstanding options, warrants, preemptive rights, rights of first refusal or other rights to purchase, or equity or debt securities convertible into or exchangeable or exercisable for, any capital stock of the Company other than those accurately described in each Applicable Prospectus. The description of the Company's stock option, stock bonus and other stock plans or arrangements, and the options or other rights granted thereunder, set forth in each Applicable Prospectus accurately and fairly presents the information required to be shown with respect to such plans, arrangements, options and rights.

(m) *Stock Exchange Listing.* The Common Stock is registered pursuant to Section 12(b) of the Exchange Act and is listed on the NASDAQ Global Market, and the Company has taken no action designed to, or likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act or delisting the Common Stock from the NASDAQ Global Market, nor has the Company received any notification that the Commission or the NASDAQ Global Market is contemplating terminating such registration or listing. To the Company's knowledge, it is in compliance with all applicable listing requirements of NASDAQ.

(n) *Non-Contravention of Existing Instruments; No Further Authorizations or Approvals Required.* The Company is not in violation of its charter or by-laws or in default (or, with the giving of notice or lapse of time, would be in default) ("**Default**") under any indenture, mortgage, loan or credit agreement, note, license agreement, contract, franchise, lease or other instrument to which the Company is a party or by which it may be bound (including, without limitation, any credit agreement, indenture, pledge agreement, security agreement or other instrument or agreement evidencing, guaranteeing, securing or relating to indebtedness of the Company), or to which any of the property or assets of the Company is subject (each, an "**Existing Instrument**"), except for such Defaults as would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Change. The Company's execution, delivery and performance of this Agreement, consummation of the transactions contemplated hereby and by each Applicable Prospectus and the issuance and sale of the Offered Shares (i) have been duly authorized by all necessary corporate action and will not result in any violation of the provisions of the charter or by-laws of the Company, (ii) will not conflict with or constitute a breach of, or Default or a Debt Repayment Triggering Event (as defined below) under, or result in the creation or imposition of any lien, charge or encumbrance upon any property or assets of the Company pursuant to, or require the consent of any other party to, any Existing Instrument and (iii) will not result in any violation of any law, administrative regulation or administrative or court decree applicable to the Company, except, in the case of clauses (ii) and (iii), for such breaches, Defaults, results or violations as would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Change. No consent, approval, authorization or other order of, or registration or filing with, any court or other governmental or regulatory authority or agency, is required for the Company's execution, delivery and performance of this Agreement and consummation of the transactions contemplated hereby and by each Applicable Prospectus, except such as have been obtained or made by the Company and are in full force and effect under the Securities Act, applicable state

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securities or blue sky laws and from the Financial Industry Regulatory Authority, Inc. ("**FINRA**"). As used herein, a "**Debt Repayment Triggering Event**" means any event or condition which gives, or with the giving of notice or lapse of time would give, the holder of any note, debenture or other evidence of indebtedness (or any person acting on such holder's behalf) the right to require the repurchase, redemption or repayment of all or a portion of such indebtedness by the Company.

(o) *No Material Actions or Proceedings.* There are no pending litigation proceedings to which the Company is a party which are required to be disclosed in the Registration Statement and the Applicable Prospectuses by Regulation S-K Item 103 that have not been disclosed as required. There are no legal or governmental actions, suits or proceedings pending or, to the Company's knowledge, threatened (i) against or affecting the Company, (ii) which have as the subject thereof any officer or director of, or property owned or leased by, the Company or (iii) relating to environmental or discrimination matters, where in any such case (A) there is (in the case of threatened actions, suits or proceedings, to the

Company's knowledge) a substantial likelihood that such action, suit or proceeding will be determined adversely to the Company or such officer or director, (B) any such action, suit or proceeding, if so determined adversely, would reasonably be expected to result in a Material Adverse Change or adversely affect the consummation of the transactions contemplated by this Agreement or (C) any such action, suit or proceeding is or would be material in the context of the sale of shares of Common Stock. No material labor dispute with the employees of the Company, or, to the Company's knowledge, with the employees of any principal supplier, manufacturer, customer or contractor of the Company, exists or, to the Company's knowledge, is threatened or imminent.

(p) *Intellectual Property Rights.* Except as disclosed in the Applicable Prospectuses, the Company owns or possesses sufficient trademarks, trade names, patent rights, copyrights, domain names, licenses, approvals, trade secrets and other similar rights (collectively, "**Intellectual Property Rights**") reasonably necessary to conduct its business as now conducted and as the Registration Statement, the Time of Sale Prospectus and the Prospectus discloses is proposed to be conducted (including the commercialization of products or services described in the Registration Statement, the Time of Sale Prospectus and the Prospectus as under development); and the expected expiration of any of such Intellectual Property Rights would not impact the Company's ability to conduct its business as now conducted and as the Registration Statement, the Time of Sale Prospectus and the Prospectus discloses is proposed to be conducted (including the commercialization of products or services described in the Registration Statement, the Time of Sale Prospectus and the Prospectus as under development) except to the extent the failure to own, possess or acquire on reasonable terms would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Change. Except as would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Change, and except as disclosed in each Applicable Prospectus, (i) there are no third parties who have or, to the Company's knowledge, will be able to establish rights to any Intellectual Property Rights; (ii) there is no infringement by third parties of any Intellectual Property Rights; (iii) there is no pending or, to the Company's knowledge, threatened action, suit, proceeding or claim by others challenging

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the Company's rights in or to any Intellectual Property Rights, and the Company is unaware of any facts that would form a reasonable basis for any such action, suit, proceeding or claim; (iv) there is no pending or, to the Company's knowledge, threatened action, suit, proceeding or claim by others challenging the validity, enforceability or scope of any Intellectual Property Rights, and the Company is unaware of any facts that would form a reasonable basis for any such action, suit, proceeding or claim; (v) there is no pending or, to the Company's knowledge, threatened action, suit, proceeding or claim by others that the Company infringes or otherwise violates, or would, upon the commercialization of products or services described in the Registration Statement, the Time of Sale Prospectus and the Prospectus as under development, infringe or violate, any existing patent, trademark, tradename, service name, copyright, trade secret or other proprietary rights of others, and the Company is unaware of any facts that would form a reasonable basis for any such action, suit, proceeding or claim; (vi) to the Company's knowledge, there is no prior art that may render any patent application within the Intellectual Property Rights unpatentable that has not been disclosed to the U.S. Patent and Trademark Office; and (vii) the product candidates described in the Registration Statement, the Time of Sale prospectus and the Prospectus as under clinical development by the Company fall within the scope of the claims of one or more patents or patent applications owned by, or exclusively licensed to, the Company. None of the technology employed by the Company has been obtained or is being used by the Company in violation of any contractual obligation binding on the Company or, to the Company's knowledge, any of its officers, directors or employees or otherwise in violation of the rights of any persons, except in each case for such violations as would not reasonably be expected, individually or in the aggregate, to result in a Material Adverse Change.

(q) *All Necessary Permits, etc.* The Company possesses such valid and current certificates, authorizations or permits issued by the appropriate state, federal or foreign regulatory agencies or bodies necessary to conduct its business, and the Company has not received, or does not have any reason to believe that it will receive, any notice of proceedings relating to the revocation or modification of, or non-compliance with, any such certificate, authorization or permit which, individually or in the aggregate, if the subject of an unfavorable decision, ruling or finding, would reasonably be expected to result in a Material Adverse Change.

(r) *Title to Properties.* The Company has good and marketable title to all of the real and personal property and other assets reflected as owned in the financial statements referred to in Section 1(i) above (or elsewhere in any Applicable Prospectus), in each case free and clear of any security interests, mortgages, liens, encumbrances, equities, adverse claims and other defects, except such as do not materially and adversely affect the value of such property and assets and do not materially interfere with the use made or proposed to be made of such property and assets by the Company. The real property, improvements, equipment and personal property held under lease by the Company are held under leases which are valid and enforceable against the Company and, to the Company's knowledge, the other parties thereto, in each case with such exceptions as are not material and do not materially interfere with the use made or proposed to be made of such real property, improvements, equipment or personal property by the Company.

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(s) *Tax Law Compliance.* The Company has filed all necessary federal, state and foreign income and franchise tax returns and has paid all taxes required to be paid by any of them and, if due and payable, any related or similar assessment, fine or penalty levied against any of them. The Company has made adequate charges, accruals and reserves in the applicable financial statements referred to in Section 1(i) above in respect of all federal, state and foreign income and franchise taxes for all periods as to which the tax liability of the Company has not been finally determined.

(t) *Company Not an "Investment Company."* The Company has been advised of the rules and requirements under the Investment Company Act of 1940, as amended (the "**Investment Company Act**"). The Company is not, and will not, either after receipt of payment for the Offered Shares or after the application of the proceeds therefrom as described under "Use of Proceeds" in each Applicable Prospectus, be, an "investment company" within the meaning of Investment Company Act and will, during the Prospectus Delivery Period, conduct its business in a manner so that it will not become subject to the Investment Company Act.

(u) *Insurance.* The Company is insured by recognized, financially sound and reputable institutions with policies in such amounts and with such deductibles and covering such risks as the Company has deemed appropriate for its business. The Company has no reason to believe that it will not be able (i) to renew its existing insurance coverage as and when such policies expire or (ii) to obtain comparable coverage from similar

institutions as may be necessary or appropriate to conduct its business as now conducted and at a cost that would not result in a Material Adverse Change. Since January 1, 2007, the Company has not been denied any material insurance coverage which it has sought or for which it has applied.

(v) *No Price Stabilization or Manipulation; Compliance with Regulation M.* The Company has not taken, directly or indirectly, any action designed to or that might be reasonably expected to cause or result in stabilization or manipulation of the price of the Common Stock or any other “reference security” (as defined in Rule 100 of Regulation M under the Exchange Act (“**Regulation M**”)) whether to facilitate the sale or resale of the Offered Shares or otherwise, and has taken no action which would directly or indirectly violate Regulation M. The Company acknowledges that the Underwriters may engage in passive market making transactions in the Offered Shares on the NASDAQ Global Market in accordance with Regulation M.

(w) *Related Party Transactions.* There are no business relationships or related-party transactions involving the Company or any other person required to be described in any Applicable Prospectus which have not been described as required. (The Time of Sale Prospectus contains in all material respects the same description of the matters set forth in the preceding sentence contained in the Prospectus.)

(x) *S-3 Eligibility.* At the time the Registration Statement originally became effective, the Company met the then applicable requirements for use of Form S-3 under the Securities Act. The Company meets the requirements for use of Form S-3 under the Securities Act specified in FINRA Rule 5110(b)(7)(C)(i).

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(y) *Exchange Act Compliance.* The documents incorporated or deemed to be incorporated by reference in the Prospectus, at the time they were or hereafter are filed with the Commission, or became or become effective under the Exchange Act, as the case may be, complied and will comply in all material respects with the requirements of the Exchange Act, and, when read together with the other information in the Prospectus, at the time the Registration Statement and any amendments thereto became effective and at the First Closing Date and the applicable Option Closing Date, as the case may be, will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading.

(z) *FINRA Matters.* All of the information provided to the Underwriters or to counsel for the Underwriters by the Company, its officers and directors and, to the Company’s knowledge, the holders of any securities (debt or equity) or options to acquire any securities of the Company in connection with letters, filings or other supplemental information provided to FINRA pursuant to FINRA Rule 5110 or 5121 is true, complete and correct in all material respects.

(aa) *Parties to Lock-Up Agreements.* Each of the Company’s existing directors and executive officers has executed and delivered to the Representatives a lock-up agreement in the form of Exhibit C hereto. Exhibit D hereto contains a true, complete and correct list of all existing directors and executive officers of the Company. If any additional persons shall become directors or executive officers of the Company prior to the end of the Company Lock-up Period (as defined below), the Company shall cause each such person, prior to or contemporaneously with their appointment or election as a director or executive officer of the Company, to execute and deliver to the Representatives an agreement in the form attached hereto as Exhibit C.

(bb) *Statistical and Market-Related Data.* The statistical, demographic and market-related data included in the Registration Statement and each Applicable Prospectus are based on or derived from sources that the Company believes to be reliable and accurate or represent the Company’s good faith estimates that are made on the basis of data derived from such sources.

