

CYTOKINETICS INC
Form DEF 14A
March 30, 2015

SCHEDULE 14A INFORMATION

**Proxy Statement Pursuant to Section 14(a) of the
Securities Exchange Act of 1934**

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

Preliminary Proxy Statement

Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))

Definitive Proxy Statement

Definitive Additional Materials

Soliciting Material Pursuant to § 240.14a-12

Cytokinetics, Incorporated

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement if Other Than the Registrant)

Payment of Filing Fee (Check the appropriate box)

No fee required.

Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.

1. Title of each class of securities to which transaction applies:

2. Aggregate number of securities to which transaction applies:

3. Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (Set forth the amount on which the filing fee is calculated and state how it was determined):

4. Proposed maximum aggregate value of transaction:

5. Total fee paid:

.. Fee paid previously with preliminary materials.

.. Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

1) Amount Previously Paid:

2) Form, Schedule or Registration Statement No.:

3) Filing Party:

4) Date Filed:

Cytokinetics, Incorporated

NOTICE OF ANNUAL MEETING OF STOCKHOLDERS

May 20, 2015

To the Stockholders:

NOTICE IS HEREBY GIVEN that the Annual Meeting of Stockholders of Cytokinetics, Incorporated (the Company), a Delaware corporation, will be held on Wednesday, May 20, 2015, at 10:30 a.m. local time, at the Embassy Suites Hotel, 250 Gateway Boulevard, South San Francisco, CA 94080, for the following purposes:

1. To elect Robert I. Blum and Sandford D. Smith as Class II Directors, each to serve for a three-year term and until their successors are duly elected and qualified (Proposal One);
2. To ratify the selection by the Audit Committee of the Board of Directors of PricewaterhouseCoopers LLP as the independent registered public accounting firm to the Company for the fiscal year ending December 31, 2015 (Proposal Two);
3. To approve the Company's Amended and Restated 2004 Equity Incentive Plan (the A&R 2004 EIP) and to increase the number of authorized shares reserved for issuance under the A&R 2004 EIP by 3,130,000 shares. The A&R 2004 EIP provides, among other terms, for the following:

A new fungible ratio, under which the available share reserve will be reduced by one share for each share of common stock subject to a stock option or stock appreciation right and by 1.17 shares (instead of 2.0) for each share or unit of a full value award (such as restricted stock or restricted stock units)

New individual share limits on awards intended to qualify as performance-based awards under Section 162(m) of the Internal Revenue Code, as amended (the Code). (Proposal Three);

4. To approve the Company's 2015 Employee Stock Purchase Plan (the 2015 ESPP) and to authorize 500,000 shares of stock to be reserved for issuance under the 2015 ESPP (Proposal Four); and
5. To transact such other business as may properly be brought before the meeting and any adjournment(s) thereof.

The foregoing items of business are more fully described in the Proxy Statement accompanying this Notice.

Only stockholders of record at the close of business on March 27, 2015 are entitled to notice of and to vote at the meeting.

Sincerely,

Sharon A. Barbari
Corporate Secretary

South San Francisco, California

March 30, 2015

YOUR VOTE IS IMPORTANT

THIS PROXY STATEMENT IS FURNISHED IN CONNECTION WITH THE SOLICITATION OF PROXIES BY THE COMPANY, ON BEHALF OF THE BOARD OF DIRECTORS, FOR THE 2015 ANNUAL MEETING OF STOCKHOLDERS. THE PROXY STATEMENT AND THE RELATED PROXY FORM ARE BEING DISTRIBUTED ON OR ABOUT APRIL 7, 2015. IF YOU ARE A STOCKHOLDER OF RECORD YOU CAN VOTE YOUR SHARES USING ONE OF THE FOLLOWING METHODS:

COMPLETE AND RETURN A WRITTEN PROXY CARD

BY INTERNET OR TELEPHONE

ATTEND THE COMPANY'S 2015 ANNUAL MEETING OF STOCKHOLDERS AND VOTE
ALL STOCKHOLDERS ARE CORDIALLY INVITED TO ATTEND THE MEETING. HOWEVER, TO ENSURE YOUR REPRESENTATION AT THE MEETING, YOU ARE URGED TO MARK, SIGN, DATE AND RETURN THE ENCLOSED PROXY CARD AS PROMPTLY AS POSSIBLE IN THE POSTAGE-PREPAID ENVELOPE ENCLOSED FOR THAT PURPOSE OR VOTE YOUR SHARES BY INTERNET OR TELEPHONE. ANY STOCKHOLDER ATTENDING THE MEETING MAY VOTE IN PERSON EVEN IF HE OR SHE HAS RETURNED A PROXY CARD OR VOTED BY INTERNET OR TELEPHONE. PLEASE NOTE, HOWEVER, THAT IF YOUR SHARES ARE HELD OF RECORD BY A BROKER, BANK OR OTHER NOMINEE AND YOU WISH TO VOTE AT THE MEETING, YOU MUST OBTAIN A PROXY ISSUED IN YOUR NAME FROM THAT RECORD HOLDER.

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting of

Stockholders to be Held on May 20, 2015

This Proxy Statement, Notice of Annual Meeting and Form of Proxy Card and the 2014 Annual Report to Stockholders are available at www.cytokinetics.com/proxy. You may obtain directions to the Annual Meeting of Stockholders by directing a request to:

Investor Relations

Cytokinetics, Incorporated

280 East Grand Avenue

South San Francisco, California 94080

email: investor@cytokinetics.com

Telephone: 650-624-3060

CYTOKINETICS, INCORPORATED

280 East Grand Avenue

South San Francisco, California 94080

PROXY STATEMENT

FOR THE ANNUAL MEETING OF STOCKHOLDERS

May 20, 2015

INFORMATION CONCERNING SOLICITATION AND VOTING

General

The Board of Directors of Cytokinetics, Incorporated (the **Company**, **we**, **us**, **our**) is soliciting proxies for use at the Annual Meeting of Stockholders (the **Annual Meeting**) to be held at the Embassy Suites Hotel, 250 Gateway Boulevard, South San Francisco, CA 94080, on Wednesday, May 20, 2015, at 10:30 a.m. local time, and at any adjournment(s) thereof, for the purposes set forth herein and in the accompanying Notice of Annual Meeting of Stockholders. Our principal executive offices are located at the address listed at the top of the page and the telephone number is (650) 624-3000.

Our Annual Report and our Annual Report on Form 10-K, containing financial statements for the fiscal year ended December 31, 2014, are being provided together with these proxy solicitation materials to all stockholders entitled to vote. This proxy statement, the accompanying proxy card, our Annual Report and our Annual Report on Form 10-K will first be mailed on or about April 7, 2015 to all stockholders entitled to vote at the meeting.

WE WILL PROVIDE WITHOUT CHARGE TO ANY STOCKHOLDER SOLICITED BY THESE PROXY SOLICITATION MATERIALS A COPY OF OUR ANNUAL REPORT ON FORM 10-K, TOGETHER WITH THE FINANCIAL STATEMENTS REQUIRED TO BE FILED WITH THE ANNUAL REPORT ON FORM 10-K, UPON REQUEST OF THE STOCKHOLDER MADE IN WRITING TO CYTOKINETICS, INCORPORATED, 280 EAST GRAND AVENUE, SOUTH SAN FRANCISCO, CALIFORNIA, 94080, ATTN: INVESTOR RELATIONS, ANNUAL STOCKHOLDER MEETING.

Record Date and Share Ownership

Common stockholders of record at the close of business on March 27, 2015 (the **Record Date**) are entitled to notice of and to vote at the Annual Meeting and at any adjournment(s) thereof. We have one class of common shares issued and outstanding, designated as Common Stock, \$0.001 par value per share (the **Common Stock**). As of the Record Date, 81,500,000 shares of Common Stock were authorized and 38,708,532 shares were issued and outstanding. As of the Record Date, 10,000,000 shares of Preferred Stock were authorized and none were outstanding.

Revocability of Proxies

Any proxy given pursuant to this solicitation may be revoked by the person giving it at any time before its use by: (i) issuing a later proxy, (ii) delivering to us at our principal offices (Attention: Corporate Secretary) a written notice of revocation, or (iii) attending the Annual Meeting and voting in person.

Voting

On all matters, each common share has one vote.

Cost of Proxy Solicitation

We will bear the entire cost of solicitation of proxies, including preparation, assembly, printing and mailing of this proxy statement, the proxy card and any additional information furnished to stockholders. In addition to these proxy materials, our directors, officers and employees may solicit proxies in person, by telephone or by other means of communication. Directors, officers and employees will not be paid any additional compensation for soliciting. We will also reimburse brokerage firms, banks and other agents for the cost of forwarding proxy materials to beneficial owners.

Voting in Person or by Proxy Card

If you are a stockholder of record, you may vote in person at the Annual Meeting or vote by proxy using the proxy card. Whether or not you plan to attend the Annual Meeting, we urge you to vote by proxy to ensure your vote is counted. You may still attend the Annual Meeting and vote in person if you have already voted by proxy. To vote in person, come to the Annual Meeting and we will give you a ballot when you arrive. To vote using the proxy card, simply complete, sign and date the proxy card (which is enclosed if you received this proxy statement by mail or that you may request or that we may elect to deliver at a later time), and return it promptly in the envelope provided. If you return your signed proxy card to us before the Annual Meeting, we will vote your shares as you direct.

Voting via the Internet or by Telephone

Stockholders may also vote their shares by proxy by means of the telephone or on the Internet. The laws of the State of Delaware, under which we are incorporated, specifically permit electronically transmitted proxies, provided that each such proxy contains or is submitted with information from which the Inspector of Elections can determine that such proxy was authorized by the stockholder.

The telephone and Internet voting procedures below are designed to authenticate stockholders' identities, to allow stockholders to grant a proxy to vote their shares and to confirm that stockholders' instructions have been recorded properly. Stockholders granting a proxy to vote via the Internet should understand that there may be costs associated with electronic access, such as usage charges from Internet access providers and telephone companies, which must be borne by the stockholder.

For Shares Registered in Your Name

Stockholders of record as of the close of business on the Record Date may go to www.investorvote.com/cytk to grant a proxy to vote their shares by means of the Internet. They will be required to provide our number and control number contained on their proxy cards. The voter will then be asked to complete an electronic proxy card. The votes represented by such proxy will be generated on the computer screen and the voter will be prompted to submit or revise them as desired. Any stockholder using a touch-tone telephone may also grant a proxy to vote shares by calling 1-800-652-8683 and following the recorded instructions.

For Shares Registered in the Name of a Broker or Bank

Most beneficial owners whose stock is held in street name receive instructions for granting proxies from their banks, brokers or other agents, rather than our proxy card.

A number of brokers and banks are participating in a program provided through Broadridge Financial Solutions that offers the means to grant proxies to vote shares via telephone and the Internet. If your shares are held in an account with a broker or bank participating in the Broadridge Financial Solutions program, you may grant a proxy to vote those shares telephonically by calling the telephone number shown on the instruction form received from your broker or bank, or via the Internet at Broadridge Financial Solutions' web site at www.proxyvote.com.

General Information for All Shares Voted via the Internet or by Telephone

Votes submitted via the Internet or by telephone must be received by 11:59 p.m., Eastern Time on May 19, 2015. Submitting your proxy via the Internet or by telephone will not affect your right to vote in person should you decide to attend the Annual Meeting.

Quorum; Abstentions; Broker Non-Votes

Votes cast by proxy or in person at the Annual Meeting (Votes Cast) will be tabulated by the Inspector of Elections (the Inspector) who is expected to be a representative from Computershare Shareowner Services, our transfer agent and registrar. The Inspector will also determine whether or not a quorum is present. Except in certain specific circumstances, the affirmative vote of a majority of shares present in person or represented by proxy at a duly held meeting at which a quorum is present is required under Delaware law for approval of proposals presented to stockholders. In general, Delaware law provides that a quorum will be present if stockholders holding at least a majority of shares entitled to vote are present in person or represented by proxy at the meeting.

The Inspector will treat shares that are voted WITHHELD or ABSTAIN as being present and entitled to vote for purposes of determining the presence of a quorum. However, such shares will not be treated as votes in favor of approving any matter submitted to the stockholders for a vote. When proxies are properly dated, executed and returned, or if instructions are properly carried out for Internet or telephone voting, the shares represented by such proxies will be voted at the Annual Meeting in accordance with the stockholder's instructions. If no specific instructions are given, the shares will be voted (i) for the election of the nominees for directors set forth herein; (ii) for the ratification of PricewaterhouseCoopers LLP; (iii) for approval of the A&R 2004 EIP; (iv) for approval of the 2015 ESPP; and (v) upon such other business as may properly come before the Annual Meeting or any adjournment thereof at the discretion of the proxy holder, but will not be voted in the election of directors other than as provided in (i) above.

If a broker indicates on the enclosed proxy or its substitute that such broker does not have discretionary authority as to certain shares to vote on a particular matter (broker non-votes), then those shares will be considered as present with respect to establishing a quorum for the transaction of business. Discretionary items are proposals considered routine under the rules of the New York Stock Exchange (NYSE) on which your broker may vote shares held in street name in the absence of your voting instructions. Non-discretionary items are matters that may substantially affect the rights or privileges of stockholders, such as mergers, stockholder proposals, elections of directors (even if not contested) and executive compensation, including the advisory stockholder votes on executive compensation and on the frequency of stockholder votes on executive compensation. On non-discretionary items for which you do not give your broker instructions, the shares will be treated as broker non-votes. Accordingly, your broker or nominee may not vote your shares on Proposals One, Three and Four without your instructions, but may vote your shares on Proposal Two. We believe that the tabulation procedures to be followed by the Inspector are consistent with the general statutory requirements in Delaware concerning voting of shares and determination of a quorum.

Broker non-votes with respect to proposals set forth in this proxy statement will not be considered Votes Cast and, accordingly, will not affect the determination as to whether the requisite number of Votes Cast has been obtained with respect to a particular matter. Abstentions and broker non-votes will be counted towards the quorum requirement. If there is no quorum, a majority of the votes present at the meeting may adjourn the meeting to another date.

Deadline for Receipt of Stockholder Proposals

Stockholders are entitled to present proposals for action at a forthcoming meeting if they comply with the requirements of our bylaws and the rules established by the Securities and Exchange Commission (the SEC) under the Securities Exchange Act of 1934, as amended (the Exchange Act). Under these requirements,

proposals of our stockholders that are intended to be presented by such stockholders at our 2016 Annual Meeting of Stockholders must be received by us no later than December 9, 2015. Proposals submitted by this date will also be considered for inclusion in next year's proxy materials. A copy of the relevant bylaws provisions relating to stockholder proposals is available upon written request to Cytokinetics, Incorporated, 280 East Grand Avenue, South San Francisco, California 94080, Attention: Corporate Secretary.

Results of the Voting at the Annual Meeting

Preliminary voting results will be announced at the Annual Meeting. Final voting results will be published in a current report on Form 8-K that we expect to file within four business days after the Annual Meeting. If final voting results are not available to us in time to file a current report on Form 8-K within four business days after the Annual Meeting, we intend to file a current report on Form 8-K to publish preliminary results and, within four business days after the final results are known to us, file an additional current report on Form 8-K to publish the final results.

PROPOSAL ONE

ELECTION OF TWO CLASS II DIRECTORS

Nominees

Our Board of Directors currently has eight members. We have a classified Board of Directors, which is divided into three classes of directors whose terms expire at different times. The three classes are currently comprised of the following directors:

Class I consists of L. Patrick Gage and Wendell Wierenga, who will serve until the 2017 Annual Meeting of Stockholders and until their successors have been duly elected and qualified;

Class II consists of Robert I. Blum, Denise M. Gilbert and Sandford D. Smith, who will serve until the 2015 Annual Meeting of Stockholders. Robert I. Blum and Sandford D. Smith will stand for re-election as Class II directors at this Annual Meeting; and

Class III consists of Santo J. Costa, John T. Henderson and B. Lynne Parshall, who will serve until the 2016 Annual Meeting of Stockholders and until their successors have been duly elected and qualified.

At each Annual Meeting of Stockholders, the successors to directors whose terms will then expire will be elected to serve from the time of election and qualification until the third Annual Meeting of Stockholders following election and until their successors have been duly elected and qualified. Any additional directorships resulting from an increase in the number of directors will be distributed among the three classes so that, as nearly as possible, each class will consist of an equal number of directors.

Unless otherwise instructed, the proxy holders will vote the proxies received by them for our two nominees named below, who are currently directors of the Company. The nominees have consented to be named as nominees in the proxy statement and to continue to serve as directors if elected. If any nominee becomes unable or declines to serve as a director or if additional persons are nominated at the meeting, the proxy holders intend to vote all proxies received by them in such a manner as will assure the election of the nominees listed below if possible (or, if new nominees have been designated by the Board of Directors, in such a manner as to elect such nominees), and the specific nominees to be voted for will be determined by the proxy holders.

The nominees for the Class II directors are as follows:

Robert I. Blum

Sandford D. Smith

Biographical information for each Class II director can be found below in the Board of Directors section. We are not aware of any reason that any nominee will be unable or will decline to serve as a director. The term of office of each person elected as a Class II director will continue until our 2018 Annual Meeting of Stockholders and until a successor has been elected and qualified. There are no arrangements or understandings between any director or executive officer and any other person pursuant to which he is or was to be selected as a director or officer of the Company.

Vote Required

Directors will be elected by a plurality vote of the shares of Common Stock present or represented and entitled to vote on this matter at the Annual Meeting. Accordingly, the candidates receiving the highest number of affirmative votes of shares represented and voting on this proposal at the Annual Meeting will be elected directors of the Company. Votes withheld from a nominee and broker non-votes will be counted for purposes of determining the presence or absence of a quorum but, because directors are elected by a plurality vote, will have no impact once a quorum is present. See Quorum; Abstentions; Broker Non-Votes.

**THE CLASS I AND III DIRECTORS RECOMMEND THAT
STOCKHOLDERS VOTE *FOR* THE CLASS II NOMINEES LISTED ABOVE.**

PROPOSAL TWO**RATIFICATION OF SELECTION OF PRICEWATERHOUSECOOPERS LLP****AS INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM TO THE COMPANY FOR****THE FISCAL YEAR ENDING DECEMBER 31, 2015**

The Audit Committee of the Board of Directors has selected PricewaterhouseCoopers LLP, an independent registered public accounting firm, to audit our financial statements for the fiscal year ending December 31, 2015, and recommends that the stockholders vote for ratification of such selection. Although action by stockholders is not required by law, the Board of Directors has determined that it is desirable to request ratification of this selection by the stockholders. Notwithstanding the selection or ratification, the Audit Committee, in its discretion, may direct the selection of a new independent registered public accounting firm at any time during the year, if the Audit Committee determines that such a change would be in our best interest.

Representatives of PricewaterhouseCoopers LLP are expected to be present at the meeting and will be afforded the opportunity to make a statement if they desire to do so, and are expected to be available to respond to appropriate questions.

Principal Accountant Fees and Services

Fees incurred for professional services provided by our independent registered public accounting firm for each of the last two fiscal years were:

| | Years Ended December 31, | |
|--------------------|-----------------------------|---------------|
| | 2014 | 2013 |
| Audit Fees | \$ 738,999 | \$ 689,950(1) |
| Audit-Related Fees | 125,300 | 29,000 |
| Tax Fees | | |
| Other Fees | 1,800 | 1,800 |
| | \$ 866,099 | \$ 720,750 |

(1) Includes additional fees of \$45,000 for the 2013 annual audit billed in May 2014 which was after the proxy statement for our 2014 Annual Meeting of Stockholders was filed.

PricewaterhouseCoopers LLP served as our independent registered public accounting firm for the years ended December 31, 2014, 2013 and 2012.

For the fiscal years ended December 31, 2014 and 2013, Audit Fees were \$738,999 and \$689,950, respectively. The Audit Fees included fees of \$683,999 for 2014 and \$608,700 for 2013 associated with the annual audit of our financial statements, Sarbanes-Oxley Act compliance and the interim review of our financial statements included in quarterly reports on Form 10-Q. Additionally in 2014 and 2013, Audit Fees of \$55,000 and \$71,250, respectively, were billed for services provided in connection with accounting consultation for our partnership activities. Also in 2013, Audit Fees of \$10,000 were billed for services provided in connection with our reverse stock split. Audit-Related Fees include services provided in connection with the issuance of comfort letters, and consents relating to registration statement filings with the SEC and tax provision review. Other Fees consist of the cost of our subscription to an accounting research tool provided by PricewaterhouseCoopers LLP.

All audit services and non-audit services provided to us by our independent registered public accounting firm are required to be pre-approved by the Audit Committee. The pre-approval of non-audit services to be provided by PricewaterhouseCoopers LLP includes making a determination that the provision of the services is compatible with maintaining the independence of PricewaterhouseCoopers LLP as our independent registered public accounting firm. All services for audit and other fees set forth in the table above were pre-approved by the Audit Committee.

Vote Required

The affirmative vote of the holders of a majority of the shares present in person or represented by proxy and entitled to vote at the Annual Meeting will be required to ratify the selection of PricewaterhouseCoopers LLP. Abstentions will have the same effect as negative votes. Broker non-votes are counted towards a quorum, but are not counted for any purpose in determining whether this matter has been approved.

THE BOARD OF DIRECTORS RECOMMENDS THAT

STOCKHOLDERS VOTE *FOR* RATIFICATION OF THE SELECTION BY THE AUDIT

COMMITTEE OF THE BOARD OF DIRECTORS OF

PRICEWATERHOUSECOOPERS LLP AS INDEPENDENT REGISTERED PUBLIC

ACCOUNTING FIRM TO THE COMPANY

FOR THE FISCAL YEAR ENDING DECEMBER 31, 2015.

PROPOSAL THREE

APPROVAL OF THE

AMENDED AND RESTATED 2004 EQUITY INCENTIVE PLAN

We are asking our stockholders to approve the Company's Amended and Restated 2004 Equity Incentive Plan (the "A&R 2004 EIP"), and to increase the number of authorized shares of Common Stock reserved for issuance under the A&R 2004 EIP by 3,130,000 shares. The A&R 2004 EIP provides, among other terms, (i) for a new fungible ratio, under which the available share reserve will be reduced by one share for each share of common stock subject to a stock option or stock appreciation right and by 1.17 shares (instead of 2.0) for each share or unit of a full value award (such as restricted stock or restricted stock units) and (ii) for new individual share limits on awards intended to qualify as performance-based awards under Section 162(m) of the Internal Revenue Code, as amended (the "Code"). The Board of Directors has approved the A&R 2004 EIP and the increase of the authorized share reserve thereunder, subject to approval from our stockholders at the Annual Meeting.

The Company's 2004 Equity Incentive Plan (the "2004 EIP") was originally adopted by our Board of Directors in January 2004 and approved by our stockholders in February 2004. Our stockholders approved amendments to the 2004 EIP in May 2008, May 2009, May 2010, May 2011 and May 2012. A total of 266,667 shares of our Common Stock were initially authorized for issuance under the 2004 EIP. The authorized amount was thereafter increased: (i) by application of the evergreen provisions of the 2004 EIP, through May 2008; (ii) by shares returned to our 1997 Stock Option/Stock Issuance Plan (the "1997 Plan") that were rolled into the 2004 EIP pursuant to the terms of the 2004 EIP; and (iii) by stockholder approval at each of the Company's annual meetings from May 2008 through May 2013. As of February 27, 2015, a total of 4,607,190 shares of our Common Stock were authorized for issuance under the 2004 EIP.

The Board of Directors believes that this is an appropriate time to update the terms of the 2004 EIP with respect to a number of substantive provisions, and it therefore approved an amendment and restatement of the 2004 EIP. In addition, our Board of Directors believes that the number of shares of our Common Stock that remain available for issuance under the 2004 EIP is insufficient to achieve the purposes of the plan over the term of the plan. Accordingly, the Board of Directors is now requesting that the stockholders approve the A&R 2004 EIP, as well as an increase to the number of authorized shares of Common Stock reserved for issuance under the A&R 2004 EIP of 3,130,000 shares. The Board of Directors has approved this increase to the authorized share reserve, subject to approval from our stockholders at the Annual Meeting. If this Proposal Three is not approved by our stockholders, the 2004 EIP will continue in accordance with its existing terms, and there will be no such increase to the number of shares of Common Stock reserved for issuance under the 2004 EIP.

Amendment and Restatement of the 2004 Equity Incentive Plan

The following is a summary of the substantive changes proposed under the A&R 2004 EIP. This summary is qualified in its entirety by reference to the actual text of the A&R 2004 EIP, which is appended to this Proxy Statement as Appendix A.

The fungible ratio under which the share reserve is calculated is revised to provide that the share reserve will be reduced by one share for each stock option and stock appreciation right awarded under the plan, and by 1.17 shares for each share or unit of a full value award (such as restricted stock or restricted stock units); and

The limits applicable to awards that are intended to be performance-based awards for purposes of Section 162(m) of the Internal Revenue Code of 1986, as amended (the "Code") have been adjusted to reflect the values intended to have been awardable to participants under the A&R 2004 EIP as originally contemplated.

We also propose to increase the number of authorized shares of our Common Stock reserved for issuance under the A&R 2004 EIP by an additional 3,130,000 shares, from 4,607,190 shares as of February 27, 2015 to 7,737,190 shares, subject to stockholder approval of this Proposal.

The Board of Directors believes that the approval of the A&R 2004 EIP is essential to our continued success. We believe that our employees are one of our most valuable assets and that the issuance of awards under the A&R 2004 EIP is a critical factor in our ability to attract and retain outstanding and highly skilled individuals in the extremely competitive labor markets in which we operate. Such awards also are crucial to our ability to motivate our employees to achieve our goals. This Proposal Three is intended to provide sufficient shares to fund anticipated equity awards under the A&R 2004 EIP until the 2016 Annual Meeting of Stockholders. If approved, the number of authorized shares of Common Stock available for issuance under the A&R 2004 EIP, as a percentage of the number of shares of our Common Stock issued and outstanding, would be consistent with those of our Peer Companies (as defined in the Compensation Discussion and Analysis section of this proxy statement). For our Peer Companies, this percentage ranges between 2.9% and 4.2% annually. For the past three years (2012 through 2014) the Company has granted an average of 2.7% annually, based on the number of shares of our Common Stock issued and outstanding. As discussed above, the Board of Directors believes that our ability to issue awards to our employees under the A&R 2004 EIP at a level that is competitive with our Peer Companies is critical to our ability to succeed.