(cc) *No Unlawful Contributions or Other Payments.* Neither the Company nor, to the Company’s knowledge, any employee or agent of the Company, has made any contribution or other payment to any official of, or candidate for, any federal, state or foreign office in violation of any law or of the character required to be disclosed in the Registration Statement and each Applicable Prospectus.

(dd) *Disclosure Controls and Procedures; Deficiencies in or Changes to Internal Control Over Financial Reporting.* The Company has established and maintains disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act), which (i) are designed to ensure that material information relating to the Company is made known to the Company’s principal executive officer and its principal financial officer by others within those entities, particularly during the periods in which the periodic reports required under the Exchange Act are being prepared;

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(ii) have been evaluated by management of the Company for effectiveness as of the end of the Company’s most recent fiscal quarter; and (iii) the Company’s principal executive officer and principal financial officer have concluded, as of the end of such fiscal quarter, to be effective at the reasonable assurance level. Based on the most recent evaluation of its disclosure controls and procedures (in accordance with Rule 13a-15(b)), the Company is not aware of (i) any significant deficiencies or material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Company’s ability to record, process, summarize and report financial information or (ii) any fraud, whether or not material, that involves management or other employees who have a significant role in the Company’s internal control over financial reporting.

(ee) *Compliance with Environmental Laws.* Except as described in each Applicable Prospectus and except as would not, singly or in the aggregate, result in a Material Adverse Change, (i) the Company is not in violation of any federal, state, local or foreign statute, law, rule, regulation, ordinance, code, policy or rule of common law or any judicial or administrative interpretation thereof, including any judicial or administrative order, consent, decree or judgment, relating to pollution or protection of human health, the environment (including, without limitation, ambient air, surface water, groundwater, land surface or subsurface strata) or wildlife, including, without limitation, laws and regulations relating to the release or threatened release of chemicals, pollutants, contaminants, wastes, toxic substances, hazardous substances, petroleum or petroleum products (collectively, “**Hazardous Materials**”) or to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials (collectively, “**Environmental Laws**”), (ii) the Company has all permits, authorizations and approvals required under any applicable Environmental Laws and is in compliance with its requirements, (iii) there are no pending or threatened administrative,

regulatory or judicial actions, suits, demands, demand letters, claims, liens, notices of noncompliance or violation, investigation or proceedings relating to any Environmental Law against the Company and (iv) to the Company's knowledge, there are no events or circumstances that might reasonably be expected to form the basis of an order for clean-up or remediation, or an action, suit or proceeding by any private party or governmental body or agency, against or affecting the Company relating to Hazardous Materials or any Environmental Laws.

(ff) *ERISA Compliance.* The Company and any "employee benefit plan" (as defined under the Employee Retirement Income Security Act of 1974, as amended, and the regulations and published interpretations thereunder (collectively, "ERISA")) established or maintained by the Company or its ERISA Affiliates (as defined below) are in compliance in all material respects with ERISA. "ERISA Affiliate" means, with respect to the Company, any member of any group of organizations described in Sections 414(b),(c),(m) or (o) of the Internal Revenue Code of 1986, as amended, and the regulations and published interpretations thereunder (the "Code") of which the Company is a member. No "reportable event" (as defined under ERISA) has occurred or is reasonably expected to occur with respect to any "employee benefit plan" established or maintained by the Company or any of its ERISA Affiliates. No "employee benefit plan" established or maintained by the Company or any of its ERISA Affiliates, if such

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"employee benefit plan" were terminated, would have any "amount of unfunded benefit liabilities" (as defined under ERISA). Neither the Company nor any of its ERISA Affiliates has incurred or reasonably expects to incur any liability under (i) Title IV of ERISA with respect to termination of, or withdrawal from, any "employee benefit plan" or (ii) Sections 412, 4971, 4975 or 4980B of the Code. Each "employee benefit plan" established or maintained by the Company or any of its ERISA Affiliates that is intended to be qualified under Section 401(a) of the Code is so qualified and, to the Company's knowledge, nothing has occurred, whether by action or failure to act, which would cause the loss of such qualification.

(gg) *Brokers.* Except pursuant to this Agreement, there is no broker, finder or other party that is entitled to receive from the Company any brokerage or finder's fee or other fee or commission as a result of any transactions contemplated by this Agreement.

(hh) *No Outstanding Loans or Other Extensions of Credit.* Since the adoption of Section 13(k) of the Exchange Act, the Company has not extended or maintained credit, arranged for the extension of credit, or renewed any extension of credit, in the form of a personal loan, to or for any director or executive officer (or equivalent thereof) of the Company except for such extensions of credit as are expressly permitted by Section 13(k) of the Exchange Act.

(ii) *Compliance with Laws.* The Company has no reason to believe that it is not conducting business in compliance with all applicable laws, rules and regulations of the jurisdictions in which it is conducting business, except where failure to be so in compliance would not result in a Material Adverse Change.

(jj) *Foreign Corrupt Practices Act.* Neither the Company nor, to the knowledge of the Company, any director, officer, agent, employee, affiliate or other person acting on behalf of the Company has, in the course of its actions for, or on behalf of, the Company (i) used any corporate funds for any unlawful contribution, gift, entertainment or other unlawful expenses relating to political activity; (ii) made any direct or indirect unlawful payment to any domestic government official, "foreign official" (as defined in the U.S. Foreign Corrupt Practices Act of 1977, as amended, and the rules and regulations thereunder (collectively, the "FCPA")) or employee from corporate funds; (iii) violated or is in violation of any provision of the FCPA or any applicable non-U.S. anti-bribery statute or regulation; or (iv) made any unlawful bribe, rebate, payoff, influence payment, kickback or other unlawful payment to any domestic government official, such foreign official or employee; and the Company and, to the knowledge of the Company, the Company's affiliates have conducted their respective businesses in compliance with the FCPA and have instituted and maintain policies and procedures designed to ensure, and which are reasonably expected to continue to ensure, continued compliance therewith.

(kk) *Money Laundering Laws.* The operations of the Company are, and have been conducted at all times, in compliance with applicable financial recordkeeping and reporting requirements of the Currency and Foreign Transactions Reporting Act of 1970, as amended, the money laundering statutes of all applicable jurisdictions, the rules and

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regulations thereunder and any related or similar applicable rules, regulations or guidelines, issued, administered or enforced by any governmental agency (collectively, the "Money Laundering Laws") and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company with respect to the Money Laundering Laws is pending or, to the knowledge of the Company, threatened.

(ll) *OFAC.* Neither the Company nor, to the knowledge of the Company, any director, officer, agent, employee, affiliate or person acting on behalf of the Company is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Treasury Department ("OFAC"); and the Company will not directly or indirectly use the proceeds of this offering, or lend, contribute or otherwise make available such proceeds to any joint venture partner or other person or entity, for the purpose of financing the activities of any person or in any country or territory, currently subject to any U.S. sanctions administered by OFAC or in any other manner that will result in a violation by any person (including any person participating in the transaction whether as underwriter, advisor, investor or otherwise) of U.S. sanctions administered by OFAC.

(mm) *Forward-Looking Statements.* Each financial or operational projection or other "forward-looking statement" (as defined by Section 27A of the Securities Act or Section 21E of the Exchange Act) contained in the Registration Statement, the Time of Sale Prospectus or the Prospectus (i) was so included by the Company in good faith and with reasonable basis after due consideration by the Company of the underlying assumptions, estimates and other applicable facts and circumstances and (ii) is accompanied by meaningful cautionary statements identifying those factors that could cause actual results to differ materially from those in such forward-looking statement. No such statement was made with the knowledge of an executive officer or director of the Company that it was false or misleading.

Any certificate signed by any officer of the Company pursuant to this Agreement or in connection with the offer and sale of the Offered Shares and delivered to any Underwriter or to counsel for the Underwriters shall be deemed a representation and warranty by the Company to each Underwriter that the matters

covered thereby are true and correct in all material respects as of the date thereof. The Company has a reasonable basis for making each of the representations set forth in this Section 1.

The Company acknowledges that the Underwriters and, for purposes of the opinions to be delivered pursuant to Section 6 hereof, counsel to the Company and counsel to the Underwriters, will rely upon the accuracy and truthfulness of the foregoing representations and hereby consents to such reliance.

Section 2. Purchase, Sale and Delivery of the Offered Shares.

(a) *The Firm Shares.* Upon the terms herein set forth, the Company agrees to issue and sell to the several Underwriters an aggregate of 7,250,000 Firm Shares. On the basis of the representations, warranties and agreements herein contained, and upon the

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terms but subject to the conditions herein set forth, the Underwriters agree, severally and not jointly, to purchase from the Company the respective number of Firm Shares set forth opposite their names on Schedule A. The purchase price per Firm Share to be paid by the several Underwriters to the Company shall be \$22.68 per share.

(b) *The First Closing Date.* Delivery of certificates for the Firm Shares to be purchased by the Underwriters and payment therefor shall be made at the offices of Jefferies, 520 Madison Avenue, New York, New York (or such other place as may be agreed to by the Company and the Representatives) at 9:00 a.m. New York time, on March 3, 2015, or such other time and date not later than 1:30 p.m. New York time, on March 17, 2015 as the Representatives shall designate by notice to the Company (the time and date of such closing are called the “**First Closing Date**”).

(c) *The Optional Shares; Option Closing Date.* In addition, on the basis of the representations, warranties and agreements herein contained, and upon the terms but subject to the conditions herein set forth, the Company hereby grants an option to the several Underwriters to purchase, severally and not jointly, up to an aggregate of 1,087,500 Optional Shares from the Company at the purchase price per share to be paid by the Underwriters for the Firm Shares, less an amount per share equal to any dividend or distribution declared by the Company and payable on the Firm Shares. The option granted hereunder may be exercised at any time and from time to time in whole or in part upon notice by the Representatives to the Company, which notice may be given at any time within 30 days from the date of this Agreement. Such notice shall set forth (i) the aggregate number of Optional Shares as to which the Underwriters are exercising the option and (ii) the time, date and place at which certificates for the Optional Shares will be delivered (which time and date may be simultaneous with, but not earlier than, the First Closing Date; and in the event that such time and date are simultaneous with the First Closing Date, the term “**First Closing Date**” shall refer to the time and date of delivery of certificates for the Firm Shares and such Optional Shares). Any such time and date of delivery, if subsequent to the First Closing Date, is called an “**Option Closing Date**” and shall be determined by the Representatives and shall not be earlier than three or later than five full business days after delivery of such notice of exercise. If any Optional Shares are to be purchased, each Underwriter agrees, severally and not jointly, to purchase the number of Optional Shares (subject to such adjustments to eliminate fractional shares as the Representatives may determine) that bears the same proportion to the total number of Optional Shares to be purchased as the number of Firm Shares set forth on Schedule A opposite the name of such Underwriter bears to the total number of Firm Shares. The Representatives may cancel the option at any time prior to its expiration by giving written notice of such cancellation to the Company.

(d) *Public Offering of the Offered Shares.* The Representatives hereby advise the Company that the Underwriters intend to offer for sale to the public, initially on the terms set forth in the Time of Sale Prospectus and the Prospectus, their respective portions of the Offered Shares as soon after this Agreement has been executed as the Representatives, in its sole judgment, has determined is advisable and practicable.

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(e) *Payment for the Offered Shares.* Payment for the Offered Shares shall be made at the First Closing Date (and, if applicable, at each Option Closing Date) by wire transfer of immediately available funds to the order of the Company.

It is understood that the Representatives have been authorized, for their own account and the accounts of the several Underwriters, to accept delivery of and receipt for, and make payment of the purchase price for, the Firm Shares and any Optional Shares the Underwriters have agreed to purchase. Each of Jefferies and Leerink, individually and not as the Representatives of the Underwriters, may (but shall not be obligated to) make payment for any Offered Shares to be purchased by any Underwriter whose funds shall not have been received by the Representatives by the First Closing Date or the applicable Option Closing Date, as the case may be, for the account of such Underwriter, but any such payment shall not relieve such Underwriter from any of its obligations under this Agreement.