Summary of the Amended and Restated 2004 Equity Incentive Plan

The following is a summary of the principal features of the A&R 2004 EIP, as approved by the Board of Directors and subject to stockholder approval as described in this Proposal Three. The summary is qualified in its entirety by reference to the A&R 2004 EIP, appended to this Proxy Statement as Appendix A.

The A&R 2004 EIP provides for the grant of the following types of incentive awards: (i) stock options, including incentive stock options and nonstatutory stock options, (ii) stock appreciation rights (SARs), (iii) restricted stock, (iv) restricted stock units, (v) performance shares, and (vi) performance units. Each of these is referred to as an Award.

Eligibility. Under the A&R 2004 EIP, eligible individuals include employees and consultants who provide services to us as well as members of our Board of Directors. As of February 27, 2015, approximately 94 of our employees and seven non-employee directors will be eligible for Awards under the A&R 2004 EIP.

Number of Shares of Stock Available Under the A&R 2004 EIP. The maximum aggregate number of shares that may be issued under the A&R 2004 EIP, after giving effect to the addition of shares proposed to be added under this Proposal Three, is 7,737,190 shares. During the term of the A&R 2004 EIP, we will at all times reserve and keep available such number of shares of our Common Stock as will be sufficient to satisfy the requirements of the A&R 2004 EIP.

Fungible Ratio. Under the 2004 EIP, shares of stock subject to Awards that are not options or SARs (called Full Value Awards) count against the share reserve as two shares for every one share subject to such an Award, and if shares subject to such Full Value Awards are forfeited or repurchased by us and would otherwise return to the 2004 EIP, then two times the number of shares so forfeited or repurchased will become available for future issuance under the 2004 EIP. If Proposal Three is approved, then with respect to Awards granted on and after May 20, 2015, shares of our Common Stock subject to Full Value Awards will count against the share reserve as 1.17 shares for every one share of stock subject to such an Award, and if shares subject to such Full Value Awards are forfeited or repurchased by us and would otherwise return to the A&R 2004 EIP, as described below, 1.17 times the number of shares of stock so forfeited or repurchased will become available for future issuance under the A&R 2004 EIP.

Return of Shares Subject to an Option or SAR. Shares that have actually been issued under the A&R 2004 EIP under any Award, including an option, will not be returned to the A&R 2004 EIP and will not become available for future issuance under the A&R 2004 EIP. Upon exercise of a SAR settled in shares, the gross number of shares covered by the portion of the SAR so exercised will cease to be available under the A&R 2004 EIP. If the exercise price of an option is paid by a tender to us of shares owned by the participant, the number of

shares available for issuance under the A&R 2004 EIP will be reduced by the gross number of shares for which the option is exercised. Shares used to pay the exercise price of an Award and/or used to satisfy tax withholding obligations will not become available for future grant or sale under the A&R 2004 EIP. If an Award that is an option or SAR expires or becomes unexercisable without having been exercised in full, the unpurchased shares which were subject to the Award will become available for future grant or sale under the A&R 2004 EIP.

Return of Shares or Units Subject to Full Value Awards. With respect to Full Value Awards, if shares are repurchased by us or units are forfeited by the participant due to failure to vest, the repurchased shares or forfeited units which were subject to the Award will become available for future grant or sale under the A&R 2004 EIP. To the extent an Award is paid out in cash rather than stock, such cash payment will not reduce the number of shares available for issuance under the A&R 2004 EIP.

Maximum Shares Issuable under Incentive Stock Options. The maximum number of shares that may be issued upon the exercise of incentive stock options under the A&R 2004 EIP will be 7,737,190.

If we declare a stock dividend or engage in a reorganization or other change in our capital structure, including in connection with a merger, the Administrator (as defined below) will make appropriate adjustments under the A&R 2004 EIP with respect to (i) the number and class of shares available for issuance, (ii) the number, class and price of shares subject to outstanding Awards, (iii) the maximum number of shares issuable, and (iv) the specified per-person limits on Awards to reflect the change. As of February 27, 2015, the closing price of a share of our Common Stock as reported on the NASDAQ Capital Market was \$7.71.

Administration of the A&R 2004 EIP. The Board of Directors, or a committee of directors or of other individuals satisfying applicable laws and appointed by the Board of Directors (referred to as the Administrator), will administer the A&R 2004 EIP. The Board of Directors has delegated administration of the A&R 2004 EIP to the Compensation and Talent Committee of the Board of Directors.

Subject to the terms of the A&R 2004 EIP, the Administrator has broad authority to administer, interpret and construe the A&R 2004 EIP and Awards granted under the A&R 2004 EIP. The Administrator, may, among other things, determine the employees, consultants, and directors who will receive Awards, the numbers and types of Awards to be granted and the terms and conditions of Awards, including the relevant vesting conditions, and in the case of stock options and SARs, the periods of their exercisability.

The Administrator may, with stockholder approval, implement an exchange program under which (i) outstanding Awards may be surrendered or cancelled in exchange for Awards of the same type, Awards of a different type, or cash; (ii) participants would have the opportunity to transfer any outstanding Awards to a financial institution or other person or entity selected by the Administrator; and/or (iii) the exercise price of an outstanding Award could be reduced. However, subject to certain mandatory adjustment provisions set forth in the A&R 2004 EIP (and described above), the Administrator cannot amend the terms of any Award to reduce the exercise price of such outstanding Award or cancel an outstanding Award in exchange for cash or other Awards with an exercise price that is less than the exercise price of the original Award, without stockholder approval.

All decisions, determinations and interpretations made by the Administrator will be final and binding on all participants and any other holders of Awards.

Options and Stock Appreciation Rights. The Administrator may grant nonstatutory stock options, incentive stock options and SARs under the A&R 2004 EIP. The Administrator determines the number of shares subject to each option or SAR. The aggregate fair market value, determined at the time of grant, of shares of stock with respect to incentive stock options that are exercisable for the first time by a participant during any calendar year under all of our stock plans may not exceed \$100,000. The stock options or portions of stock options that exceed this limit are treated as nonstatutory stock options.

The exercise price of options and SARs granted under the A&R 2004 EIP will be no less than the fair market value of our Common Stock on the date of grant, except that the exercise price of an incentive stock option granted to any participant who owns more than 10% of the total voting power of all classes of our outstanding stock will be at least 110% of the fair market value of the stock on the grant date.

The term of each option or SAR will be set forth in the Award agreement and may not exceed ten years, except that the term of an incentive stock option granted to a participant who owns more than 10% of the total voting power of all classes of our outstanding stock may not exceed five years.

After a participant terminates service with us, the participant may exercise the vested portion of his or her option or SAR for the period of time stated in the Award agreement (not to exceed the original term of the Award). If no such period of time is stated in the participant's Award agreement, the participant (or, if applicable, the participant's estate) generally may exercise the option or SAR for (i) three months following the participant's termination for reasons other than death or disability, and (ii) twelve months following the participant's termination due to death or disability.

The Administrator determines the form of payment it will accept when a participant exercises an option or SAR, which may include (i) cash, (ii) check, (iii) other shares of stock (provided that such shares have a fair market value on the date of surrender equal to the aggregate exercise price of the shares as to which the option or SAR will be exercised and that the acceptance of such shares, as determined by the Administrator, will not result in adverse accounting consequences to the Company), (iv) consideration received by us under a cashless exercise program implemented by us, (v) other consideration and methods of payment permitted by applicable laws, or (vi) any combination of the foregoing methods of payment.

Restricted Stock. An Award of restricted stock is an issuance of shares of our Common Stock, subject to restrictions that lapse (or vest) based upon the satisfaction of the applicable terms and conditions (including vesting) established by the Administrator in its sole discretion. The Administrator will determine the number of shares granted pursuant to an Award of restricted stock. The Administrator, in its discretion, may accelerate the time at which any restrictions will lapse or be removed. The Award agreement generally will grant us a right to repurchase or reacquire the shares upon the termination of the participant's service with us for any reason, including death or disability. On the date set forth in the Award agreement, all unvested restricted stock will be forfeited to us.

Restricted Stock Units. An Award of restricted stock unit represents the right, subject to certain terms and conditions, to be issued one share of stock for each unit that vests or otherwise satisfies applicable performance conditions. Each Award of restricted stock units will be evidenced by an Award agreement that will set forth the terms and conditions of the Award. The Administrator may establish service-based or other vesting criteria (including performance-based vesting criteria) in its discretion, which, depending on the extent to which such criteria are met, will determine the number of restricted stock units to be paid to participants. The restricted stock units will vest at a rate determined by the Administrator; provided, however, that after the grant of the restricted stock units, the Administrator, in its sole discretion, may reduce or waive any vesting provisions for such restricted stock units. Vested restricted stock units will be settled in shares of our Common Stock as soon as administratively practicable following the date on which such restricted stock units vest. On the date set forth in the Award agreement, all unvested restricted stock units will be forfeited to us.

Performance Shares and Performance Units. Performance shares and performance units are Awards under which the release of shares or vesting of units requires the achievement of performance goals or objectives or other conditions established by the Administrator. The Administrator will determine the number of performance shares or performance units to be granted to a participant. Each Award of performance units or performance shares will be evidenced by an Award agreement and will specify the performance period and such other terms and conditions as determined by the Administrator, including the rate at which the shares or units will vest. After the applicable performance period has ended, any performance shares or performance units earned or vested will

be paid, in the Administrator's sole discretion, in the form of cash, shares of our Common Stock, or in a combination thereof. The extent to which the performance objectives are met will determine the number and/or the value of performance units and performance shares to be paid out to participants, however, the Administrator may reduce or waive any performance objectives or other vesting provisions for such performance unit or performance share, in its sole discretion. On the date set forth in the Award agreement, all unearned or unvested performance units and performance shares will be forfeited to us.

Performance-Based Awards under Section 162(m) of the Code

The A&R 2004 EIP allows us to grant Awards that may qualify as performance-based compensation, so that the value of such Awards is not subject to the \$1 million limitation on deductibility of compensation paid to a covered employee under Section 162(m) of the Code. Covered employees are generally the chief executive officer and the top three most highly compensated officers other than the chief financial officer. While we believe it is in the best interests of the Company and our stockholders to preserve the ability to grant performance-based compensation under Section 162(m) of the Code, in certain circumstances, we may determine to grant compensation to covered employees that will not qualify as performance-based compensation for purposes of Section 162(m) of the Code. Moreover, even if we intend to grant compensation that qualifies as performance-based compensation, we cannot guarantee that such compensation ultimately will be deductible by us.

For the grant of awards under a plan to qualify as performance-based compensation under Section 162(m) of the Code, among other things, the plan must (1) describe the employees eligible to receive such awards, (2) provide a per-person limit on the number of shares subject to stock options and performance stock awards, and the amount of cash that may be subject to performance cash awards, granted to any employee under the plan in any year, and (3) include one or more pre-established business criteria upon which the performance goals for performance awards may be granted (or become vested and/or exercisable). These terms must be approved by our stockholders and, accordingly, we are requesting our stockholders to approve the A&R 2004 EIP, which includes terms regarding eligibility for awards, per-person limits on awards and the business criteria for performance awards granted under the A&R 2004 EIP (as described in the summary below).

Under the A&R 2004 EIP, Awards may be subject to one or more of the following performance goals, either alone or in combination (collectively, the Performance Goals): (a) cash position, (b) clinical progression, (c) collaboration arrangements, (d) collaboration progression, (e) earnings per share, (f) a financing event, (g) net income, (h) operating cash flow, (i) market share, (j) operating expenses, (k) operating income, (l) product approval, (m) product revenues, (n) profit after tax, (o) projects in development, (p) regulatory filings, (q) return on assets, (r) return on equity, (s) revenue growth, and (t) total stockholder return, (u) implementation of, progression in or completion of projects or processes (including, without limitation, progress in research or development programs, progress in regulatory or compliance initiatives, clinical trial initiation, clinical trial enrollment, clinical trial results, new or supplemental indications for existing products, regulatory filing submissions, regulatory filing acceptances, regulatory or advisory committee interactions, regulatory approvals, product supply and systems development and implementation), (v) completion of a joint venture or other corporate transaction, (w) employee retention, (x) budget management and (y) to the extent that an Award is not intended to comply with Section 162(m) of the Code, other measures of performance selected by the Board of Directors. Any Performance Goals may be used to measure the performance of the Company as a whole, a business or divisional unit of the Company, or with respect to an individual participant's performance. In addition, Performance Goals may be measured relative to a peer group or index or to another Performance Goal.

Prior to the date that will not jeopardize qualification of an Award intended to qualify as performance-based compensation under Section 162(m) of the Code, the Administrator will determine whether any significant element(s) will be included in or excluded from the calculation of any Performance Goal with respect to any participant. In all other respects, Performance Goals will be calculated in accordance with the Company's financial statements, generally accepted accounting principles, or under a methodology established by the

Administrator prior to the issuance of an Award, which is consistently applied and identified in the financial statements, including footnotes, or the management discussion and analysis of the Company's annual report.

Under the A&R 2004 EIP, for Awards that are intended to qualify as performance-based compensation under Section 162(m) of the Code, no participant will receive an Award of options or SARs covering more than 500,000 shares of stock. With respect to Awards of performance shares or performance units that are intended to qualify as performance-based compensation under Section 162(m) of the Code, no participant will receive an Award of more than 500,000 performance shares (or the equivalent in performance units).