(f) *Delivery of the Offered Shares.* The Company shall deliver, or cause to be delivered, through the facilities of The Depository Trust Company (“**DTC**”), to the Representatives for the accounts of the several Underwriters certificates for the Firm Shares at the First Closing Date, against the irrevocable release of a wire transfer of immediately available funds for the amount of the purchase price therefor. The Company shall also deliver, or cause to be delivered, through the facilities of DTC, to the Representatives for the accounts of the several Underwriters, certificates for the Optional Shares the Underwriters have agreed to purchase at the First Closing Date or the applicable Option Closing Date, as the case may be, against the irrevocable release of a wire transfer of immediately available funds for the amount of the purchase price therefor. The certificates for the Offered Shares shall be registered in such names and denominations as the Representatives shall have requested at least two full business days prior to the First Closing Date (or the applicable Option Closing Date, as the case may be). Subject to the provisions of Section 11, time shall be of the essence, and delivery at the time and place specified in this Agreement is a further condition to the obligations of the Underwriters.

Section 3. Additional Covenants. The Company further covenants and agrees with each Underwriter as follows:

(a) *Delivery of Registration Statement, Time of Sale Prospectus and Prospectus.* The Company shall furnish to you, without charge, such number of conformed copies of the Registration Statement, any amendments thereto and any Rule 462(b) Registration Statement (including exhibits thereto) as you shall reasonably request and shall furnish to you in New York City, without charge, prior to 10:00 a.m. New York City time

on the business day next succeeding the date of this Agreement and during the Prospectus Delivery Period as many copies of the Time of Sale Prospectus, the Prospectus and any supplements and amendments thereto or to the Registration Statement as you may reasonably request.

(b) *Representatives' Review of Proposed Amendments and Supplements.* During the Prospectus Delivery Period, prior to amending or supplementing the

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Registration Statement (including any registration statement filed under Rule 462(b) under the Securities Act), any preliminary prospectus, the Time of Sale Prospectus or the Prospectus, (including any amendment or supplement through incorporation by reference of any report filed under the Exchange Act), the Company shall furnish to the Representatives for review, a reasonable amount of time prior to the proposed time of filing or use thereof, a copy of each such proposed amendment or supplement. The Company shall not file or use any such proposed amendment or supplement without the Representatives' consent, which shall not be unreasonably withheld, delayed or conditioned. The Company shall file with the Commission within the applicable period specified in Rule 424(b) under the Securities Act any prospectus required to be filed pursuant to such Rule.

(c) *Free Writing Prospectuses.* The Company shall furnish to the Representatives for review, a reasonable amount of time prior to the proposed time of filing or use thereof, a copy of each proposed free writing prospectus or any amendment or supplement thereto to be prepared by or on behalf of, used by, or referred to by the Company, and the Company shall not file, use or refer to any proposed free writing prospectus or any amendment or supplement thereto without the Representatives' consent. The Company shall furnish to each Underwriter, without charge, as many copies of any free writing prospectus prepared by or on behalf of, or used by the Company, as such Underwriter may reasonably request. If at any time during the Prospectus Delivery Period there occurred or occurs an event or development as a result of which any free writing prospectus prepared by or on behalf of, used by, or referred to by the Company conflicted or would conflict with the information contained in the Registration Statement or included or would include an untrue statement of a material fact or omitted or would omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances prevailing at such time, not misleading, the Company shall promptly amend or supplement such free writing prospectus to eliminate or correct such conflict so that the statements in such free writing prospectus as so amended or supplemented will not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances prevailing at such time, not misleading, as the case may be; *provided, however*, that prior to amending or supplementing any such free writing prospectus, the Company shall furnish to the Representatives for review, a reasonable amount of time prior to the proposed time of filing or use thereof, a copy of such proposed amended or supplemented free writing prospectus, and the Company shall not file, use or refer to any such amended or supplemented free writing prospectus without the Representatives' consent which shall not be unreasonably withheld, delayed or conditioned.

(d) *Filing of Underwriter Free Writing Prospectuses.* The Company shall not take any action that would result in an Underwriter or the Company being required to file with the Commission pursuant to Rule 433(d) under the Securities Act a free writing prospectus prepared by or on behalf of the Underwriter that the Underwriter otherwise would not have been required to file thereunder.

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(e) *Amendments and Supplements to Time of Sale Prospectus.* If the Time of Sale Prospectus is being used to solicit offers to buy the Offered Shares at a time when the Prospectus is not yet available to prospective purchasers and any event shall occur or condition exist as a result of which it is necessary to amend or supplement the Time of Sale Prospectus so that the Time of Sale Prospectus does not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances when delivered (whether physically or through compliance with Rule 172 under the Securities Act or any similar rule) to a prospective purchaser, not misleading, or if any event shall occur or condition exist as a result of which the Time of Sale Prospectus conflicts with the information contained in the Registration Statement, or if, in the opinion of counsel for the Underwriters, it is necessary to amend or supplement the Time of Sale Prospectus to comply with applicable law, including the Securities Act, the Company shall (subject to Section 3(b) and Section 3(c)) forthwith prepare, file with the Commission and furnish, at its own expense, to the Underwriters and to any dealer upon request, either amendments or supplements to the Time of Sale Prospectus so that the statements in the Time of Sale Prospectus as so amended or supplemented will not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances when delivered (whether physically or through compliance with Rule 172 under the Securities Act or any similar rule) to a prospective purchaser, not misleading or so that the Time of Sale Prospectus, as amended or supplemented, will no longer conflict with the information contained in the Registration Statement, or so that the Time of Sale Prospectus, as amended or supplemented, will comply with applicable law, including the Securities Act.

(f) *Securities Act Compliance.* After the date of this Agreement and at all times during the Prospectus Delivery Period, the Company shall promptly advise the Representatives in writing (i) of the receipt of any comments of, or requests for additional or supplemental information from, the Commission, (ii) of the time and date of any filing of any post-effective amendment to the Registration Statement, any Rule 462(b) Registration Statement or any amendment or supplement to any preliminary prospectus, the Time of Sale Prospectus, any free writing prospectus or the Prospectus, (iii) of the time and date that any post-effective amendment to the Registration Statement or any Rule 462(b) Registration Statement becomes effective and (iv) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement or any post-effective amendment thereto, any Rule 462(b) Registration Statement or any amendment or supplement to any Preliminary Prospectus, the Time of Sale Prospectus or the Prospectus or of any order preventing or suspending the use of any preliminary prospectus, the Time of Sale Prospectus, any free writing prospectus or the Prospectus, or of any proceedings to remove, suspend or terminate from listing or quotation the Common Stock from any securities exchange upon which they are listed for trading or included or designated for quotation, or of the threatening or initiation of any proceedings for any of such purposes. If the Commission shall enter any such stop order at any time, the Company will use its best efforts to obtain the lifting of such order at the earliest possible moment. Additionally, the Company agrees that it shall comply with the provisions of Rule 424(b), Rule 433 and Rule 430B, as applicable, under the Securities Act and will use its reasonable efforts to confirm that any filings made by the Company

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under Rule 424(b) or Rule 433 were received in a timely manner by the Commission. If, after the date of this Agreement and at all times during the Prospectus Delivery Period, the Company receives notice pursuant to Rule 401(g)(2) under the Securities Act from the Commission or otherwise ceases to be eligible to use the automatic shelf registration form, the Company shall promptly advise the Representatives in writing of such notice or ineligibility and will (i) promptly file a new registration statement or post-effective amendment on the proper form relating to the Offered Shares, (ii) use its best efforts to cause such registration statement or post-effective amendment to be declared effective by the Commission as soon as practicable and (iii) promptly notify the Representatives in writing of such effectiveness.

(g) *Amendments and Supplements to the Prospectus and Other Securities Act Matters.* If any event shall occur or condition exist at any time during the Prospectus Delivery Period as a result of which it is necessary to amend or supplement the Prospectus so that the Prospectus does not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances when the Prospectus is delivered (whether physically or through compliance with Rule 172 under the Securities Act or any similar rule) to a purchaser, not misleading, or if in the opinion of the Representatives or counsel for the Underwriters it is otherwise necessary to amend or supplement the Prospectus to comply with applicable law, including the Securities Act, the Company agrees (subject to Section 3(b) and Section 3(c)) to promptly prepare, file with the Commission and furnish at its own expense to the Underwriters and to dealers, amendments or supplements to the Prospectus so that the statements in the Prospectus as so amended or supplemented will not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances when the Prospectus is delivered (whether physically or through compliance with Rule 172 under the Securities Act or any similar rule) to a purchaser, not misleading or so that the Prospectus, as amended or supplemented, will comply with applicable law, including the Securities Act. Neither the Representatives' consent to, or delivery of, any such amendment or supplement shall constitute a waiver of any of the Company's obligations under Section 3(b) and Section 3(c).

(h) *Blue Sky Compliance.* The Company shall cooperate with the Representatives and counsel for the Underwriters to qualify or register the Offered Shares for sale under (or obtain exemptions from the application of) the state securities or blue sky laws or Canadian provincial securities laws (or other foreign laws) of those jurisdictions designated by the Representatives, shall comply with such laws and shall continue such qualifications, registrations and exemptions in effect so long as required for the distribution of the Offered Shares. The Company shall not be required to qualify as a foreign corporation or to take any action that would subject it to general service of process in any such jurisdiction where it is not presently qualified or where it would be subject to taxation as a foreign corporation. The Company will advise the Representatives promptly of the suspension of the qualification or registration of (or any such exemption relating to) the Offered Shares for offering, sale or trading in any jurisdiction or any initiation or threat of any proceeding for any such purpose, and in the event of the issuance of any order suspending such qualification, registration or

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exemption, the Company shall use its best efforts to obtain the withdrawal thereof at the earliest possible moment.

(i) *Use of Proceeds.* The Company shall apply the net proceeds from the sale of the Offered Shares sold by it in the manner described under the caption "Use of Proceeds" in each Applicable Prospectus.

(j) *Transfer Agent.* The Company shall engage and maintain, at its expense, a registrar and transfer agent for the Common Stock.

(k) *Earnings Statement.* As soon as practicable, but in any event no later than twelve months after the date of this Agreement, the Company will make generally available to its security holders and to the Representatives an earnings statement (which need not be audited) covering a period of at least twelve months beginning with the first fiscal quarter of the Company occurring after the date of this Agreement which shall satisfy the provisions of Section 11(a) of the Securities Act and the rules and regulations of the Commission thereunder.

(l) *Periodic Reporting Obligations.* The Company shall file, on a timely basis, with the Commission and the NASDAQ Global Market all reports and documents required to be filed by it under the Exchange Act.

(m) *Listing.* The Company will use its reasonable best efforts to list, subject to notice of issuance, the Offered Shares on the NASDAQ Global Market.

(n) *Company to Provide Copy of the Prospectus in Form That May be Downloaded from the Internet.* If requested by the Representatives, the Company shall cause to be prepared and delivered, at its expense, within one business day from the effective date of this Agreement, to the Representatives an "electronic Prospectus" to be used by the Underwriters in connection with the offering and sale of the Offered Shares. As used herein, the term "**electronic Prospectus**" means a form of Time of Sale Prospectus, and any amendment or supplement thereto, that meets each of the following conditions: (i) it shall be encoded in an electronic format, reasonably satisfactory to the Representatives, that may be transmitted electronically by the Representatives and the other Underwriters to offerees and purchasers of the Offered Shares; (ii) it shall disclose the same information as the paper Time of Sale Prospectus, except to the extent that graphic and image material cannot be disseminated electronically, in which case such graphic and image material shall be replaced in the electronic Prospectus with a fair and accurate narrative description or tabular representation of such material, as appropriate; and (iii) it shall be in or convertible into a paper format or an electronic format, satisfactory to the Representatives, that will allow investors to store and have continuously ready access to the Time of Sale Prospectus at any future time, without charge to investors (other than any fee charged for subscription to the Internet as a whole and for on-line time). The Company hereby confirms that it has included or will include in the Prospectus filed pursuant to EDGAR or otherwise with the Commission and in the Registration Statement at the time it was declared effective an undertaking that, upon receipt of a request by an investor or his or her representatives, the Company shall

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transmit or cause to be transmitted promptly, without charge, a paper copy of the Time of Sale Prospectus.

(o) *Agreement Not to Offer or Sell Additional Shares.* During the period commencing on and including the date hereof and ending on and including the 90th day following the date of this Agreement (as the same may be extended as described below, the "**Lock-up Period**"), the

Company will not, without the prior written consent of the Representatives (which consent may be withheld at their sole discretion), directly or indirectly, sell (including, without limitation, any short sale), offer, contract or grant any option to sell, pledge, transfer or establish an open “put equivalent position” within the meaning of Rule 16a-1(h) under the Exchange Act, or otherwise dispose of or transfer, or announce the offering of, or file any registration statement under the Securities Act in respect of, any Common Stock, options, rights or warrants to acquire Common Stock or securities exchangeable or exercisable for or convertible into Common Stock (other than as contemplated by this Agreement with respect to the Offered Shares) or publicly announce the intention to do any of the foregoing; *provided, however*, that the Company may issue Common Stock or options to purchase Common Stock, or issue Common Stock upon exercise of options, pursuant to any stock option, stock bonus or other stock plan or arrangement described in each Applicable Prospectus, but only if the holders of such Common Stock or options agree in writing not to sell, offer, dispose of or otherwise transfer any such shares or options during such Lock-up Period without the prior written consent of the Representatives (which consent may be withheld at their sole discretion). Notwithstanding the foregoing, if (i) during the last 17 days of the Lock-up Period, the Company issues an earnings release or material news or a material event relating to the Company occurs or (ii) prior to the expiration of the Lock-up Period, the Company announces that it will release earnings results during the 16-day period beginning on the last day of the Lock-up Period, then in each case the Lock-up Period will be extended until the expiration of the 18-day period beginning on the date of the issuance of the earnings release or the occurrence of the material news or material event, as applicable, unless the Representatives waive, in writing, such extension (which waiver may be withheld at their sole discretion), except that such extension will not apply during any period subsequent to the delivery by the Company of a certificate, signed by the Chief Financial Officer or Chief Executive Officer of the Company, certifying on behalf of the Company that (i) the Common Stock is an “actively traded security” (as defined in Regulation M), (ii) the Company meets the applicable requirements of Rule 139 under the Securities Act in the manner contemplated by FINRA Rule 2711(f)(4), and (iii) the provisions of FINRA Rule 2711(f)(4) are not applicable to any research reports relating to the Company published or distributed by any of the Underwriters during the 15 days before or after the last day of the Lock-up Period (before giving effect to such extension). The Company will provide the Representatives with prior notice of any such announcement that gives rise to an extension of the Lock-up Period.

(p) *Future Reports to the Representatives.* So long as the Company remains subject to the reporting requirements of Section 13(a) or 15(d) of the Exchange Act, during the period of five years hereafter, the Company will furnish to Jefferies at 520 Madison Avenue, New York, New York 10022, Attention: Global Head of Syndicate, and to Leerink at 299 Park Avenue, 21st Floor, New York, NY 10171, Attention:

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Syndicate, (i) as soon as practicable after the filing thereof, copies of each proxy statement, Annual Report on Form 10-K, Quarterly Report on Form 10-Q, Current Report on Form 8-K or other report filed by the Company with the Commission or any securities exchange; and (ii) as soon as available, copies of any report or communication of the Company mailed generally to holders of its capital stock; provided, however, that the requirements of this paragraph (q) shall be deemed to be satisfied if such documents are filed on EDGAR.

(q) *Investment Limitation.* The Company shall not invest, or otherwise use the proceeds received by the Company from its sale of the Offered Shares in such a manner as would require the Company to register as an investment company under the Investment Company Act.

(r) *No Stabilization or Manipulation; Compliance with Regulation M.* The Company will not take, directly or indirectly, any action designed to or that might be reasonably expected to cause or result in stabilization or manipulation of the price of the Common Stock or any other reference security, whether to facilitate the sale or resale of the Offered Shares or otherwise, and the Company will, and shall cause each of its affiliates to, comply with all applicable provisions of Regulation M. If the limitations of Rule 102 of Regulation M (“**Rule 102**”) do not apply with respect to the Offered Shares or any other reference security pursuant to any exception set forth in Section (d) of Rule 102, then promptly upon notice from the Representatives (or, if later, at the time stated in the notice), the Company will, and shall cause each of its affiliates to, comply with Rule 102 as though such exception were not available but the other provisions of Rule 102 (as interpreted by the Commission) did apply.

(s) *Existing Lock-Up Agreements.* During the lock-up Period, the Company will enforce all existing agreements between the Company and any of its security holders that prohibit the sale, transfer, assignment, pledge or hypothecation of any of the Company’s securities. In addition, the Company will direct the transfer agent to place stop transfer restrictions upon any such securities of the Company that are bound by such existing “lock-up” agreements for the duration of the periods contemplated in such agreements, including, without limitation, “lock-up” agreements entered into by the Company’s officers and directors pursuant to Section 6(i).

(t) *Commission Filing Fees.* The Company agrees to pay the required Commission filing fees relating to the Offered Shares within the time required by Rule 456(b)(1) under the Securities Act without regard to the proviso therein and otherwise in accordance with the Rules 456(b) and 457(r) under the Securities Act.

Section 4. Payment of Expenses. The Company agrees to pay all costs, fees and expenses incurred in connection with the performance of its obligations hereunder and in connection with the transactions contemplated hereby, including, without limitation, (i) all expenses incident to the issuance and delivery of the Offered Shares (including all printing and engraving costs), (ii) all fees and expenses of the registrar and transfer agent of the Common Stock, (iii) all necessary issue, transfer and other stamp taxes in connection with the issuance and sale of the Offered Shares to the Underwriters, (iv) all fees and expenses of the Company’s

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counsel, independent public or certified public accountants and other advisors, (v) all costs and expenses incurred in connection with the preparation, printing, filing, shipping and distribution of the Registration Statement (including financial statements, exhibits, schedules, consents and certificates of experts), the Time of Sale Prospectus, the Prospectus, each free writing prospectus prepared by or on behalf of, used by, or referred to by the Company, and each preliminary prospectus, and all amendments and supplements thereto, and this Agreement, (vi) all filing fees, attorneys’ fees and expenses incurred by the Company or the Underwriters in connection with qualifying or registering (or obtaining exemptions from the qualification or registration of) all or any part of the Offered Shares for offer and sale under the state securities or blue sky laws or the provincial securities laws of Canada, and, if requested by the Representatives, preparing and printing a “Blue Sky Survey” or memorandum and a “Canadian wrapper,” and any supplements thereto, advising the Underwriters of such qualifications, registrations and exemptions, (vii) the reasonable fees, out-of-pocket costs and expenses of counsel for the Underwriters in connection with determining their compliance with the rules and regulations of FINRA related to the Underwriters’ participation in the offering and distribution of the Offered Shares, (viii) the costs and expenses of the Company relating to investor presentations on any “road show” undertaken in

connection with the marketing of the offering of the Offered Shares, including, without limitation, expenses associated with the preparation or dissemination of any electronic road show, expenses associated with the production of road show slides and graphics, fees and expenses of any consultants engaged in connection with the road show presentations with the prior approval of the Company, travel and lodging expenses of the representatives, employees and officers of the Company and of the Representatives and any such consultants, and the cost of any aircraft chartered in connection with the road show, (ix) the fees and expenses associated with listing the Offered Shares on the NASDAQ Global Market, and (x) all other fees, costs and expenses of the nature referred to in Item 14 of Part II of the Registration Statement. Except as provided in this Section 4 or in Section 7, Section 9 or Section 10 hereof, the Underwriters shall pay their own expenses, including the fees and disbursements of their counsel.

Section 5. Covenant of the Underwriters. Each Underwriter severally and not jointly, covenants with the Company not to take any action that would result in the Company being required to file with the Commission pursuant to Rule 433(d) under the Securities Act a free writing prospectus prepared by or on behalf of such Underwriter that otherwise would not be required to be filed by the Company thereunder, but for the action of the Underwriter.

Section 6. Conditions of the Obligations of the Underwriters. The obligations of the several Underwriters to purchase and pay for the Offered Shares as provided herein on the First Closing Date and, with respect to the Optional Shares, each Option Closing Date (or the First Closing Date, if such Optional Shares are to be purchased on the First Closing Date) shall be subject to the accuracy of the representations and warranties on the part of the Company set forth in Section 1 hereof as of the date hereof and as of the First Closing Date as though then made and, with respect to the Optional Shares, as of each Option Closing Date (or the First Closing Date, if such Optional Shares are to be purchased on the First Closing Date) as though then made, to the timely performance by the Company of its covenants and other obligations hereunder, and to each of the following additional conditions:

(a) *Accountants' Comfort Letters.* The Representatives shall have received, on the date hereof, from PricewaterhouseCoopers LLP, (i) a letter dated the date hereof

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addressed to the Underwriters, in form and substance satisfactory to the Representatives and PricewaterhouseCoopers LLP, containing statements and information of the type ordinarily included in accountant's "comfort letters" to underwriters, delivered according to Statement of Auditing Standards No. 72 (or any successor bulletin), with respect to the audited and unaudited financial statements of the Company audited or reviewed, as applicable, by them and certain financial information contained in the Registration Statement, the Preliminary Prospectus, Time of Sale Prospectus, and each free writing prospectus, if any, which letter shall confirm that PricewaterhouseCoopers LLP are (I) independent registered public accountants with respect to the Company as required by the Securities Act, the Exchange Act and the rules of the PCAOB and (II) in compliance with the applicable requirements relating to the qualification of accountants under Rule 2-01 of Regulation S-X under the Exchange Act; and (ii) an additional conformed copy of such letter for each of the other several Underwriters.

(b) *Compliance with Registration Requirements; No Stop Order; No Objection from FINRA.*

(i) the Company shall have filed the Prospectus with the Commission (including the information previously omitted from the Registration Statement pursuant to Rule 430B under the Securities Act) in the manner and within the time period required by Rule 424(b) under the Securities Act;

(ii) no stop order suspending the effectiveness of the Registration Statement, any Rule 462(b) Registration Statement, or any post-effective amendment to the Registration Statement, shall be in effect and no proceedings for such purpose shall have been instituted or threatened by the Commission; and

(iii) FINRA shall have raised no objection to the fairness and reasonableness of the underwriting terms and arrangements.

(c) *No Material Adverse Change.* For the period from and after the date of this Agreement and through and including the First Closing Date and, with respect to any Optional Shares the purchase and sale of which occur after the First Closing Date, each Option Closing Date, in the judgment of Jefferies there shall not have occurred any Material Adverse Change.

(d) *Opinion of Counsel for the Company.* On each of the First Closing Date and each Option Closing Date, the Representatives shall have received the opinion letter and negative assurance letter of Lowenstein Sandler LLP, counsel for the Company, dated as of such date, the forms of which are attached as Exhibit A-1 and Exhibit A-2, respectively (and the Representatives shall have received an additional signed copy of such counsel's legal opinion for each of the other several Underwriters).

(e) *Opinion of Intellectual Property Counsel for the Company.* On each of the First Closing Date and each Option Closing Date, the Representatives shall have received the opinion of Philip Walters, Vice President, Intellectual Property, of the Company with respect to intellectual property matters, dated as of such date, the form of

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which is attached as Exhibit B (and the Representatives shall have received an additional signed copy of such counsel's legal opinion for each of the other several Underwriters).

(f) *Opinion of Counsel for the Underwriters.* On each of the First Closing Date and each Option Closing Date the Representatives shall have received the opinion of Covington & Burling LLP, counsel for the Underwriters in connection with the offer and sale of the Offered Shares, in form and substance satisfactory to the Underwriters, dated as of such date.