Transferability of Awards. Awards are generally not transferable, and all rights with respect to an Award granted to a participant generally will be available during a participant's lifetime only to the participant. The Administrator, however, may make an Award transferable to certain family members, trusts or related business entities of the participant, or to organizations as charitable donations.

Change in Control. In the event of a change in control of the Company (as defined in the A&R 2004 EIP and described below), each outstanding Award will be assumed or an equivalent option or right substituted by the successor corporation or a parent or subsidiary of the successor corporation. If the successor corporation refuses to assume or substitute for the Award, then: (i) the participant will fully vest in, and have the right to exercise, all of his or her outstanding options and SARs, including shares as to which such Awards would not otherwise be vested or exercisable; (ii) all restrictions on restricted stock will lapse; and, (iii) with respect to performance shares, performance units and restricted stock units, all performance goals or other vesting criteria will be deemed achieved at target levels and all other terms and conditions met. In addition, if an option or SAR is not assumed or substituted for in the event of a change in control, the Administrator will notify the participant that the option or SAR will be fully vested and exercisable for a period of time prior to the change in control determined by the Administrator in its sole discretion, and the option or SAR will terminate upon the expiration of such period.

With respect to Awards granted to a non-employee director of the Company that are assumed or substituted for, if on the date of or following such assumption or substitution the participant's status as a director or a director of the successor corporation, as applicable, is terminated other than upon a voluntary resignation by the participant not at the request of the successor, then: (i) the participant will fully vest in, and have the right to exercise, his or her options and SARs as to all of the shares subject to the Award; (ii) all restrictions on restricted stock shall lapse; and, (iii) with respect to performance shares, performance units and restricted stock units, all performance goals or other vesting criteria will be deemed achieved at target levels and all other terms and conditions met.

For purposes of the A&R 2004 EIP, a change in control generally means the occurrence of any of the following events: (i) any person (as defined in Sections 13(d) and 14(d) of the Exchange Act) becomes the beneficial owner (as defined in Rule 13d-3 of the Exchange Act), directly or indirectly, of securities of the Company representing 50% or more of the total voting power of our then outstanding voting securities; (ii) consummation of the sale or disposition by us of all or substantially all of our assets; (iii) a change in the composition of the Board of Directors occurring within a two-year period, as a result of which fewer than a majority of the directors are incumbent directors (as defined in the A&R 2004 EIP); or (iv) consummation of a merger or consolidation of the Company with any other corporation, other than a merger or consolidation which would result in the voting securities of the Company outstanding immediately prior thereto continuing to represent at least 50% of the total voting power represented by the voting securities of the Company or such surviving entity or its parent outstanding immediately after such merger or consolidation.

Amendment and Termination of the A&R 2004 EIP. The Administrator has the authority to amend, alter, suspend or terminate the A&R 2004 EIP at any time, except that stockholder approval will be required for any amendment to the A&R 2004 EIP to the extent required by applicable laws. No amendment, alteration, suspension or termination of the A&R 2004 EIP will impair the rights of any participant without his or her consent. The A&R 2004 EIP will terminate on May 20, 2025 unless the Administrator terminates it earlier.

New Plan Benefits

Awards that an employee, director or consultant may receive under the A&R 2004 EIP are granted in the Administrator's discretion and are not subject to set benefits or amounts, and we have not approved any Awards that are conditioned on stockholder approval of the A&R 2004 EIP. Therefore, we cannot currently determine the benefits, amounts or number of shares subject to Awards that may be granted in the future to our executive officers and other employees, directors or consultants under the A&R 2004 EIP. For information on the number of shares subject to awards granted under the 2004 EIP during 2014 for our named executive officers, see the Grants of Plan Based Awards Table in 2014 later in this proxy statement. The total number of shares subject to awards granted in fiscal 2014 under the 2004 EIP was 988,331.

2004 EIP Benefits

As of February 27, 2015, a total of 4,147,929 shares of our Common Stock were subject to outstanding stock options awarded under the 2004 EIP and the 1997 Plan. As of such date, these stock option awards had a weighted average exercise price of \$11.50 per share and a weighted average remaining term of 7.36 years. No stock option awards were granted under the 2004 EIP or 1997 Plan in which the exercise price for the underlying shares was less than the fair market value of such shares on the date of grant. As of February 27, 2015, there were 96,080 unvested restricted stock units outstanding. As of February 27, 2015, there were 363,181 shares available for grant under the 2004 EIP.

Federal Income Tax Consequences

The following is a summary of the principal United States federal income taxation consequences to participants and us with respect to participation in the A&R 2004 EIP. This summary is not intended to be exhaustive and does not discuss the income tax laws of any local, state or foreign jurisdiction in which a participant may reside. The information is based upon current federal income tax rules and therefore is subject to change when those rules change. Because the tax consequences to any participant may depend on his or her particular situation, each participant should consult his or her tax adviser regarding the federal, state, local, and other tax consequences of the grant or exercise of an Award or the disposition of shares of stock acquired under the A&R 2004 EIP. The A&R 2004 EIP is not qualified under the provisions of Section 401(a) of the Code and is not subject to any of the provisions of the Employee Retirement Income Security Act of 1974, as amended. Our ability to realize the benefit of any tax deductions described below depends on our generation of taxable income as well as the requirement of reasonableness, the provisions of Section 162(m) of the Code and the satisfaction of our tax reporting obligations.

Nonstatutory Stock Options. No taxable income is reportable when a nonstatutory stock option is granted to a participant. Upon exercise, the participant will recognize ordinary income in an amount equal to the excess of the fair market value (on the exercise date) of the shares purchased over the exercise price of the option. Any taxable income recognized in connection with an option exercise by an employee of the Company is subject to tax withholding by us. Any gain or loss recognized upon any later disposition of the shares would be capital gain or loss.

Incentive Stock Options. No taxable income is reportable when an incentive stock option is granted or exercised (except for purposes of the participant's alternative minimum tax at exercise, if any, in which case the amount of tax is the same as for nonstatutory stock options). If the participant exercises the option and then later sells or otherwise disposes of the shares more than two years after the grant date and more than one year after the exercise date, the difference between the sale price and the exercise price will be taxed as capital gain or loss. If the participant exercises the option and then later sells or otherwise disposes of the shares before the end of the two- or one-year holding periods described above, he or she generally will have ordinary income at the time of the sale equal to the fair market value of the shares on the exercise date (or the sale price, if less) minus the exercise price of the option.

Stock Appreciation Rights. No taxable income is reportable when a SAR is granted to a participant. Upon exercise, the participant will recognize ordinary income in an amount equal to the amount of cash received and/or the fair market value of any shares received. Any gain or loss recognized upon any later disposition of the shares would be capital gain or loss.

Restricted Stock and Performance Shares. A participant generally will not have taxable income at the time an Award of restricted stock or performance shares are granted. Instead, he or she will recognize ordinary income in the first taxable year in which his or her interest in the shares underlying the Award becomes either (i) freely transferable, or (ii) no longer subject to substantial risk of forfeiture. However, the recipient of a restricted stock Award may elect, under Section 83(b) of the Code, to recognize income at the time he or she receives the Award in an amount equal to the fair market value of the shares underlying the Award (less any cash paid for the shares) on the date the Award is granted.

Restricted Stock Units and Performance Units. A participant generally will not have taxable income at the time restricted stock units or performance units are granted. Instead, he or she will recognize ordinary income upon distribution of shares with respect to a restricted stock unit in an amount equal to the fair market value of those shares. Any gain or loss recognized upon any other disposition of the shares would be capital gain or loss.

Section 409A. If an Award is subject to and fails to satisfy the requirements of Section 409A of the Code the participant may recognize ordinary income on the amounts deferred under the Award, to the extent vested, which may be prior to when the compensation is actually or constructively received. Also, if an Award that is subject to Section 409A of the Code fails to comply with the provisions of Section 409A of the Code, Section 409A of the Code imposes an additional 20% federal income tax on compensation recognized as ordinary income, as well as interest on such deferred compensation. Some states may also apply a penalty tax (for instance, California imposes a 20% penalty tax in addition to the 20% federal penalty tax).

Tax Effect for the Company; Section 162(m). We generally will be entitled to a tax deduction in connection with an Award under the A&R 2004 EIP in an amount equal to the ordinary income realized by a participant and at the time the participant recognizes such income (for example, upon exercise of a nonstatutory stock option), provided that we satisfy certain tax withholding requirements applicable to such income. Section 162(m) of the Code limits the deductibility of compensation paid to our Chief Executive Officer (i.e., our principal executive officer) and to each of our three most highly compensated executive officers for the taxable year (other than the principal financial officer). As discussed above, the A&R 2004 EIP has been designed to permit the Administrator to grant Awards that are intended to qualify as performance-based compensation within the meaning of Section 162(m) of the Code for purposes of satisfying the exemption from these deduction limits, but not all Awards may so qualify, and the Administrator retains full discretion to grant Awards that are not intended to so qualify.

THE FOREGOING IS ONLY A SUMMARY OF THE EFFECT OF FEDERAL INCOME TAXATION UPON PARTICIPANTS AND THE COMPANY WITH RESPECT TO THE GRANT AND EXERCISE OF AWARDS UNDER THE A&R 2004 EIP. IT DOES NOT PURPORT TO BE COMPLETE, AND DOES NOT DISCUSS THE TAX CONSEQUENCES OF A PARTICIPANT'S DEATH OR THE PROVISIONS OF THE INCOME TAX LAWS OF ANY MUNICIPALITY, STATE OR FOREIGN COUNTRY IN WHICH THE PARTICIPANT MAY RESIDE.

Vote Required and Board of Directors Recommendation

The approval of the A&R 2004 EIP requires the affirmative vote of a majority of the shares present in person or represented by proxy at the Annual Meeting. Abstentions will have the same effect as negative votes. Broker non-votes are counted towards a quorum, but are not counted for any purpose in determining whether this matter has been approved. The A&R 2004 EIP will not become effective if our stockholders do not vote FOR its approval.

THE BOARD OF DIRECTORS RECOMMENDS THAT STOCKHOLDERS

VOTE FOR APPROVAL OF THE AMENDED AND RESTATED 2004 EQUITY INCENTIVE PLAN (THE A&R 2004 EIP) AND TO INCREASE THE NUMBER OF AUTHORIZED SHARES RESERVED FOR ISSUANCE UNDER THE A&R 2004 EIP BY 3,130,000 SHARES. THE A&R 2004 EIP PROVIDES, AMONG OTHER TERMS, THAT THE NUMBER OF SHARES AVAILABLE FOR ISSUANCE SHALL BE REDUCED BY ONE SHARE FOR EACH SHARE OF COMMON STOCK SUBJECT TO A STOCK OPTION OR STOCK APPRECIATION RIGHT AND BY 1.17 SHARES (INSTEAD OF 2.0) FOR EACH SHARE OR UNIT OF A FULL VALUE AWARD (SUCH AS RESTRICTED STOCK OR RESTRICTED STOCK UNITS), AND FOR NEW INDIVIDUAL SHARE LIMITS APPLICABLE TO AWARDS INTENDED TO QUALIFY AS PERFORMANCE-BASED AWARDS UNDER SECTION 162(m) OF THE CODE.

PROPOSAL FOUR

APPROVAL OF THE COMPANY S

2015 EMPLOYEE STOCK PURCHASE PLAN

We are asking our stockholders to approve the Company s 2015 Employee Stock Purchase Plan (the 2015 ESPP), and to authorize 500,000 shares of stock to be reserved for issuance under the 2015 ESPP. Our Board of Directors has approved the 2015 ESPP and the initial share reserve thereunder to be effective November 1, 2015, subject to approval from our stockholders at the Annual Meeting.

The Company currently sponsors the 2004 Employee Stock Purchase Plan, as amended (the 2004 ESPP), which was approved and implemented in connection with our initial public offering of stock in May 2004. If the 2015 ESPP and the requested share reserve are approved by stockholders at the Annual Meeting, then effective October 30, 2015, all offerings under the 2004 ESPP will terminate, and the final purchase will be made under the 2004 ESPP. Any authorized shares remaining available for issuance under the 2004 ESPP will roll over and become available for issuance under the 2015 ESPP.

We believe that offering an employee stock purchase plan provides a valuable benefit and incentive to our employees, and enables us to offer competitive benefits to attract and retain the highly skilled individuals in the extremely competitive labor markets in which we compete for talent. As a result, the Company wishes to continue to offer an employee stock purchase plan to our employees, and our Board of Directors has determined that termination of the 2004 ESPP and adoption of the new 2015 ESPP is in the best interest of the company and its stockholders, as the new plan will provide us more flexibility with respect to the duration of offering periods, which in turn should help us manage the financial expense associated with this type of plan. Therefore, we request your approval of the 2015 ESPP, and your authorization of an initial share reserve of 500,000 shares of stock to be available under the 2015 ESPP.

Description of the Employee Stock Purchase Plan

The following summary outlines the principal features of the 2015 ESPP and its terms of operation. The 2015 ESPP, as approved by the Board of Directors and subject to stockholder approval as described in this Proposal Four, is set forth in its entirety as Appendix B to this proxy statement. The following summary is qualified in its entirety by reference to Appendix B.

Purpose

The purpose of the 2015 ESPP is to provide eligible employees of the Company with the opportunity to purchase shares of our Common Stock (generally at a discount) through payroll deductions. The 2015 ESPP is intended to qualify as an employee stock purchase plan under Section 423(b) of the Internal Revenue Code of 1986, as amended (the Code).