(g) *Officers' Certificate.* On each of the First Closing Date and each Option Closing Date, the Representatives shall have received a written certificate executed by the Chief Executive Officer or President of the Company and the Chief Financial Officer of the Company, dated as of such date, solely in such person's capacity as an officer of the Company and not in his individual capacity) to the effect set forth in Section 6(b) (ii) and further to the effect that:

(i) for the period from and including the date of this Agreement through and including such date, there has not occurred any Material Adverse Change;

(ii) the representations, warranties and covenants of the Company set forth in Section 1 of this Agreement are true and correct with the same force and effect as though expressly made on and as of such date; and

(iii) the Company has complied in all material respects with all the agreements hereunder to be complied with on its behalf and satisfied in all material respects all the conditions on its part to be performed or satisfied hereunder at or prior to such date.

(h) *Bring-down Comfort Letter.* On each of the First Closing Date and each Option Closing Date the Representatives shall have received from PricewaterhouseCoopers LLP, independent registered public accountants for the Company, (i) a letter dated such date, in form and substance satisfactory to the Representatives and PricewaterhouseCoopers LLP, which letter shall (a) reaffirm the statements made in the letter furnished by them pursuant to Section 6(a), except that the specified date referred to therein for the carrying out of procedures shall be no more than three business days prior to the First Closing Date or the applicable Option Closing Date, as the case may be; and (b) cover certain financial information contained in the Prospectus; and (ii) an additional conformed copy of such accountants' letter for each of the other several Underwriters).

(i) *Lock-Up Agreement from Certain Persons.* On or prior to the date hereof, the Company shall have furnished to the Representatives an agreement in the form of Exhibit C hereto from each of the persons identified in Exhibit D hereto, and each such agreement shall be in full force and effect on each of the First Closing Date and each Option Closing Date.

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(j) *Rule 462(b) Registration Statement.* In the event that a Rule 462(b) Registration Statement is filed in connection with the offering contemplated by this Agreement, such Rule 462(b) Registration Statement shall have been filed with the Commission on the date of this Agreement and shall have become effective automatically upon such filing.

(k) *Additional Documents.* On or before each of the First Closing Date and each Option Closing Date, the Representatives and counsel for the Underwriters shall have received such information, documents and opinions as they may reasonably request for the purposes of enabling them to pass upon the issuance and sale of the Offered Shares as contemplated herein, or in order to evidence the accuracy of any of the representations and warranties, or the satisfaction of any of the conditions or agreements, herein contained; and all proceedings taken by the Company in connection with the issuance and sale of the Offered Shares as contemplated herein and in connection with the other transactions contemplated by this Agreement shall be reasonably satisfactory in form and substance to the Representatives and counsel for the Underwriters.

If any condition specified in this Section 6 is not satisfied when and as required to be satisfied or otherwise waived by the Representatives, this Agreement may be terminated by the Representatives by notice to the Company at any time on or prior to the First Closing Date and, with respect to the Optional Shares, at any time on or prior to the applicable Option Closing Date, which termination shall be without liability on the part of any party to any other party, except that Section 4, Section 7, Section 9 and Section 10 shall at all times be effective and shall survive such termination.

Section 7. Reimbursement of Underwriters' Expenses. If this Agreement is terminated by the Representatives pursuant to Section 6 or Section 12, or if the sale to the Underwriters of the Offered Shares on the First Closing Date is not consummated because of any refusal, inability or failure on the part of the Company to perform any agreement herein or to comply with any provision hereof, the Company agrees to reimburse the Representatives and the other Underwriters (or such Underwriters as have terminated this Agreement with respect to themselves), severally, upon demand for all reasonable out-of-pocket expenses that shall have been reasonably incurred by the Representatives and the Underwriters in connection with the proposed purchase and the offering and sale of the Offered Shares, including but not limited to reasonable fees and disbursements of counsel, printing expenses, travel expenses, postage, facsimile and telephone charges.

Section 8. Effectiveness of this Agreement. This Agreement shall not become effective until the execution and delivery of this Agreement by the parties hereto.

Section 9. Indemnification.

(a) *Indemnification of the Underwriters.* The Company agrees to indemnify and hold harmless each Underwriter, its affiliates, directors, officers, employees and agents, and each person, if any, who controls any Underwriter within the meaning of the Securities Act or the Exchange Act against any loss, claim, damage, liability or expense, as incurred, to which such Underwriter or such affiliate, director, officer, employee, agent

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or controlling person may become subject, under the Securities Act, the Exchange Act, other federal or state statutory law or regulation, or the laws or regulations of foreign jurisdictions where Offered Shares have been offered or sold or at common law or otherwise (including in settlement of any litigation effected in accordance with this Agreement), insofar as such loss, claim, damage, liability or expense (or actions in respect thereof as contemplated below) arises out of or is based upon (i) any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, or any amendment thereto, or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein not misleading; or (ii) any untrue statement or alleged untrue statement of a material fact contained in any preliminary prospectus, the Time of Sale Prospectus, any free writing prospectus that the Company has used, referred to or filed, or is required to file, pursuant to Rule 433(d) of the Securities Act, or the Prospectus (or any amendment or supplement to the foregoing), or the omission or alleged omission therefrom of a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading, and to reimburse each Underwriter and each such affiliate, director, officer, employee, agent or controlling person for any and all reasonable out-of-pocket expenses (including the reasonable fees and disbursements of counsel c) as such expenses are reasonably incurred by such Underwriter or such affiliate, director, officer, employee, agent or controlling person in connection with investigating, defending, settling,

compromising or paying any such loss, claim, damage, liability, expense or action; *provided, however*, that the foregoing indemnity agreement shall not apply to any loss, claim, damage, liability or expense to the extent, but only to the extent, arising out of or based upon any untrue statement or alleged untrue statement or omission or alleged omission made in reliance upon and in conformity with written information relating to any Underwriter furnished to the Company by the Representatives expressly for use in the Registration Statement, any preliminary prospectus, the Time of Sale Prospectus, any such free writing prospectus or the Prospectus (or any amendment or supplement thereto), it being understood and agreed that the only such information furnished by the Representatives to the Company consists of the information described in Section 9(b) below. The indemnity agreement set forth in this Section 9(a) shall be in addition to any liabilities that the Company may otherwise have.

(b) *Indemnification of the Company, its Directors and Officers.* Each Underwriter agrees, severally and not jointly, to indemnify and hold harmless the Company, each of its directors, each of its officers who signed the Registration Statement and each person, if any, who controls the Company within the meaning of the Securities Act or the Exchange Act, against any loss, claim, damage, liability or expense, as incurred, to which the Company, or any such director, officer or controlling person may become subject, under the Securities Act, the Exchange Act, or other federal or state statutory law or regulation, or at common law or otherwise (including in settlement of any litigation, if such settlement is effected with the written consent of such Underwriter), insofar as such loss, claim, damage, liability or expense (or actions in respect thereof as contemplated below) arises out of or is based upon any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, any preliminary prospectus the Time of Sale Prospectus, any free writing prospectus that the Company has used, referred to or filed, or is required to file, pursuant

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to Rule 433(d) of the Securities Act, or the Prospectus (or any amendment or supplement to the foregoing), or arises out of or is based upon the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, in each case to the extent, but only to the extent, that such untrue statement or alleged untrue statement or omission or alleged omission was made in the Registration Statement, such preliminary prospectus, the Time of Sale Prospectus, such free writing prospectus that the Company has used, referred to or filed, or is required to file, pursuant to Rule 433(d) of the Securities Act, the Prospectus (or any amendment or supplement to the foregoing), in reliance upon and in conformity with written information relating to any Underwriter furnished to the Company by the Representatives expressly for use therein; and to reimburse the Company, or any such director, officer or controlling person for any legal and other expense reasonably incurred by the Company, or any such director, officer or controlling person in connection with investigating, defending, settling, compromising or paying any such loss, claim, damage, liability, expense or action. The Company hereby acknowledges that the only information that the Representatives and the other Underwriters have furnished to the Company expressly for use in the Registration Statement, any preliminary prospectus, the Time of Sale Prospectus, any free writing prospectus that the Company has filed, or is required to file, pursuant to Rule 433(d) of the Securities Act or the Prospectus (or any amendment or supplement to the foregoing) are the statements set forth in the first three sentences of the first paragraph below the title "Commissions and Expenses" (except, in the case of the Final Prospectus Supplement, only the first two sentences), the statements set forth in the first sentence of the first paragraph, the second sentence of the second paragraph, the second sentence of the third paragraph and the sixth paragraph, each under the title "Stabilization" and the statements in the first sentence below the title "Electronic Distribution," in each case under the caption "Underwriting" in the Company's preliminary prospectus supplement dated February 24, 2015 and the Final Prospectus Supplement. The indemnity agreement set forth in this Section 9(b) shall be in addition to any liabilities that each Underwriter may otherwise have.

(c) *Notifications and Other Indemnification Procedures.* Promptly after receipt by an indemnified party under this Section 9 of notice of the commencement of any action, such indemnified party will, if a claim in respect thereof is to be made against an indemnifying party under this Section 9, notify the indemnifying party in writing of the commencement thereof, but the omission so to notify the indemnifying party will not relieve it from any liability which it may have to any indemnified party for contribution or otherwise than under the indemnity agreement contained in this Section 9 or to the extent it is not materially prejudiced as a proximate result of such failure. In case any such action is brought against any indemnified party and such indemnified party seeks or intends to seek indemnity from an indemnifying party, the indemnifying party will be entitled to participate in, and, to the extent that it shall elect, jointly with all other indemnifying parties similarly notified, by written notice delivered to the indemnified party promptly after receiving the aforesaid notice from such indemnified party, to assume the defense thereof with counsel reasonably satisfactory to such indemnified party; *provided, however*, that if the defendants in any such action include both the indemnified party and the indemnifying party and the indemnified party shall have reasonably concluded that a conflict may arise between the positions of the indemnifying

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party and the indemnified party in conducting the defense of any such action (other than a conflict resulting solely from the indemnified party's right under this Section 9 for indemnification by the indemnifying party or the indemnified party's right under Section 10 hereof to contribution by the indemnifying party) or that there may be legal defenses available to it and/or other indemnified parties which are different from or additional to those available to the indemnifying party, the indemnified party or parties shall have the right to select separate counsel to assume such legal defenses and to otherwise participate in the defense of such action on behalf of such indemnified party or parties. Upon receipt of notice from the indemnifying party to such indemnified party of such indemnifying party's election so to assume the defense of such action and approval by the indemnified party of counsel, the indemnifying party will not be liable to such indemnified party under this Section 9 for any legal or other expenses subsequently incurred by such indemnified party in connection with the defense thereof unless (i) the indemnified party shall have employed separate counsel in accordance with the proviso to the preceding sentence (it being understood, however, that the indemnifying party shall not be liable for the fees and expenses of more than one separate counsel (together with local counsel), representing the indemnified parties who are parties to such action), which counsel (together with any local counsel) for the indemnified parties shall be selected by Jefferies (in the case of counsel for the indemnified parties referred to in Section 9(a) above) or by the Company (in the case of counsel for the indemnified parties referred to in Section 9(b) above) or (ii) the indemnifying party shall not have employed counsel reasonably satisfactory to the indemnified party to represent the indemnified party within a reasonable time after notice of commencement of the action or (iii) the indemnifying party has authorized in writing the employment of counsel for the indemnified party at the expense of the indemnifying party, in each of which cases the fees and expenses of counsel shall be at the expense of the indemnifying party and shall be paid as they are incurred.

(d) *Settlements.* The indemnifying party under this Section 9 shall not be liable for any settlement of any proceeding effected without its prior written consent, but if settled with such consent or if there be a final judgment for the plaintiff, the indemnifying party agrees to indemnify the indemnified party against any loss, claim, damage, liability or expense by reason of such settlement or judgment. Notwithstanding the foregoing

sentence, if at any time an indemnified party shall have requested an indemnifying party to reimburse the indemnified party for fees and expenses of counsel as contemplated by Section 9(c) hereof, the indemnifying party agrees that it shall be liable for any settlement of any proceeding effected without its written consent if (i) such settlement is entered into more than 30 days after receipt by such indemnifying party of the aforesaid request and (ii) such indemnifying party shall not have reimbursed the indemnified party in accordance with such request prior to the date of such settlement. No indemnifying party shall, without the prior written consent of the indemnified party, effect any settlement, compromise or consent to the entry of judgment in any pending or threatened action, suit or proceeding in respect of which any indemnified party is or could have been a party and indemnity was or could have been sought hereunder by such indemnified party, unless such settlement, compromise or consent includes an unconditional release of such indemnified party from all liability on claims that are the

subject matter of such action, suit or proceeding and does not include an admission of fault or culpability or a failure to act by or on behalf of such indemnified party.

Section 10. Contribution. If the indemnification provided for in Section 9 is for any reason held to be unavailable to or otherwise insufficient to hold harmless an indemnified party in respect of any losses, claims, damages, liabilities or expenses referred to therein, then each indemnifying party shall contribute to the aggregate amount paid or payable by such indemnified party, as incurred, as a result of any losses, claims, damages, liabilities or expenses referred to therein (i) in such proportion as is appropriate to reflect the relative benefits received by the Company, on the one hand, and the Underwriters, on the other hand, from the offering of the Offered Shares pursuant to this Agreement or (ii) if the allocation provided by clause (i) above is not permitted by applicable law, in such proportion as is appropriate to reflect not only the relative benefits referred to in clause (i) above but also the relative fault of the Company, on the one hand, and the Underwriters, on the other hand, in connection with the statements or omissions which resulted in such losses, claims, damages, liabilities or expenses, as well as any other relevant equitable considerations. The relative benefits received by the Company, on the one hand, and the Underwriters, on the other hand, in connection with the offering of the Offered Shares pursuant to this Agreement shall be deemed to be in the same respective proportions as the total net proceeds from the offering of the Offered Shares pursuant to this Agreement (before deducting expenses) received by the Company, and the total underwriting discounts and commissions received by the Underwriters, in each case as set forth on the front cover page of the Prospectus bear to the aggregate initial public offering price of the Offered Shares as set forth on such cover. The relative fault of the Company, on the one hand, and the Underwriters, on the other hand, shall be determined by reference to, among other things, whether any such untrue or alleged untrue statement of a material fact or omission or alleged omission to state a material fact relates to information supplied by the Company, on the one hand, or the Underwriters, on the other hand, and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission.

The amount paid or payable by a party as a result of the losses, claims, damages, liabilities and expenses referred to above shall be deemed to include, subject to the limitations set forth in Section 9(c), any legal or other fees or expenses reasonably incurred by such party in connection with investigating or defending any action or claim. The provisions set forth in Section 9(c) with respect to notice of commencement of any action shall apply if a claim for contribution is to be made under this Section 10; *provided, however*, that no additional notice shall be required with respect to any action for which notice has been given under Section 9(c) for purposes of indemnification.

The Company and the Underwriters agree that it would not be just and equitable if contribution pursuant to this Section 10 were determined by pro rata allocation (even if the Underwriters were treated as one entity for such purpose) or by any other method of allocation which does not take account of the equitable considerations referred to in this Section 10.

Notwithstanding the provisions of this Section 10, no Underwriter shall be required to contribute any amount in excess of the underwriting discounts and commissions received by such Underwriter in connection with the Offered Shares underwritten by it and distributed to the public. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of

the Securities Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. The Underwriters' obligations to contribute pursuant to this Section 10 are several, and not joint, in proportion to their respective underwriting commitments as set forth opposite their respective names on Schedule A. For purposes of this Section 10, each officer and employee of an Underwriter and each person, if any, who controls an Underwriter within the meaning of the Securities Act or the Exchange Act shall have the same rights to contribution as such Underwriter, and each director of the Company, each officer of the Company who signed the Registration Statement, and each person, if any, who controls the Company with the meaning of the Securities Act and the Exchange Act shall have the same rights to contribution as the Company.

Section 11. Default of One or More of the Several Underwriters. If, on the First Closing Date or the applicable Option Closing Date, as the case may be, any one or more of the several Underwriters shall fail or refuse to purchase Offered Shares that it or they have agreed to purchase hereunder on such date, and the aggregate number of Offered Shares which such defaulting Underwriter or Underwriters agreed but failed or refused to purchase does not exceed 10% of the aggregate number of the Offered Shares to be purchased on such date, the Representatives may make arrangements satisfactory to the Company for the purchase of such Offered Shares by other persons, including any of the Underwriters, but if no such arrangements are made by such date, the other Underwriters shall be obligated, severally and not jointly, in the proportions that the number of Firm Shares set forth opposite their respective names on Schedule A bears to the aggregate number of Firm Shares set forth opposite the names of all such non-defaulting Underwriters, or in such other proportions as may be specified by the Representatives with the consent of the non-defaulting Underwriters, to purchase the Offered Shares which such defaulting Underwriter or Underwriters agreed but failed or refused to purchase on such date. If, on the First Closing Date or the applicable Option Closing Date, as the case may be, any one or more of the Underwriters shall fail or refuse to purchase Offered Shares and the aggregate number of Offered Shares with respect to which such default occurs exceeds 10% of the aggregate number of Offered Shares to be purchased on such date, and arrangements satisfactory to the Representatives and the Company for the purchase of such Offered Shares are not made within 48 hours after such default, this Agreement shall terminate without liability of any party to any other party, except that the provisions of Section 4, Section 7, Section 9 and Section 10 shall at all times be effective and shall survive such termination. In any such case either the Representatives or the Company shall have the right to postpone the First Closing Date or the applicable Option Closing Date, as the case may be, but in no event for longer than seven days in order that the required changes, if any, to the Registration Statement and the Prospectus or any other documents or arrangements may be effected.

As used in this Agreement, the term “Underwriter” shall be deemed to include any person substituted for a defaulting Underwriter under this Section 11. Any action taken under this Section 11 shall not relieve any defaulting Underwriter from liability in respect of any default of such Underwriter under this Agreement.

Section 12. Termination of this Agreement. Prior to the purchase of the Firm Shares by the Underwriters on the First Closing Date, this Agreement may be terminated by Jefferies by notice given to the Company if at any time (i) trading or quotation in any of the Company’s securities shall have been suspended or limited by the Commission or by the NASDAQ Global

Market, or trading in securities generally on either the Nasdaq Stock Market or the New York Stock Exchange shall have been suspended or limited, or minimum or maximum prices shall have been generally established on any of such stock exchanges; (ii) a general banking moratorium shall have been declared by any of federal, New York, Delaware or California authorities; (iii) there shall have occurred any outbreak or escalation of national or international hostilities or any crisis or calamity, or any change in the United States or international financial markets, or any substantial change or development involving a prospective substantial change in United States’ or international political, financial or economic conditions, as in the judgment of Jefferies is material and adverse and makes it impracticable to market the Offered Shares in the manner and on the terms described in the Time of Sale Prospectus or the Prospectus or to enforce contracts for the sale of securities; (iv) in the judgment of Jefferies, there shall have occurred any Material Adverse Change; or (v) the Company shall have sustained a loss by strike, fire, flood, earthquake, accident or other calamity of such character as in the judgment of the Jefferies may interfere materially with the conduct of the business and operations of the Company regardless of whether or not such loss shall have been insured. Any termination pursuant to this Section 12 shall be without liability on the part of (a) the Company to any Underwriter, except pursuant to Section 4 or Section 7 hereof or (b) any Underwriter to the Company; *provided, however*, that the provisions of Section 9 and Section 10 shall at all times be effective and shall survive such termination.

Section 13. No Advisory or Fiduciary Relationship. The Company acknowledges and agrees that (a) the purchase and sale of the Offered Shares pursuant to this Agreement, including the determination of the public offering price of the Offered Shares and any related discounts and commissions, is an arm’s-length commercial transaction between the Company, on the one hand, and the several Underwriters, on the other hand, (b) in connection with the offering contemplated hereby and the process leading to such transaction each Underwriter is and has been acting solely as a principal and is not the agent or fiduciary of the Company, or its stockholders, creditors, employees or any other party, (c) no Underwriter has assumed or will assume an advisory or fiduciary responsibility in favor of the Company with respect to the offering contemplated hereby or the process leading thereto (irrespective of whether such Underwriter has advised or is currently advising the Company on other matters), and no Underwriter has any obligation to the Company with respect to the offering contemplated hereby except the obligations expressly set forth in this Agreement, (d) the Underwriters and their respective affiliates may be engaged in a broad range of transactions that involve interests that differ from those of the Company, and (e) the Underwriters have not provided any legal, accounting, regulatory or tax advice with respect to the offering contemplated hereby and the Company has consulted its own legal, accounting, regulatory and tax advisors to the extent it deemed appropriate.

Section 14. Representations and Indemnities to Survive Delivery. The respective indemnities, agreements, representations, warranties and other statements of the Company, of its officers and of the several Underwriters set forth in or made pursuant to this Agreement will remain in full force and effect, regardless of any investigation made by or on behalf of any Underwriter or the Company or any of its or their partners, officers or directors or any controlling person, as the case may be, and, anything herein to the contrary notwithstanding, will survive delivery of and payment for the Offered Shares sold hereunder and any termination of this Agreement.

Section 15. Notices. All communications hereunder shall be in writing and shall be mailed, hand delivered or telecopied and confirmed to the parties hereto as follows:

If to the Representatives:	Jefferies LLC 520 Madison Avenue New York, New York 10022 Facsimile: (646) 619-4437 Attention: General Counsel
	Leerink Partners LLC One Federal Street, 37th Floor Boston, MA 02110 Facsimile: (617) 918-4664 Attention: General Counsel
with a copy to:	Covington & Burling LLP 620 8th Avenue New York, New York 10018 Facsimile: (646) 441-9101 Attention: Donald Murray
If to the Company	Celldex Therapeutics, Inc. Perryville III Building 53 Frontage Road, Suite 220 Hampton, NJ 08827 Facsimile: (781) 433-3191 and (908) 454-1911 Attention: Anthony S. Marucci
with a copy to:	Lowenstein Sandler LLP

Any party hereto may change the address for receipt of communications by giving written notice to the others.

Section 16. Successors. This Agreement will inure to the benefit of and be binding upon the parties hereto, including any substitute Underwriters pursuant to Section 11 hereof, and to the benefit of the agents, employees, officers, directors, affiliates and controlling persons referred to in Section 9 and Section 10, and in each case their respective successors, and no other person will have any right or obligation hereunder. The term “successors” shall not include any purchaser of the Offered Shares as such from any of the Underwriters merely by reason of such purchase.

Section 17. Partial Unenforceability. The invalidity or unenforceability of any Section, paragraph or provision of this Agreement shall not affect the validity or enforceability

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of any other Section, paragraph or provision hereof. If any Section, paragraph or provision of this Agreement is for any reason determined to be invalid or unenforceable, there shall be deemed to be made such minor changes (and only such minor changes) as are necessary to make it valid and enforceable.

Section 18. Governing Law Provisions. This Agreement shall be governed by and construed in accordance with the internal laws of the State of New York applicable to agreements made and to be performed in such state. Any legal suit, action or proceeding arising out of or based upon this Agreement or the transactions contemplated hereby may be instituted in the federal courts of the United States of America located in the Borough of Manhattan in the City of New York or the courts of the State of New York in each case located in the Borough of Manhattan in the City of New York (collectively, the “**Specified Courts**”), and each party irrevocably submits to the exclusive jurisdiction (except for proceedings instituted in regard to the enforcement of a judgment of any such court, as to which such jurisdiction is non-exclusive) of such courts in any such suit, action or proceeding. Service of any process, summons, notice or document by mail to such party’s address set forth above shall be effective service of process for any suit, action or other proceeding brought in any such court. The parties irrevocably and unconditionally waive any objection to the laying of venue of any suit, action or other proceeding in the Specified Courts and irrevocably and unconditionally waive and agree not to plead or claim in any such court that any such suit, action or other proceeding brought in any such court has been brought in an inconvenient forum.