Eligibility to Participate

An employee is eligible to participate in the 2015 ESPP if he or she is a common law employee and is customarily employed for at least 20 hours per week and more than five months in any calendar year. An employee may not be granted rights to purchase stock under our 2015 ESPP if such employee (i) immediately after the grant would own stock possessing 5% or more of the total combined voting power or value of our Common Stock, or (ii) holds rights to purchase stock under our 2015 ESPP that would accrue at a rate that exceeds \$25,000 worth of our Common Stock in any fiscal year.

As of February 27, 2015, approximately 94 employees were eligible to participate in the 2004 ESPP.

Administration, Amendment and Termination

The Board of Directors or a committee of the members of the Board of Directors (collectively referred to as the Administrator) administers the 2015 ESPP. The Board of Directors has delegated administration of the 2015 EIP to the Compensation and Talent Committee of the Board of Directors. Under the 2015 ESPP, the Administrator has full and exclusive discretionary authority to construe, interpret and apply the terms of the 2015 ESPP, to determine eligibility, to adjudicate claims under the 2015 ESPP and to establish the procedures that it deems necessary for the administration of the 2015 ESPP. The Administrator may delegate one or more of its duties in the administration of the 2015 ESPP. Decisions made by the Administrator (or its designee) will, to the full extent permitted by law, be final and binding upon all parties.

The Administrator generally may amend or terminate the 2015 ESPP at any time and for any reason. However, certain amendments that may adversely affect the rights of any participant may not be made without consent. The Company shall obtain stockholder approval of any amendments to the extent required by applicable law.

The 2015 ESPP will continue in effect until it is terminated by the Administrator.

Number of Shares of Stock available under the 2015 ESPP

Pursuant to this Proposal Four, a total of 500,000 shares of our stock will authorized for issuance under the 2015 ESPP. In addition, any authorized shares remaining available for issuance under the 2004 ESPP will roll over and become available for issuance under the 2015 ESPP. In the event of certain capitalization adjustments (as defined in the 2015 ESPP), the Administrator will (1) adjust the number of shares of stock reserved for issuance, (2) adjust the purchase price per share and the number of shares covered by each outstanding option under the 2015 ESPP which has not yet been exercised, and (3) adjust the number of shares a participant is permitted to purchase during a purchase period.

If the total number of shares of our Common Stock to be purchased pursuant to outstanding options on any particular date exceeds either (1) the number of shares that were available for sale under the 2015 ESPP on the enrollment date of the applicable offering period or (2) the number of shares then available for issuance under the 2015 ESPP on such exercise date, then the Company shall make a pro rata allocation of the shares available for purchase on such enrollment date or exercise date, as applicable, unless otherwise provided by the Administrator.

Offering Period and Purchase Rights

Shares of our Common Stock are offered under the ESPP under offering periods ranging in length from six to 24 months; offering periods may be consecutive or overlapping. The Administrator may change the duration of an offering period in its sole discretion. Each offering period will consist of a series of one or more successive purchase periods.

Under the 2004 ESPP, offering periods are 24 months in duration, beginning on the first trading day on or after May 1 and on the first trading day on or after November 1 each year. Thus, two separate offering periods begin in each calendar year. Currently, purchase periods run from the first trading day on or after May 1 and November 1 of each year, to the first trading day on or before the subsequent October 31 and April 30, respectively.

If the fair market value of a share of our Common Stock on any exercise date within a particular offering period under the 2004 ESPP is less than the fair market value of a share on the enrollment date of that offering period, then the participants in that offering period will automatically be transferred from that offering period after the exercise of their option on such exercise date and re-enrolled in the immediately following offering period.

Under the 2015 ESPP, our Board of Directors has the discretion to set offering periods of up to 27 months, but nonetheless, expects to approve offering periods of six months in duration, beginning on the first trading day on or after November 1 and on the first trading day on or after May 1 each year. Thus, two separate offerings will begin and end in each calendar year.

Purchase of Shares

On the exercise date (i.e., the first trading day after May 1 and November 1 of each year), the Company will use the payroll deductions credited to each participating employee's account to purchase shares of stock for such employee's account. The purchase price of the shares purchased on behalf of each participant on each exercise date will be not less than 85% of the lower of the fair market value of a share of our Common Stock on (1) the first day of the offering period and (2) the exercise (or purchase) date. The fair market value under the 2015 ESPP generally means the closing sales price for the Company's Common Stock on the NASDAQ National Market System for the day in question. As soon as administratively practicable after each exercise date, the Company will deliver to the participant the shares of stock purchased upon exercise of his or her option in the form determined by the Administrator.

Withdrawal Rights and Termination of Employment

A participant may withdraw from the 2015 ESPP at any time, and, as promptly as practicable following such withdrawal, all of the accumulated payroll deductions credited to the participant's account will be refunded, without interest, and the participant's option for the offering period will automatically terminate and no further payroll deductions will be made. Upon the participant's cessation of employment or loss of eligible employee status, the participant will be deemed to have elected to withdraw from the 2015 ESPP and all payroll deductions will automatically cease and all payroll deductions credited to the participant's account but not yet used to purchase shares under the 2015 ESPP will be refunded to the participant (or the participant's beneficiary or estate, if applicable), without interest.

Transferability

Neither payroll deductions credited to a participant's account nor any rights with regard to the exercise of an option or to receive shares of stock under the 2015 ESPP may be assigned, transferred, pledged or otherwise disposed of in any way (other than by will, the laws of descent and distribution, or pursuant to a valid beneficiary designation in accordance with the terms of the 2015 ESPP) by the participant.

Change in Control

In the event of a specified corporate transaction, such as a merger or sale of all or substantially all of our assets, a successor corporation may assume, continue, or substitute each outstanding purchase right. If the successor corporation does not assume, continue, or substitute for the outstanding purchase rights, the offering in progress will be shortened and the participants' accumulated contributions will be used to purchase shares prior to the effective date of the corporate transaction.

Number of Shares Purchased by Certain Individuals and Groups

Given that the number of shares of our Common Stock that may be purchased under the 2015 ESPP is determined, in part, on the fair market value of a share of our Common Stock on the first and last day of the enrollment period and given that each employee's participation in the 2015 ESPP is voluntary, the actual number of shares that may be purchased by any individual is not determinable. For illustrative purposes, the following table sets forth (a) the number of shares of our Common Stock that were purchased during fiscal year 2014 under the 2004 ESPP, and the (b) average price per share purchase price paid for such shares.

| Name of Individual or Group | Number of Shares Purchased | Average per Share Purchase Price |
|--|----------------------------|----------------------------------|
| Sharon A. Barbari Executive Vice President, Finance and Chief Financial Officer | 416 | \$ 3.35 |
| David W. Cragg Senior Vice President, Human Resources | 416 | \$ 3.35 |
| Fady I. Malik, M.D., Ph.D. Senior Vice President, Research and Development | 416 | \$ 3.35 |
| Andrew Wolff, M.D., F.A.C.C Senior Vice President, Chief Medical Officer | 416 | \$ 3.35 |
| All directors who are not executive officers, as a group(1) | | |
| All employees who are not executive officers, as a group | 18,062 | \$ 3.35 |

(1) Directors who are not employees of the Company are not eligible to participate in either the 2004 ESPP or the 2015 ESPP.

Federal Income Tax Consequences

The following is a summary of the principal United States federal income taxation consequences to participants and us with respect to participation in the 2015 ESPP. This summary is not intended to be exhaustive and does not discuss the income tax laws of any local, state or foreign jurisdiction in which a participant may reside. The information is based upon current federal income tax rules and therefore is subject to change when those rules change. Because the tax consequences to any participant may depend on his or her particular situation, each participant should consult the participant's tax adviser regarding the federal, state, local, and other tax consequences of the grant or exercise of an option or the disposition of stock acquired under the 2015 ESPP. The 2015 ESPP is not qualified under the provisions of Section 401(a) of the Code and is not subject to any of the provisions of the Employee Retirement Income Security Act of 1974, as amended.

An employee generally will not have taxable income when the shares of our Common Stock are purchased for him or her on the applicable exercise date, but the employee generally will have taxable income when the employee sells or otherwise disposes of shares purchased under the 2015 ESPP. For shares of our Common Stock that the employee does not dispose of until more than 24 months after the applicable enrollment date and more than 12 months after the purchase date (the holding period), any gain up to the amount of the discount (if any) from the fair market value of the shares on the enrollment date (or re-enrollment date) is taxed as ordinary income. Any additional gain above that amount is taxed at long-term capital gain rates. If, after the holding period, the employee sells the shares of stock for less than the purchase price, the difference is a long-term capital loss. Shares of stock sold within the holding period are taxed at ordinary income rates on the amount of discount received from the share's fair market value on the purchase date. Any additional gain (or loss) is taxed to the stockholder as long-term or short-term capital gain (or loss). The purchase date begins the period for determining whether the gain (or loss) is short-term or long-term.

The Company may deduct for federal income tax purposes an amount equal to the ordinary income the employee must recognize when he or she disposes of shares purchased under the 2015 ESPP within the holding period. The Company may not deduct any amount for shares disposed of after the holding period.

Summary

We believe strongly that the approval of the 2015 ESPP and 500,000 shares of our Common Stock to the 2015 ESPP's initial share reserve are essential to our continued success. We expect the 2015 ESPP to constitute an important incentive for employees of the Company and to help us to attract, retain and motivate people whose skills and performance are critical to our success. Our employees are one of our most valuable assets. We strongly believe that the 2015 ESPP and the initial share reserve are essential for us to compete for talent in the very difficult labor markets in which we operate.

Required Vote and Board of Directors Recommendation

The approval of the 2015 ESPP and its initial share reserve requires the affirmative vote of a majority of the shares present in person or represented by proxy at the Annual Meeting. Abstentions will have the same effect as negative votes. Broker non-votes are counted towards a quorum, but are not counted for any purpose in determining whether this matter has been approved. The 2015 ESPP will not be effective if our stockholders do not vote FOR its approval.

THE BOARD OF DIRECTORS RECOMMENDS THAT

STOCKHOLDERS VOTE *FOR* APPROVAL OF THE

**COMPANY'S 2015 EMPLOYEE STOCK PURCHASE PLAN AND TO AUTHORIZE 500,000 SHARES TO BE RESERVED FOR
ISSUANCE THEREUNDER**

FORWARD-LOOKING STATEMENTS

This proxy statement, including the section entitled "Compensation Discussion and Analysis" set forth below, contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, Section 21E of the Exchange Act and the Private Securities Litigation Reform Act of 1995. These statements are based on our current expectations and involve risks and uncertainties, which may cause results to differ materially from those set forth in the statements. These forward-looking statements reflect management's current expectations concerning future results and events and can generally be identified by the use of words such as "may," "will," "should," "could," "would," "potential," "continue," "future," "estimate," "believe," "expect," "anticipate," "assume," "intend," "plan," and other similar words or phrases, as well as the future tense. Without limiting the generality of the foregoing, forward-looking statements contained in this proxy statement include statements relating to compensation plans, strategies, objectives and our anticipated financial and operational performance. Except as required by law, we undertake no obligation to publicly update any forward-looking statement, whether as a result of new information, future events or otherwise. Forward-looking statements should be evaluated together with the many risks and uncertainties that affect our business, including those set forth in the risk factors in Item 1A of our Annual Report on Form 10-K for the fiscal year ended December 31, 2014, as filed with the SEC.

SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table sets forth, as of February 27, 2015, certain information with respect to the beneficial ownership of Common Stock by:

any person (including any group as that term is used in Section 13(d)(3) of the Exchange Act), known by us to be the beneficial owner of more than 5% of our voting securities,

each director and each nominee for director to the Company,

each of the executive officers named in the Summary Compensation Table appearing herein, and

all such executive officers, directors and nominees for director of the Company as a group.

The number and percentage of shares beneficially owned are based on the aggregate of 38,674,892 shares of Common Stock outstanding as of February 27, 2015, adjusted as required by the rules promulgated by the SEC. We do not know of any arrangements, including any pledge by any person of our securities, the operation of which may at a subsequent date result in a change of control of the Company.

| Name and Address of Beneficial Owner | Number of Shares | Percent of Common Stock Outstanding |
|--|------------------|-------------------------------------|
| 5% Stockholders: | | |
| Entities affiliated with FMR, LLC(1) 245 Summer Street Boston, MA 02210 | 3,755,596 | 9.5% |
| Eastern Capital Limited(2) P.O. Box 31363 Grand Cayman KY1-1206, Cayman Islands | 3,607,529 | 9.2% |
| Entities affiliated with Biotechnology Value Fund, L.P.(3) 900 North Michigan Avenue, Suite 1100 Chicago, IL 60611 | 3,364,152 | 8.5% |
| Entities affiliated with Lansdowne Partners Limited Partnership(4) 15 Davies Street London W1K 3AG England | 2,848,181 | 7.3% |
| Entities affiliated with BlackRock, Inc.(5) 40 East 52 nd Street New York, NY 10022 | 2,775,949 | 7.2% |
| Entities affiliated with Deerfield(6) 780 Third Avenue, 37 th Floor New York, NY 10017 | 2,416,769 | 5.9% |
| Astellas Pharma, Inc.(7) 5-1, Nihonbashi-Honcho 2-chome | 2,040,816 | 5.3% |

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Chuo-ku, Tokyo 103-8411

| | | |
|--|-----------|------|
| Japan | | |
| Amgen Inc.(8) | 1,984,901 | 5.1% |
| One Amgen Center Drive | | |
| Thousand Oaks, CA 91320 | | |
| Executive Officers and Directors: | | |
| Robert I. Blum(9) | 474,694 | 1.2% |
| Sharon A. Barbari(10) | 221,544 | * |
| Bonnie A. Charpentier, Ph.D.(11) | 17,083 | * |
| David W. Cragg(12) | 129,455 | * |
| Fady I. Malik, M.D., Ph.D.(13) | 126,481 | * |
| Andrew A. Wolff, M.D., F.A.C.C.(14) | 185,555 | * |
| Santo J. Costa(15) | 27,497 | * |
| L. Patrick Gage, Ph.D.(16) | 124,359 | * |
| Denise M. Gilbert, Ph.D.(17) | 31,664 | * |
| John T. Henderson, M.B., Ch.B.(18) | 88,355 | * |
| B. Lynne Parshall, Esq.(19) | 32,141 | * |
| Sandford D. Smith(20). | 45,778 | * |
| Wendell Wierenga, Ph.D.(21) | 42,001 | * |
| All directors and named executive officers as a group (13 persons) | 1,546,607 | 3.9% |

* Represents beneficial ownership of less than one percent (1%) of the outstanding shares of Common Stock.