Section 19. General Provisions. This Agreement constitutes the entire agreement of the parties to this Agreement and supersedes all prior written or oral and all contemporaneous oral agreements, understandings and negotiations with respect to the subject matter hereof. This Agreement may be executed in two or more counterparts, each one of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument. This Agreement may not be amended or modified unless in writing by all of the parties hereto, and no condition herein (express or implied) may be waived unless waived in writing by each party whom the condition is meant to benefit. The section headings herein are for the convenience of the parties only and shall not affect the construction or interpretation of this Agreement.

Each of the parties hereto acknowledges that it is a sophisticated business person who was adequately represented by counsel during negotiations regarding the provisions hereof, including, without limitation, the indemnification provisions of Section 9 and the contribution provisions of Section 10, and is fully informed regarding said provisions. Each of the parties hereto further acknowledges that the provisions of Section 9 and Section 10 hereof fairly allocate the risks in light of the ability of the parties to investigate the Company, its affairs and its business in order to assure that adequate disclosure has been made in the Registration Statement, any preliminary prospectus, the Time of Sale Prospectus, each free writing prospectus and the Prospectus (and any amendments and supplements to the foregoing), as contemplated by the Securities Act and the Exchange Act.

[The Remainder of This Page Intentionally Left Blank; Signature Page Follows]

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If the foregoing is in accordance with your understanding of our agreement, kindly sign and return to the Company the enclosed copies hereof, whereupon this instrument, along with all counterparts hereof, shall become a binding agreement in accordance with its terms.

Very truly yours,

CELLEX THERAPEUTICS, INC.

By: /s/ Anthony S. Marucci
Name: Anthony S. Marucci
Title: President and CEO

[Signature Page to Underwriting Agreement]

The foregoing Underwriting Agreement is hereby confirmed and accepted by the Representatives in New York, New York as of the date first above written.

Acting as Representatives of the several Underwriters named in the attached Schedule A

By: JEFFERIES LLC

By: /s/ Dustin Tyner

Name: Dustin Tyner

Title: Managing Director

By: LEERINK PARTNERS LLC

By: /s/ John I. Fitzgerald, Esq.

Name: John I. Fitzgerald, Esq.

Title: Managing Director

[Signature Page to Underwriting Agreement]

SCHEDULE A

<u>Underwriters</u>	<u>Number of Firm Shares to be Purchased</u>
Jefferies LLC	2,827,500
Leerink Partners LLC	2,537,500
Guggenheim Securities, LLC	725,000
Oppenheimer & Co. Inc.	290,000
Brean Capital, LLC	290,000
Cantor Fitzgerald & Co.	290,000
Roth Capital Partners, LLC	290,000
Total	<u>7,250,000</u>

SCHEDULE B

Free Writing Prospectuses Included in the Time of Sale Prospectus

None.

EXHIBIT A-1

Form of Opinion of Counsel for the Company

- The Company is a validly existing corporation in good standing under the laws of the State of Delaware, with the corporate power to own, lease and operate its properties and to conduct its business as described in each Applicable Prospectus and to enter into and perform its obligations under the Underwriting Agreement.
- The Company is qualified to do business as a foreign corporation and is in good standing in the following States: Connecticut, Massachusetts and New Jersey.
- The authorized capital stock of the Company (including the Shares) conforms to the description thereof set forth or incorporated by reference in the Time of Sale Prospectus and the Prospectus. The form of certificate used to evidence the Common Stock is in proper form and complies with all applicable requirements of the Certificate of Incorporation and By-laws of the Company and the General Corporation Law of the State of Delaware (the "DGCL").
- No stockholder of the Company or any other person has any preemptive right, right of first refusal or other similar right to subscribe for or purchase securities of the Company arising (i) pursuant to the Certificate of Incorporation or By-laws of the Company or the DGCL or (ii) any Existing Instrument filed as an exhibit to the Registration Statement or any report filed by the Company with the Commission and incorporated by reference into the Registration Statement.
- The Underwriting Agreement has been duly authorized, executed and delivered by the Company.
- The Shares are duly authorized and, when issued and delivered by the Company pursuant to the Underwriting Agreement against payment of the consideration set forth therein, will be validly issued, fully paid and nonassessable.

7. To the best of our knowledge, the Company has not received from the Commission any notice pursuant to Rule 401(g)(2) under the Securities Act objecting to the Company's use of the automatic shelf registration form. To our knowledge, based solely upon a review of the Commission's website, at <http://www.sec.gov/litigation/stoporders.shtml>, on the date hereof, no order suspending the effectiveness of the Registration Statement has been issued and no proceeding for that purpose is pending or, to our knowledge, threatened by the Commission. The Prospectus was filed with the Commission pursuant to Rule 424(b) under the Securities Act in the manner and within the time period required by such Rule 424(b).
8. The statements in the Company's Annual Report on Form 10-K for the year ended December 31, 2014 under the heading "Government Regulation," in the Registration Statement and the Base Prospectus under the headings "Description of Common Stock," in the Prospectus Supplement under the heading "Underwriting" and in the

Registration Statement in Item 15, insofar as such statements purport to describe certain provisions of agreements and matters of law or legal conclusions, fairly summarize the matters described therein in all material respects.

9. To our knowledge, there are no legal or governmental actions, suits or proceedings pending or overtly threatened in against the Company which are required to be disclosed in the Registration Statement, other than those disclosed therein.
10. To our knowledge, there are no Existing Instruments required to be described or referred to in the Registration Statement or any report filed by the Company with the Commission and incorporated by reference into the Registration Statement or to be filed as exhibits thereto other than those described or referred to therein filed or incorporated by reference as exhibits thereto.
11. There are no persons with registration or other similar rights to have any debt or equity securities registered for sale under the Registration Statement or included in the offering contemplated by the Underwriting Agreement pursuant to any Existing Instrument filed as an exhibit to the Registration Statement or any report filed by the Company with the Commission and incorporated by reference into the Registration Statement.
12. The execution and delivery of the Underwriting Agreement by the Company, the performance by the Company of its obligations thereunder (other than performance by the Company of its obligations under the indemnification and contribution sections of the Underwriting Agreement, as to which no opinion is rendered) and the issuance and sale of the Shares (i) have been duly authorized by all necessary corporate action on the part of the Company; (ii) do not violate the provisions of the Company's Certificate of Incorporation or By-laws; (iii) do not constitute a breach of, or Default or a Debt Repayment Triggering Event under, or result in the creation or imposition of any lien, charge or encumbrance upon any property or assets of the Company pursuant to, any Existing Instrument filed as an exhibit to the Registration Statement or any report filed by the Company with the Commission and incorporated by reference into the Registration Statement; (iv) do not violate applicable federal securities laws or the provisions of the DGCL; (v) do not require any consents, approvals or authorizations to be obtained by the Company, or any registrations, declarations or filings to be made by the Company, in each case, under applicable federal securities laws or the provisions of the DGCL that have not been obtained or made; or (vi) do not violate any final, docketed order of any court known to us in any proceeding in which the Company is a named party except, in the case of each of clauses (iii), (iv) and (vi) only, for those breaches and violations which would not reasonably be expected to result in a Material Adverse Change and, in the case of clause (v) only, those which the failure to obtain or make, would not reasonably be expected to result in a Material Adverse Change.
13. No further consent, approval, authorization or other order of, or registration or filing with, any Federal, New York or Delaware court or other governmental or regulatory authority or agency that, in our experience is normally applicable to transactions of

the type contemplated by the Underwriting Agreement, is required for the consummation of the transactions contemplated by the Underwriting Agreement, except for such consents, approvals, authorizations, orders and registrations or filings as may be required under applicable state securities laws and from FINRA in connection with the purchase and distribution of the Shares by the Underwriters or applicable state securities or blue sky laws, as to which we express no opinion.

14. The Company is not required and, after giving effect to the application of the proceeds received by the Company from the offering and sale of the Shares as described in the Registration Statement and the Prospectus, will not be required to register as an "investment company" within the meaning of the Investment Company Act.

EXHIBIT A-2

Form of Negative Assurance Letter of Counsel for the Company

Subject in all respects to the preceding paragraph and to the following paragraph, we advise you that no facts have come to our attention in the course of our performance of the services referred to above that caused us to believe that (i) the Registration Statement, the Time of Sale Prospectus and the Prospectus do not appear on their face to comply as to form in all material respects with the requirements of the Securities Act, (ii) the Registration Statement, at the time it became effective, contained an untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein not misleading, (ii) the Time of Sale Prospectus, as of the Applicable Time, included an untrue statement of a material fact or omitted to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading or (iii) the Prospectus, as of its date, or as of the date hereof, included or includes an untrue statement of a material fact or omitted or omits to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; *provided, however*, that we do not express any view or belief with respect to the financial statements and the related notes thereto or financial schedules or other financial or accounting data, or statistical data derived therefrom, included in, incorporated by reference in, or omitted from, the Registration Statement, the Time of Sale Prospectus or the Prospectus.

EXHIBIT B

Form of Opinion of Intellectual Property Counsel for the Company

1. To my knowledge when taken together with relevant SEC filings and in particular the Company's Form 10-K and the Company's Form 10-Qs, the statements included in the Registration Statement, the Preliminary Prospectus and the Prospectus relating to patents or proprietary rights (collectively, the "Intellectual Property Statements"), insofar as such Intellectual Property Statements constitute summaries of documents or legal proceedings, are accurate and complete in all material respects and present fairly the information purported to be shown; nothing has come to my attention that causes me to believe that (i) the Intellectual Property Statements in the Registration Statement, at the Applicable Time, contained an untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein not misleading, (ii) the Intellectual Property Statements in the Time of Sale Prospectus, as of the Applicable Time, included an untrue statement of a material fact or omitted to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading or (iii) the Intellectual Property Statements in the Prospectus, as of the date of the Final Prospectus Supplement or the date hereof, included or include an untrue statement of a material fact or omitted or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading.
2. To my knowledge and except as stated in the Registration Statement, the Preliminary Prospectus and the Prospectus or the Company's Form 10-K and the Company's Form 10-Qs, or as would not result in a Material Adverse Change, (i) there are no legal or governmental proceedings pending relating to any issued or pending registered patents, patent applications or trademarks referred to in the Registration Statement, the Preliminary Prospectus or the Prospectus as owned or licensed by the Company, other than governmental or patent office review of pending applications or appeals, and (ii) no such proceedings have been threatened by governmental authorities or others except in one case which was determined to be without merit.
3. To my knowledge and except as stated in the Company's Form 10-K or the Company's Form 10-Qs or as would not result in a Material Adverse Change, (i) the Company is not infringing or otherwise violating, and, upon the commercialization and sale of the products or services in clinical development and described in the Registration Statement, the Preliminary Prospectus or the Prospectus as under development, the Company would not infringe or otherwise violate, any patents or trademarks of others, and (ii) there are no infringements by others of any of the patents or trademarks of the Company.
4. To my knowledge, (i) the Company has clear title or valid license rights to the patents described in the Registration Statement, the Preliminary Prospectus or the Prospectus as owned or licensed by the Company and (ii) to my knowledge the Company does not lack any rights or licenses to use patents or trademarks described in the Registration Statement, the Preliminary Prospectus or the Prospectus as being necessary to conduct the business now currently conducted by the Company as described in the Registration Statement, the

Preliminary Prospectus or the Prospectus, except as disclosed in the Registration Statement, the Preliminary Prospectus, the Prospectus or the Company's Form 10-K or the Company's Form 10-Qs.

5. To my knowledge, except as stated in the Company's Form 10-K or the Company's Form 10-Qs, or as would not result in a Material Adverse Change, the patent applications of the Company, if issued (if necessary with amended claims), would not be invalid or unenforceable.

EXHIBIT C

, 2015

Jefferies LLC
Leerink Partners LLC

As Representatives of the several other Underwriters
named in Schedule A to the Underwriting
Agreement referred to below

c/o Jefferies LLC
520 Madison Avenue
New York, New York 10022

c/o Leerink Partners LLC
299 Park Avenue, 21st Floor
New York, NY 10171

Re: Celldex Therapeutics, Inc. (the "**Company**")

Ladies & Gentlemen:

The undersigned is an owner of record or beneficially of certain shares of common stock, par value \$0.001 per share, of the Company ("**Common Stock**") or securities convertible into or exchangeable or exercisable for Common Stock. The Company proposes to carry out a public offering of Common Stock (the "**Offering**") for which you will act as the underwriters. The undersigned recognizes that the Offering will be of benefit to the undersigned and will benefit the Company by, among other things, raising additional capital for its operations. The undersigned acknowledges that the underwriters are relying on the

representations and agreements of the undersigned contained in this letter agreement in carrying out the Offering and in entering into underwriting arrangements with the Company with respect to the Offering.