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- (1) Based on a Schedule 13G filed with the SEC on February 13, 2015. Represents: 3,755,596 shares of Common Stock held by FMR LLC which includes 1,050,500 shares of Common Stock underlying warrants exercisable as of February 27, 2015.
- (2) Based on a Schedule 13G filed with the SEC on February 13, 2015. Represents: (a) 3,607,529 shares of Common Stock held by Eastern Capital Limited which includes 723,684 shares of Common Stock underlying warrants exercisable as of February 27, 2015.
- (3) Based on a Schedule 13G filed with the SEC on February 17, 2015. Represents: (a) 1,550,980 shares of Common Stock held by Biotechnology Value Fund, L.P which includes 421,602 shares of Common Stock underlying warrants exercisable as of February 27, 2015; (b) 811,003 shares of Common Stock held by Biotechnology Value Fund II, L.P. which includes 225,379 shares of Common Stock underlying warrants exercisable as of February 27, 2015; (c) 565,519 shares of Common Stock held by MSA BVF SPV, LLC which includes 152,481 shares of Common Stock underlying warrants exercisable as of February 27, 2015 and (d) 436,650 shares of Common Stock held by Investment 10, LLC which includes 121,590 shares of Common Stock underlying warrants exercisable as of February 27, 2015.
- (4) Based on a Schedule 13F filed with the SEC on May 14, 2014. Represents: (a) 2,505,957 shares of Common Stock held by Lansdowne Developed Markets Master Fund Limited which includes 526,316 shares of Common Stock underlying warrants exercisable as of February 27, 2015; and (b) 342,224 shares of Common Stock held by Lansdowne Partners Austria GMBH.
- (5) Based on a Schedule 13G/A filed with the SEC on January 26, 2015. BlackRock, Inc. disclaims beneficial ownership of the shares of Common Stock held by the Company.
- (6) Based on a Schedule 13G filed with the SEC on February 14, 2014. Represents: (a) 326,766 shares of Common Stock held by Deerfield Partners, L.P comprised of underlying warrants exercisable as of February 27, 2015; (b) 433,134 shares of Common Stock held by Deerfield International Master Fund, L.P. comprised of underlying warrants exercisable as of February 27, 2015; (c) 149,623 shares of Common Stock held by Deerfield Special Situations Fund Limited comprised of underlying warrants exercisable as of February 27, 2015; (d) 223,312 shares of Common Stock held by Deerfield Special Situations International Master Fund, L.P. comprised of underlying warrants exercisable as of February 27, 2015; (e) 598,342 shares of Common Stock held by Deerfield Private Design Fund II, L.P comprised of underlying warrants exercisable as of February 27, 2015 and (f) 685,592 shares of Common Stock held by Deerfield Private Design International II, L.P. comprised of underlying warrants exercisable as of February 27, 2015.
- (7) Based on a Schedule 13G filed with the SEC on December 26, 2014.
- (8) Based on a Schedule 13D/A filed with the SEC on March 6, 2014.
- (9) Represents: (a) 3,276 shares of Common Stock held by Mr. Blum; (b) 2,083 shares of Common Stock held by the Brittany Blum 2003 Irrevocable Trust; (c) 2,083 shares of Common Stock held by the Bridget Blum 2003 Irrevocable Trust; and (d) 467,252 shares of Common Stock underlying options granted to Mr. Blum that are exercisable within 60 days of February 27, 2015. Mr. Blum disclaims beneficial ownership of the shares of Common Stock held by the trusts.
- (10) Represents: (a) 25,402 shares of Common Stock held by the Barbari Family Trust; and (b) 196,142 shares of Common Stock underlying options granted to Ms. Barbari that are exercisable within 60 days of February 27, 2015.
- (11) Represents: 17,083 shares of Common Stock underlying options granted to Dr. Charpentier that are exercisable within 60 days of February 27, 2015.

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- (12) Represents: (a) 16,890 shares of Common Stock held by Mr. Cragg; and (b) 112,565 shares of Common Stock underlying options granted to Mr. Cragg that are exercisable within 60 days of February 27, 2015.

- (13) Represents: (a) 3,361 shares of Common Stock held by Dr. Malik; and (b) 123,120 shares of Common Stock underlying options granted to Dr. Malik that are exercisable within 60 days of February 27, 2015.

- (14) Represents: (a) 21,261 shares of Common Stock held by Dr. Wolff; and (b) 164,294 shares of Common Stock underlying options granted to Dr. Wolff that are exercisable within 60 days of February 27, 2015.
- (15) Represents: 27,497 shares of Common Stock underlying options granted to Mr. Costa that are exercisable within 60 days of February 27, 2015.
- (16) Represents (a) 10,850 shares of Common Stock held by Dr. Gage; and (b) 113,509 shares of Common Stock underlying options granted to Dr. Gage that are exercisable within 60 days of February 27, 2015.
- (17) Represents 31,664 shares of Common Stock underlying options granted to Dr. Gilbert that are exercisable within 60 days of February 27, 2015.
- (18) Represents (a) 250 shares of Common Stock held by Dr. Henderson; (b) 83 shares held by Dr. Henderson's spouse; and (c) 88,022 shares of Common Stock underlying options granted to Dr. Henderson that are exercisable within 60 days of February 27, 2015. Dr. Henderson disclaims beneficial ownership of the shares of Common Stock held by his spouse.
- (19) Represents: 32,141 shares of Common Stock underlying options granted to Ms. Parshall that are exercisable within 60 days of February 27, 2015.
- (20) Represents: 45,778 shares of Common Stock underlying options granted to Mr. Smith that are exercisable within 60 days of February 27, 2015.
- (21) Represents: 42,001 shares of Common Stock underlying options granted to Dr. Wierenga that are exercisable within 60 days of February 27, 2015.

Except as otherwise noted above, the address of each person listed on the table is c/o Cytokinetics, Incorporated, 280 East Grand Avenue, South San Francisco, CA 94080.

We do not have a policy for stock ownership guidelines for members of the Board of Directors or executive officers.

BOARD OF DIRECTORS

Our Board of Directors is composed of individuals whose knowledge, background, experience and judgment we believe to be valuable to the Company. The primary functions of our Board of Directors are to:

Review and approve our strategic direction and annual operating plan and monitor our performance;

Evaluate the President and Chief Executive Officer;

Review management performance and compensation;

Review management succession planning;

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Advise and counsel management;

Monitor and manage potential conflicts of interests of management, board members and stockholders;

Oversee the integrity of financial information; and

Monitor the effectiveness of the governance practices under which the Board of Directors operates and make changes as needed.

We do not have a formal diversity policy for selecting Board of Directors members. However, we believe it is important that the members of our Board of Directors collectively bring the experiences and skills appropriate to effectively carry out the Board of Directors' responsibilities both as our business exists today and as we plan to develop an organization capable of successfully conducting late-stage clinical development and commercialization of our products. We therefore seek as members of our Board of Directors individuals with a variety of perspectives and the expertise and ability to provide advice and oversight in one or more of these areas: accounting controls, business strategy, risk management, strategic partnering, financial engineering, legal and regulatory compliance and compensation and retention practices.

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The following table sets forth in alphabetical order the names of each member of our Board of Directors and their ages and present positions with us as of March 30, 2015.

| Name | Age | Position |
|---|-----|--|
| Robert I. Blum | 51 | President and Chief Executive Officer; Class II Director |
| Santo J. Costa(2)(3) | 69 | Class III Director |
| L. Patrick Gage, Ph.D.(2)(3)(4) | 72 | Chairman of the Board of Directors; Class I Director |
| Denise M. Gilbert, Ph.D.(1) | 57 | Class II Director |
| John T. Henderson, M.B., Ch.B.(1)(2)(4) | 70 | Class III Director |
| B. Lynne Parshall, Esq.(1)(2) | 61 | Class III Director |
| Sandford D. Smith(3) | 68 | Class II Director |
| Wendell Wierenga, Ph.D.(3)(4) | 67 | Class I Director |

(1) Member of the Audit Committee.

(2) Member of the Nominating and Governance Committee.

(3) Member of the Compensation and Talent Committee.

(4) Member of the Science and Technology Committee.

Robert I. Blum was appointed as our President and Chief Executive Officer and as a member of our Board of Directors in January 2007. Previous to that appointment, Mr. Blum served as our President from February 2006 to January 2007. He served as our Executive Vice President, Corporate Development and Commercial Operations and Chief Business Officer from September 2004 to February 2006. From January 2004 to September 2004, he served as our Executive Vice President, Corporate Development and Finance and Chief Financial Officer. From October 2001 to December 2003, he served as our Senior Vice President, Corporate Development and Finance and Chief Financial Officer. From July 1998 to September 2001, Mr. Blum was our Vice President, Business Development. Prior to joining us in July 1998, he was Director, Marketing at COR Therapeutics, Inc. since 1996. From 1991 to 1996, he was Director, Business Development at COR Therapeutics. Prior to that, Mr. Blum performed roles of increasing responsibility in sales, marketing and other pharmaceutical business functions at Marion Laboratories, Inc. and Syntex Corporation. Mr. Blum received B.A. degrees in Human Biology and Economics from Stanford University and an M.B.A. from Harvard Business School.

Mr. Blum brings to our Board of Directors a deep familiarity with our operations, strategy and vision, as well as a record of successful corporate management, strategic partnering and financing.

Santo J. Costa has served as a member of our Board of Directors since November 2010. Since 2007, Mr. Costa has served as Of Counsel to the law firm of Smith, Anderson, Blount, Dorsett, Mitchell and Jernigan, L.L.P. of Raleigh, North Carolina, specializing in corporate law for healthcare companies. From 1994 to 2001, he held various positions at Quintiles Transnational Corporation, including as Vice Chairman, President and Chief Operating Officer. Prior to joining Quintiles, Mr. Costa spent 23 years in the pharmaceutical industry, most recently as General Counsel and Senior Vice President, Administration with Glaxo Inc. Prior to joining Glaxo, he served as U.S. Area Counsel with Merrell Dow Pharmaceuticals and as Food & Drug Counsel with Norwich Eaton Pharmaceuticals. Mr. Costa has served as Chairman of the Board of Alchemia Limited, a biopharmaceutical company, since March 2014. He served on the Board of Directors of Magor Corporation, formerly Biovest Corp. I, from March 2010 until March 2013. He served as Chairman of the Board of LaboPharm, Inc. from 2006 to 2011, a director of CV Therapeutics from 2001 to 2009, and a director of OSI Pharmaceuticals from 2006 to 2010, as well as serving as a director at other private companies. Mr. Costa earned both a B.S. in Pharmacy and a J.D. from St. John's University.

Mr. Costa brings to our Board of Directors broad operational leadership experience in the pharmaceutical and clinical services industries, including relevant legal, regulatory, governance and policy expertise. He also has extensive experience as a public company executive and board member in the pharmaceutical and biotechnology industries.

L. Patrick Gage, Ph.D. has served as a member of our Board of Directors since November 2009 and as Chairman of the Board of Directors since March 2010. Since July 2002, Dr. Gage has served as a consultant to the biopharmaceutical industry, including serving as an advisor to venture capital firms. From 1998 to 2002, Dr. Gage was President of Wyeth Research and subsequently also Senior Vice President, Science and Technology. From 1989 to 1998, he held roles of increasing responsibility at Genetics Institute, Inc., first as head of Research and Development, then as Chief Operating Officer and eventually as President. From 1971 to 1989, Dr. Gage held various positions in research management with Hoffmann-La Roche Inc., most recently serving as Vice President responsible for U.S. drug discovery. Dr. Gage has served as the Chairman of the Board of Directors of Tetrphase Pharmaceuticals since April 2013. Dr. Gage served on the Board of Directors of Neose Technologies from 2002 through 2009, and as the Chairman of its Board of Directors from 2006 through 2009. He served on PDL BioPharma, Inc.'s Board of Directors from 2003 through 2008, as the Chairman of its Board of Directors in 2007, and as its Interim Chief Executive Officer from 2007 through 2008. Dr. Gage earned a bachelor's degree in Physics from the Massachusetts Institute of Technology and a Ph.D. in Biophysics from the University of Chicago.

Dr. Gage brings to our Board of Directors extensive experience as a public company executive and board member in the pharmaceutical and biotechnology industries and in strategies for bringing breakthrough medicines to approval and commercialization.

Denise M. Gilbert, Ph.D. has served as a member of our Board of Directors since May 2008. From 2001 to 2002, she served as Chief Executive Officer of Entigen Corporation, a private life science information technology company. From 1995 to 1999, Dr. Gilbert served as Chief Financial Officer and Executive Vice President of Incyte Pharmaceuticals (now Incyte Corporation). From 1993 to 1995, Dr. Gilbert was Chief Financial Officer and Executive Vice President of Affymax Inc. From 1986 through 1993, Dr. Gilbert was a Managing Director and senior biotechnology analyst at Smith Barney Harris & Upham and Vice President and biotechnology analyst at Montgomery Securities. Dr. Gilbert has served on the Board of Directors of Dynavax Technologies Corporation since 2004, and on the Board of Directors of KaloBios Pharmaceuticals, Inc., since 2006. Dr. Gilbert holds a B.S. from Cornell University and a Ph.D. in Cell and Developmental Biology from Harvard University.

Dr. Gilbert brings to our Board of Directors broad experience in leading and advising developing life sciences companies, and in implementing and overseeing financial systems and controls and creating financing and strategic partnering opportunities for these companies.

Dr. Gilbert has notified the Company that she will not stand for re-election at the Annual Meeting and will not serve on our Board of Directors following the Annual Meeting.

John T. Henderson, M.B., Ch.B. has served as a member of our Board of Directors since February 2009. Since December 2000, Dr. Henderson has served as a consultant to the pharmaceutical industry as president of Futurepharm LLC. Until his retirement in December 2000, Dr. Henderson was with Pfizer Inc. for over 25 years, most recently as a Vice President in the Pfizer Pharmaceuticals Group. Dr. Henderson previously held Vice Presidential level positions with Pfizer in Research and Development in Europe and later in Japan. He was also Vice President, Medical for Pfizer's Europe, U.S. and International Pharmaceuticals groups. Dr. Henderson has served on the Board of Directors of Myriad Genetics, Inc., a healthcare diagnostics company, since 2004, and has served as the Chairman of Myriad's Board of Directors since April 2005. He served on the Board of Directors of Myrexix, Inc. (formerly Myriad Pharmaceuticals, Inc.) from June 2009 until January 2013. He also serves as the chairman of the Board of Directors of a privately held pharmaceutical research and development company. Dr. Henderson earned his bachelor's of science and medical degrees from the University of Edinburgh and is a Fellow of the Royal College of Physicians (Ed.) and the Faculty of Pharmaceutical Medicine.

Dr. Henderson brings to our Board of Directors broad experience in matters relating to global pharmaceutical drug development in a wide range of therapeutic areas and stages of business development, and an extensive background as a public company executive, board member and consultant in the pharmaceutical industry.

B. Lynne Parshall, Esq. has served as a member of our Board of Directors since February 2013. Ms. Parshall currently serves on the Board of Directors and as the Chief Operating Officer of Isis Pharmaceuticals, Inc. She has held various positions of increasing responsibilities at Isis since 1991. Prior to joining Isis, Ms. Parshall was a partner at the law firm of Cooley Godward LLP. From July 2005 to August 2009, Ms. Parshall also served as a member of the Board of Directors of Cardiodynamics International Corporation. Ms. Parshall has served as a member of the Board of Directors of Regulus Therapeutics Inc. since January 2009. Ms. Parshall is a member of the Licensing Executives Society and a member of the American, California, and San Diego bar associations. Ms. Parshall holds a J.D. from Stanford Law School, California and B.A. from Harvard University, Massachusetts.

Ms. Parshall brings to our Board of Directors extensive operational and business development experience, particularly in the advancement and funding of potential products directed to specialty care and orphan drug designated indications.

Sandford D. Smith has served as a member of our Board of Directors since March 2012. Since December 2011, Mr. Smith has served as Founder and Chairman of Global Biolink Partners. From 1996 to 2011, Mr. Smith held various positions at Sanofi-Genzyme (formerly Genzyme Corporation), most recently leading the integration of Genzyme's international business into Sanofi's global organization. Prior to that, he served as Executive Vice President of Genzyme Corporation, and President of Genzyme International. From 1986 to 1996, Mr. Smith was President, Chief Executive Officer and a member of the Board of Directors of RepliGen Corporation. From 1977 to 1985, Mr. Smith held various positions at Bristol-Myers Squibb, most recently serving as Vice President of Business Development and Strategic Planning for the Pharmaceutical and Nutritional Division. Mr. Smith has served on the Board of Directors of Aegerion Pharmaceuticals, Inc. since January 2012, the Board of Directors of Neuralstem, Inc. and Arpicus Biosciences, Inc. since May and August 2014, respectively. He served on the Board of Directors of NVenta Biopharmaceuticals Corporation from 2007 to 2009. Mr. Smith earned a bachelor's degree from the University of Denver.

Mr. Smith brings to our Board of Directors broad experience in matters relating to the launch and commercialization of new drugs in a wide range of therapeutic areas, and in particular drugs targeting rare disease indications. He also has extensive experience as a public company executive and board member in the pharmaceutical and biotechnology industries.

Wendell Wierenga, Ph.D. has served as a member of our Board of Directors since February 2011. From June 2011 to January 2014, Dr. Wierenga served as Executive Vice President, Research and Development, at Santarus, Inc. From 2006 to 2011, he served as Executive Vice President, Research and Development, at Ambit Biosciences Corporation. From 2003 to 2006, he served as Executive Vice President of Research and Development at Neurocrine Biosciences, Inc. From 2000 to 2003, Dr. Wierenga served as Chief Executive Officer of Syrrx, Inc. (now part of Takeda Pharmaceutical Company). From 1990 to 2000, he was Senior Vice President of Worldwide Pharmaceutical Sciences, Technologies and Development at Parke-Davis/Warner Lambert (now Pfizer, Inc.) Prior to that, Dr. Wierenga spent 16 years at Upjohn Pharmaceuticals in research and drug discovery roles, most recently as Executive Director of Discovery Research. Dr. Wierenga has served on the Board of Directors of XenoPort, Inc. since 2001, the Board of Directors of Ocera Therapeutics, Inc. since December 2013, the Board of Directors of Apricus Biosciences, Inc. and Concert Pharmaceuticals, Inc. since March 2014 and on the Board of Directors of Anacor Pharmaceuticals, Inc. since September 2014. Dr. Wierenga also served on the Board of Directors of Onyx Pharmaceuticals, Inc. from 1996 to 2013. Dr. Wierenga holds a B.A. from Hope College and a Ph.D. in Chemistry from Stanford University.

Dr. Wierenga brings to our Board of Directors over thirty years of experience in matters relating to pharmaceutical drug discovery and development in a wide range of therapeutic areas, and an extensive background as a public company executive and board member in the pharmaceutical and biotechnology industries.

Board Leadership Structure

Our Board of Directors does not have a policy on whether the same person should serve as both the Chief Executive Officer and Chairman of the Board or, if the roles are separate, whether the Chairman should be selected from the non-employee directors or should be an employee. The Board of Directors believes that it should have the flexibility to make these determinations in the way that it believes best provides appropriate leadership for us at a given time.

The Board believes that its current leadership structure, with Mr. Blum serving as Chief Executive Officer and Dr. Gage serving as Chairman, is appropriate for us at this time. Both leaders are actively engaged on significant matters affecting us, such as long-term strategy. The Chief Executive Officer has overall responsibility for all aspects of our operations, while the Chairman has a greater focus on governance of the Company, including oversight of the Board of Directors. We believe this balance of shared leadership between the two positions is a strength for us.

Board Role in Risk Oversight

The role of our Board of Directors is to oversee the President and Chief Executive Officer and other senior management in the competent, lawful and ethical operation of the Company, including management's establishment and implementation of appropriate practices and policies with respect to areas of potentially significant risk to us. The Board as a whole is responsible for such risk oversight, but administers certain of its risk oversight functions through its committees, such as the Audit Committee, the Compensation and Talent Committee and the Nominating and Governance Committee.

The Audit Committee is responsible for the oversight of our accounting and financial reporting processes, including our internal control systems. In addition, the Audit Committee oversees and reviews our financially related risk management practices, including our investment policy. At least quarterly, management reports to the Board of Directors and Audit Committee on our significant risk areas, as identified by management. These reports include discussions of current and new areas of potential operational, legal or financial risk and status reports on risk mitigation programs undertaken by us.

As part of the of the Compensation and Talent Committee's risk oversight function, it considers whether our compensation policies and practices for our employees create risks that are reasonably likely to have a material adverse effect on us. In conducting this evaluation, the Compensation and Talent Committee has reviewed our current practices and procedures for awarding cash and equity compensation to employees through the annual performance review process, particularly as such practices and procedures apply to the establishment of the goals that are taken into consideration in the payment of bonuses. The Compensation and Talent Committee has determined that these practices do not encourage inappropriate risk-taking. In particular, because we are a development-stage company with no commercial sales, the Compensation and Talent Committee has concluded that our employees are not incentivized to take inappropriate risks to meet short-term goals, such as quarterly earnings or sales projections. Further, the Compensation and Talent Committee believes that there is sufficient Board of Director oversight of our processes for compensation determinations to avoid the establishment of incentives that are materially adverse to our interests. Accordingly, the Compensation and Talent Committee has determined that our compensation policies at this time do not create risks that are reasonably likely to have a material adverse effect on the Company.

The Nominating and Governance Committee oversees the risks associated with our corporate governance and operating practices, including those relating to the composition of Board of Directors, the structure and function of Board committees, and meeting logistics and policies. The Nominating and Governance Committee regularly reviews issues and developments relating to corporate governance and formulates and recommends corporate governance standards to the Board of Directors.

Independence of Directors

Each of our directors is independent as defined under the Nasdaq listing standards, except for Robert I. Blum, our President and Chief Executive Officer, who is not independent by virtue of his employment with the Company.

There is no family relationship between any director and executive officer of the Company.

Board of Directors Meetings and Committees

Our Board of Directors held ten meetings during the fiscal year ended December 31, 2014. Each of the directors serving during fiscal year 2014 attended at least 75% of the aggregate of all meetings of the Board of Directors and the committees of the Board of Directors upon which such director served during his or her tenure. The Board of Directors has a standing Audit Committee, a Compensation and Talent Committee, a Nominating and Governance Committee and a Science and Technology Committee.

Audit Committee. The Audit Committee consists of directors Denise M. Gilbert, John T. Henderson and B. Lynne Parshall. All members of the Audit Committee are independent (as independence is currently defined in Rules 5605(c)(2)(A)(i) and (ii) of the Nasdaq listing standards). The Board of Directors has determined that Denise M. Gilbert is an audit committee financial expert as defined in the SEC rules, based on her past experience as a Chief Financial Officer of two life science companies. The Board of Directors has also determined that B. Lynne Parshall is an audit committee financial expert as defined in the SEC rules, based on her experience as a Chief Operating Officer of a life science company. The Audit Committee operates under a written charter adopted by the Board of Directors. We maintain a copy of the Audit Committee charter on our website, www.cytokinetics.com. The information found on our website is not part of this or any other report filed with or furnished to the SEC.

The Audit Committee reviews our critical accounting policies and practices, consults with and reviews the services provided by our independent registered public accounting firm and selects our independent registered public accounting firm.

The Audit Committee held nine meetings during fiscal year 2014. As described elsewhere in this proxy statement, Dr. Gilbert has notified the Company that she will not serve on our Board of Directors following the Annual Meeting. The Company currently anticipates that Sandford D. Smith will be appointed to the Audit Committee to replace Dr. Gilbert.

Compensation and Talent Committee. The Compensation and Talent Committee consists of directors Santo J. Costa, L. Patrick Gage, Sandford D. Smith and Wendell Wierenga. All of the members of the Compensation and Talent Committee are independent (as independence is currently defined in Rule 5605(a)(2) of the Nasdaq listing standards) and Rule 5605(d)(2), as applied to compensation committee members. The Board of Directors has adopted a written charter for the Compensation and Talent Committee. We maintain a copy of the Compensation and Talent Committee charter on our website, www.cytokinetics.com.

The Compensation and Talent Committee reviews and approves the salaries and incentive compensation of our executive officers and administers our stock plans and employee benefit plans. The Compensation and Talent Committee, in consultation with the third-party executive compensation consultant and discussion with management, forms its own recommendations for all executive compensation (base salary, bonus, equity and other benefits) and director compensation. All new hire stock option grants to employees above the senior director level, including our executive officers, are approved by the Compensation and Talent Committee. In addition, the Compensation and Talent Committee approves the annual stock option grants for all employees as part of the annual performance review process. The Compensation and Talent Committee has delegated to Robert I. Blum, as President and Chief Executive Officer, the authorization to approve new hire stock option

grants, within pre-approved new hire grant guidelines, for new hires at or below the senior director level. Further discussion of the role and function of our Compensation and Talent Committee can be found in the section below entitled Compensation Discussion and Analysis.

The Compensation and Talent Committee engages the services of nationally recognized third-party professional executive compensation consulting firms to assist in benchmarking data from competitive peer group companies. The Compensation and Talent Committee engaged Radford Surveys + Consulting in 2013 and 2014 for this purpose.

The Compensation and Talent Committee held six meetings during fiscal year 2014.