In consideration of the foregoing, the undersigned hereby agrees that the undersigned will not (and will cause any spouse or immediate family member of the spouse or the undersigned living in the undersigned's household not to), without the prior written consent of Jefferies LLC and Leerink Partners LLC (which consent may be withheld in their sole discretion), directly or indirectly, sell, offer, contract or grant any option to sell (including, without limitation, any short sale), pledge, transfer, establish an open "put equivalent position" within the meaning of Rule 16a-1(h) under the Securities Exchange Act of 1934, as amended, or otherwise dispose of any Common Stock, options or warrants to acquire Common Stock, or securities exchangeable or exercisable for or convertible into Common Stock currently or hereafter owned either of record or beneficially (as defined in Rule 13d-3 under the Securities Exchange Act of 1934, as amended) by the undersigned (or such spouse or family member), or publicly announce an intention to do any of the foregoing, for a period commencing on the date hereof and continuing through the close of trading on the date 90 days after the date of the Prospectus (as defined in the Underwriting Agreement relating to the Offering to which the Company is a party) (the "**Lock-up Period**"); *provided*, that the foregoing will not apply to the registration of the offer and sale of the Common Stock, and the sale of the Common Stock to the underwriters, in each case as contemplated by the Underwriting Agreement; *provided*, that if (i) during the last 17 days of the Lock-up Period, the Company issues an earnings release or material news or a material event relating to the Company occurs

or (ii) prior to the expiration of the Lock-up Period, the Company announces that it will release earnings results during the 16-day period beginning on the last day of the Lock-up Period, then in each case the Lock-up Period will be extended until the expiration of the 18-day period beginning on the date of the issuance of the earnings release or the occurrence of the material news or material event, as applicable, unless Jefferies LLC and Leerink Partners LLC waive, in writing, such extension, except that such extension will not apply during any period subsequent to the delivery by the Company of a certificate, signed by the Chief Financial Officer or Chief Executive Officer of the Company, certifying on behalf of the Company that (i) the Common Stock is an "actively traded security" (as defined in Regulation M), (ii) the Company meets the applicable requirements of Rule 139 under the Securities Act in the manner contemplated by FINRA Rule 2711(f)(4), and (iii) the provisions of FINRA Rule 2711(f)(4) are not applicable to any research reports relating to the Company published or distributed by any of the Underwriters during the 15 days before or after the last day of the Lock-up Period (before giving effect to such extension); *provided, further*, that the foregoing restrictions shall not apply to (i) the transfer of any or all of the Common Stock owned by the undersigned, either during the undersigned's lifetime or on death, by gift, will or intestate succession to the immediate family of the undersigned or to a trust the beneficiaries of which are exclusively the undersigned and/or a member or members of his immediate family; *provided, however*, that in any such case, it shall be a condition to such transfer that the transferee executes and delivers to Jefferies LLC and Leerink Partners LLC an agreement stating that the transferee is receiving and holding the Common Stock subject to the provisions of this letter agreement, and there shall be no further transfer of such Common Stock, except in accordance with this letter agreement and (ii) the establishment of a trading plan pursuant to Rule 10b5-1 under the Exchange Act for the transfer of shares of Common Stock, provided that such plan does not provide for the transfer of shares of Common Stock during the Lock-up Period and no public announcement or filing under the Exchange Act regarding the establishment of such plan shall be required of or voluntarily made by or on behalf of the undersigned or the Company during the Lock-up Period.

The undersigned also agrees and consents to the entry of stop transfer instructions with the Company's transfer agent and registrar against the transfer of Common Stock or securities convertible into or exchangeable or exercisable for Common Stock held by the undersigned except in compliance with the foregoing restrictions.

With respect to the Offering only, the undersigned waives any registration rights relating to registration under the Securities Act of 1933, as amended, of any Common Stock owned either of record or beneficially by the undersigned, including any rights to receive notice of the Offering.

This agreement is irrevocable and will be binding on the undersigned and the respective successors, heirs, personal representatives, and assigns of the undersigned.

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)

EXHIBIT D

List of all Directors and Executive Officers of the Company

Avery W. Catlin
Herbert J. Conrad
Thomas Davis, M.D.
Larry Ellberger
George O. Elston

Tibor Keler, Ph.D.
Karen L. Shoos
Anthony S. Marucci
Harry H. Penner, Jr.
Ronald A. Pepin, Ph.D.
Richard van den Broek

February 25, 2015

Celldex Therapeutics, Inc.
Perryville III Building
53 Frontage Road, Suite 220
Hampton, NJ 08827

Re: **Sale of Common Stock registered pursuant to Registration Statement on Form S-3**

Ladies and Gentlemen:

We have acted as counsel to Celldex Therapeutics, Inc., a Delaware corporation (the “**Company**”), in connection with (i) the preparation and filing of the Registration Statement on Form S-3 filed on December 3, 2013 (File No. 333-192640) (as amended or supplemented, the “**Registration Statement**”) with the Securities and Exchange Commission (the “**Commission**”) pursuant to the Securities Act of 1933, as amended (the “**Securities Act**”) and the related prospectus included therein (the “**Base Prospectus**”) and (ii) the preparation and filing of the Prospectus Supplement filed with the Commission pursuant to Rule 424(b) under the Securities Act, dated February 25, 2015 (the “**Prospectus Supplement**”), relating to the issuance and sale of shares pursuant to the Registration Statement.

The Prospectus Supplement relates to (a) the issuance and sale by the Company of up to 7,250,000 shares (the “**Firm Shares**”) of the Company’s common stock, par value \$0.001 per share (the “**Common Stock**”) and (b) the option of certain underwriters (the “**Underwriters**”) to purchase up to an additional 1,087,500 shares of Common Stock from the Company (the “**Optional Shares**”).

We understand that the Firm Shares and, if applicable, the Optional Shares are to be issued by the Company and sold by the Underwriters, as described in the Registration Statement, Base Prospectus and Prospectus Supplement, pursuant to an Underwriting Agreement, between the Company and Jefferies LLC and Leerink Partners LLC, serving as representatives for the Underwriters, dated February 25, 2015 filed with the Commission as Exhibit 1.1 to the Current Report on Form 8-K to which this opinion is attached as Exhibit 5.1 (the “**Underwriting Agreement**”).

We have reviewed such corporate records and documents and made such examination of law as we have deemed appropriate to give the opinion expressed below. We have relied, without independent verification, on certificates of public

officials and, as to matters of fact material to the opinion set forth below, on the representations and warranties set forth in the Underwriting Agreement, and certificates of officers of the Company. In making our examination, we have assumed that all signatures on documents examined by us are genuine, the authenticity of all documents submitted to us as originals and the conformity with the original documents of all documents submitted to us as certified, conformed or photostatic copies.

We have also assumed the legal capacity for all purposes relevant hereto of all natural persons and, with respect to all parties to agreements or instruments relevant hereto other than the Company, that such parties had the requisite power and authority (corporate or otherwise) to execute, deliver and perform such agreements or instruments, that such agreements or instruments have been duly authorized by all requisite action (corporate or otherwise), executed and delivered by such parties and that such agreements or instruments are the valid, binding and enforceable obligations of such parties.

The opinion expressed below is limited to the federal laws of the United States and the Delaware General Corporation Law. We express no opinion as to the effect of the law of any other jurisdiction. Our opinion is rendered as of the date hereof, and we assume no obligation to advise you of changes in law or fact (or the effect thereof on the opinions expressed herein) that hereafter may come to our attention.

Based on the foregoing, we are of the opinion that the Firm Shares and the Optional Shares described above have been duly authorized, and upon issuance and delivery of the Firm Shares and the Optional Shares upon consummation of the transactions set forth in the Underwriting Agreement, as described in the Registration Statement, the Base Prospectus, and the Prospectus Supplement, will be validly issued, fully paid and non-assessable.

We hereby consent to the inclusion of this letter as Exhibit 5.1 to the Registration Statement and to the references to our firm under the caption “Legal Matters” in the Registration Statement, the Base Prospectus and the Prospectus Supplement. In giving our consent, we do not admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations thereunder.

Very truly yours,

/s/ Lowenstein Sandler LLP

Lowenstein Sandler LLP



Celldex Therapeutics Prices Public Offering of Common Stock

HAMPTON, NJ (February 25, 2015): Celldex Therapeutics, Inc. (NASDAQ: CLDX) today announced the pricing of an underwritten public offering of 7,250,000 shares of its common stock, offered at a price to the public of \$24.00 per share for an aggregate offering of \$174.0 million of common stock. The net proceeds to Celldex from this offering are expected to be approximately \$164.2 million after deducting underwriting discounts and commissions and other estimated offering expenses payable by Celldex. The underwriters have been granted a 30-day option to purchase up to an aggregate of 1,087,500 additional shares of common stock. The offering is expected to close on or about March 3, 2015, subject to customary closing conditions.

Jefferies LLC and Leerink Partners LLC are acting as the joint book-running managers and underwriters for the proposed offering and Guggenheim Securities, LLC is acting as a lead manager in the offering. Oppenheimer & Co. Inc., Brean Capital, LLC, Cantor Fitzgerald & Co. and Roth Capital Partners, LLC are acting as co-managers of the offering.

Celldex anticipates using the net proceeds from the offering to fund clinical trials of its product candidates, expansion of its pipeline, expansion of the commercial team and for working capital and other general corporate purposes.

A shelf registration statement relating to the shares was filed with the SEC and is effective. A preliminary prospectus supplement related to the offering has also been filed. A final prospectus supplement related to the offering will be filed with the SEC and will be available on the SEC's website located at <http://www.sec.gov>. Copies of the preliminary and final prospectus supplement and the accompanying prospectus relating to this offering may be obtained from Jefferies LLC, Attention: Equity Syndicate Prospectus Department, 520 Madison Avenue, 2nd Floor, New York, NY, 10022, by telephone at 877-547-6340 or by email at Prospectus_Department@Jefferies.com or from Leerink Partners LLC, Attention: Syndicate Department, One Federal Street, 37th Floor, Boston, MA 02110, by telephone at 800-808-7525 ext. 6142 or by email at Syndicate@Leerink.com.

This press release shall not constitute an offer to sell or the solicitation of an offer to buy these securities, nor shall there be any sale of these securities in any state or other jurisdiction in which such offer, solicitation or sale would be unlawful prior to the registration or qualification under the securities laws of any such state or other jurisdiction.

About Celldex Therapeutics, Inc.

Celldex is developing targeted therapeutics to address devastating diseases for which available treatments are inadequate. Our pipeline is built from a proprietary portfolio of antibodies and immunomodulators used alone and in strategic combinations to create novel, disease-specific therapies that induce, enhance or suppress the body's immune response.

Safe Harbor Statement Under the Private Securities Litigation Reform Act of 1995: This announcement contains "forward-looking statements," including statements relating to Celldex's expectations regarding the completion and timing of the closing of the public offering and its anticipated use of net proceeds from the offering. These statements are subject to significant risks and uncertainties; actual results could differ materially from those projected and Celldex cautions investors not to place undue reliance on the forward-looking

statements contained in this release. These risks and uncertainties include, without limitation, risks and uncertainties related to market and other conditions and the satisfaction of customary closing conditions related to the public offering. There can be no assurance that Celldex will be able to complete the public offering on the anticipated terms, or at all. Risks and uncertainties relating to Celldex and its business can be found in the "Risk Factors" section of Celldex's Form 10-K, filed with the SEC on February 24, 2015, and in the preliminary prospectus supplement and related prospectus related to the proposed offering to be filed with the SEC. Celldex undertakes no duty or obligation to update any forward-looking statements contained in this release as a result of new information, future events or changes in Celldex's expectations.

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