Nominating and Governance Committee. The Nominating and Governance Committee consists of directors Santo J. Costa, L. Patrick Gage, John T. Henderson, and B. Lynne Parshall. All members of the Nominating and Governance Committee are independent (as independence is currently defined in Rule 5605(a)(2) of the Nasdaq listing standards). The Board of Directors has adopted a written charter for the Nominating and Governance Committee. We maintain a copy of the Nominating and Governance Committee charter on our website, www.cytokinetics.com.

The Nominating and Governance Committee assists the Board of Directors in identifying qualified persons to serve as directors, evaluates all proposed director nominees, evaluates incumbent directors before recommending renomination, and recommends approved candidates to the Board of Directors for appointment or renomination to Company stockholders. The Nominating and Governance Committee also regularly reviews issues and developments relating to corporate governance and formulates and recommends corporate governance standards to the Board of Directors. If there is a change in a director's employment, the Nominating and Governance Committee evaluates and makes a recommendation to the Board of Directors as to whether the potential termination of the director is appropriate.

The Nominating and Governance Committee has used Levin & Associates, and intends to use in the future other executive recruiting firms to assist in the identification and evaluation of qualified candidates to join the Board of Directors.

The Nominating and Governance Committee held three meetings during fiscal year 2014.

To date, the Nominating and Governance Committee has not established a policy for considering candidates for director nominated by our stockholders, and will consider director candidates nominated by stockholders on a case-by-case basis, as appropriate. Because those candidates will receive substantially the same consideration that candidates recommended by members of the Board of Directors receive, the Board of Directors believes that it is appropriate for the Company to not have a formal policy for considering such candidates at this time. Stockholders may nominate candidates for director in accordance with the advance notice and other procedures contained in our Bylaws.

Science and Technology Committee. Our Board of Directors established the Science and Technology Committee in September 2014. The Science and Technology Committee consists of directors L. Patrick Gage, John T. Henderson and Wendell Wierenga. All of the members of the Science and Technology Committee are independent (as independence is currently defined in Rule 5605(a)(2) of the Nasdaq listing standards). The Board of Directors has adopted a written charter for the Science and Technology Committee. We maintain a copy of the Science and Technology Committee charter on our website, www.cytokinetics.com.

The Science and Technology Committee provides guidance to management and the Board of Directors on emerging trends in healthcare, discovery research and clinical development, and reviews and advises management and the Board of Directors on the overall strategic direction and investment in the Company's research, development and technology programs. The Science and Technology Committee regularly reviews

research programs and progress against goals, assesses the capabilities of key scientific and medical personnel and the depth and breadth of the scientific resources available to the Company, as well as reviewing and advising on regulatory strategy.

The Science and Technology Committee held two meetings during fiscal year 2014.

We do not have a formal policy regarding stockholder communication with the Board of Directors. However, our stockholders may communicate directly with the Board of Directors in writing, addressed to:

Board of Directors

c/o Corporate Secretary

Cytokinetics, Incorporated

280 East Grand Avenue

South San Francisco, California 94080

or by email to: *investor@cytokinetics.com*

The Corporate Secretary will review each stockholder communication. The Corporate Secretary will forward to the entire Board of Directors (or to members of a Board of Directors committee, if the communication relates to a subject matter clearly within that committee's area of responsibility) each communication that relates to our business or governance, is not offensive, is legible in form and reasonably understandable in content, and does not merely relate to a personal grievance against us or an individual or the purpose of which is to further a personal interest not shared by the other stockholders generally. Stockholders who would like their submissions directed to an individual member of the Board of Directors may so specify, and the communication will be forwarded, as appropriate.

We do not have formal policies regarding attendance by members of the Board of Directors at our annual meetings of stockholders. Robert I. Blum and L. Patrick Gage attended the 2014 Annual Meeting of Stockholders.

EXECUTIVE OFFICERS

The following table sets forth in alphabetical order the names of our executive officers and their ages and present positions with us as of March 30, 2015:

| Name | Age | Position |
|---------------------------------|------------|---|
| Robert I. Blum | 51 | President and Chief Executive Officer |
| Sharon A. Barbari | 60 | Executive Vice President, Finance and Chief Financial Officer |
| Bonnie A. Charpentier, Ph.D. | 63 | Senior Vice President, Regulatory Affairs and Compliance |
| David W. Cragg | 59 | Senior Vice President, Human Resources |
| Fady I. Malik, M.D., Ph.D. | 50 | Senior Vice President, Research and Development |
| Andrew A. Wolff, M.D., F.A.C.C. | 60 | Senior Vice President and Chief Medical Officer |

Robert I. Blum's biography is set forth under Board of Directors above.

Sharon A. Barbari has served as our Executive Vice President of Finance and Chief Financial Officer since July 2009. She served as our Senior Vice President of Finance and Chief Financial Officer from September 2004 through June 2009. From September 2002 to August 2004, she served as Chief Financial Officer and Senior Vice President of Finance and Administration of InterMune, Inc. From January 1998 to June 2002, she served at Gilead Sciences, Inc., most recently as Vice President and Chief Financial Officer. From 1996 to 1998, she served as Vice President, Strategic Planning at Foote, Cone & Belding Healthcare in San Francisco, an international advertising and marketing firm. From 1972 to 1995, she was employed by Syntex Corporation where she held various management positions in corporate finance, financial planning, marketing and commercial planning. Ms. Barbari has served on the Board of Directors of Oculus Innovative Sciences, Inc., a global healthcare company, since March 2014. Ms. Barbari received a B.S. in Accounting from San Jose State University.

Bonnie A. Charpentier, Ph.D. joined the Company in January 2014 as our Senior Vice President of Regulatory Affairs and Compliance. Prior to joining the Company, Dr. Charpentier served as Vice President of Regulatory and Quality at CymaBay Therapeutics, Inc. (formerly Metabolex, Inc.) where she provided strategic regulatory leadership from May 2007 to January 2014. From 2001 to 2006 she served as Vice President of Regulatory and Quality at Genitope Corp. From 1995 to 2001, she held regulatory positions at Roche Global Development, a division of F. Hoffman-La Roche Ltd., including serving as Vice President and Regulatory Site Head in Palo Alto, CA. From 1991 to 1995 she held regulatory positions of increasing responsibility at Syntex Corporation. Dr. Charpentier obtained her Ph.D. in Biology from the University of Houston.

David W. Cragg has served as our Senior Vice President, Human Resources since July 2009. He served as our Vice President of Human Resources from February 2005 through June 2009. From October 2000 until January 2005, Mr. Cragg managed his own human resources consulting practice. From March 2000 until its acquisition in September 2000 by Yahoo!, Inc., he was Vice President, Human Resources for eGroups Inc., an Internet email management company. Prior to October 2000, Mr. Cragg was a Principal Human Resources Consultant at Genentech, Inc. Mr. Cragg received a B.A. in Industrial Psychology from the University of California, Santa Cruz.

Fady I. Malik, M.D., Ph.D., has served as our Senior Vice President of Research and Development since August 2014. Dr. Malik served as our Senior Vice President of Research and Early Development from June 2012 to August 2014. He has been with Cytokinetics since our inception in 1998, serving in a variety of roles, including Vice President, Biology from March 2008 to June 2012, all focused towards building our cardiovascular and muscle programs. Since 2000, Dr. Malik has held an appointment in the Cardiology Division of the University of California, San Francisco, where he is currently an Associate Clinical Professor and an

Attending Interventional Cardiologist at the San Francisco Veterans Administration Medical Center. Dr. Malik received a B.S. from the University of California at Berkeley, a Ph.D. from the University of California at San Francisco and his M.D. from the University of California at San Francisco.

Andrew A. Wolff, M.D., F.A.C.C. has served as our Senior Vice President and Chief Medical Officer since August 2014. Dr. Wolff served as our Senior Vice President of Clinical Research and Development and Chief Medical Officer from September 2004 to August 2014. From September 1994 until September 2004, Dr. Wolff held various positions of increasing responsibility at CV Therapeutics, most recently as Senior Vice President and Chief Medical Officer. From 1988 until 1994, he served in various drug development positions of increasing responsibility in both the United States and the United Kingdom for Syntex Corporation, most recently as the Executive Director of Medical Research and New Molecules Clinical Programs Leader. Since 1986, Dr. Wolff has held an appointment in the Cardiology Division of the University of California, San Francisco, where he is currently an Associate Clinical Professor, and is an Attending Cardiologist in the Coronary Care Unit at the San Francisco Veterans Administration Medical Center. Dr. Wolff received a B.A. in Chemistry and Biology from the University of Dayton and an M.D. from Washington University Medical School.

EXECUTIVE COMPENSATION

Compensation Discussion and Analysis

This Compensation Discussion and Analysis explains our compensation philosophy, policies and practices for 2014 for the following executives, who we refer to in this Compensation Discussion and Analysis and in the following tables as our named executive officers:

Robert I. Blum, President and Chief Executive Officer;

Sharon A. Barbari, Executive Vice President, Finance and Chief Financial Officer;

Bonnie A. Charpentier, Ph. D., Senior Vice President, Regulatory Affairs and Compliance;

David W. Cragg, Senior Vice President, Human Resources;

Fady I. Malik, M.D., Ph.D., Senior Vice President, Research and Development.

Executive Summary

We design our executive compensation program to provide a competitive compensation package that focuses on corporate and individual performance and long-term results, while maximizing retention.

The highlights of our 2014 executive compensation program include:

We provided merit salary increases to certain members of our executive team in 2014 and also granted merit salary increases to other non-executive employees in 2014 consistent with our past practices.

We provided a discretionary bonus designed to reward executives for achieving corporate goals and, except for our President and Chief Executive Officer, individual goals in their functional area.

Our equity program for our named executive officers consisted of stock options granted in February 2014 with exercise prices equal to 100% of the fair market value on the date of grant, each vesting monthly over four years based on continued service.

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We held our second advisory stockholder vote on executive compensation at our 2014 Annual Meeting. Approximately 97% of the shares voted were cast in favor of our executive compensation. The Compensation and Talent Committee of the Board of Directors, or the Committee, believes that this vote affirms our stockholders' support for the Company's compensation practices. After considering the outcome of the advisory vote, the Committee made no significant changes to the executive compensation program for 2015. We will hold our next advisory vote on executive compensation at our 2017 Annual Meeting.

Overview of Compensation Program

Compensation Philosophy and Objectives

The Committee works to structure our executive compensation program to reward achievement of our business goals, align the executive officers' interests with those of our stockholders and encourage our executives to build a sustainable biopharmaceutical company. The Committee seeks to ensure that we maintain our ability to attract and retain superior employees in key positions by providing our executives compensation that is competitive relative to the compensation paid to similarly situated executives in a defined group of peer companies and the broader marketplace from which we recruit and compete for talent. The Committee seeks to ensure that the total compensation paid to our executive officers is fair, reasonable, competitive and reflective of their performance and contributions toward corporate goals and objectives. To meet these objectives, we provide base salary, cash bonus opportunities, equity awards, broad-based employee benefits with limited prerequisites, and severance benefits upon a loss of position in connection with a change in control.

In determining the amount and form of these compensation elements, the Committee considers a number of factors, including:

compensation levels paid to similarly situated executives by our Peer Companies (as defined below), to attract and retain executives in a competitive market for talent;

corporate and individual performance, including performance in relation to our business plan, and execution of individual, team and company-wide strategic initiatives, to focus executives on achieving our business objectives;

the experiences and knowledge of our executives;

internal pay equity of the compensation paid to one executive officer as compared to another – that is, the compensation paid to each executive should reflect the importance of his or her role to the Company as compared to the roles of the other executives – to promote teamwork and contribute to retention, while recognizing that compensation opportunities should increase based on increased levels of responsibility among officers;

broader economic conditions, to ensure that our pay strategies account for how the larger economic environment impacts our business; and

the potential dilutive effect of equity awards on our stockholders.

Role of the Committee

The Committee is generally responsible for reviewing, modifying, approving and otherwise overseeing the compensation policies and practices applicable to all of our employees, including the administration of our equity plans and employee benefit plans. As part of its responsibilities, the Committee establishes and implements compensation decisions for our named executive officers and evaluates the success of those decisions in supporting the Company's compensation philosophy for our named executive officers. The Committee reports its decisions regarding executive compensation matters to the entire Board.

As part of its deliberations, in any given year, the Committee may review and consider materials such as Company financial reports, financial projections, operational data and stock performance data. The Committee also reviews information such as total compensation that may become payable to the named executive officers in various hypothetical scenarios, executive stock ownership information, analyses of historical executive compensation levels and current company-wide compensation levels and benchmarking data provided by the independent compensation consultant. The Committee also seeks input from the Committee's independent compensation consultant and our President and Chief Executive Officer.

Role of the Independent Compensation Consultant

The Committee retained Radford Surveys + Consulting, a division of Aon Consulting, Inc., or Radford, as its independent compensation consultant for compensation decisions in 2014. Pursuant to SEC rules, the Committee has assessed Radford's independence and concluded that no conflict of interest exists that would prevent Radford from independently advising the Committee.

For 2014, Radford provided the following services to the Committee:

reviewed and provided recommendations on the composition of our Peer Companies;

provided compensation data related to executives at our 2014 Peer Companies based on data from SEC filings and Radford's Life Science Survey;

conducted a competitive review of the compensation of our named executive officers, including advising on the design and structure of our equity incentive compensation program;

conducted a detailed assessment of Peer Companies Board of Directors compensation practices and developed a summary report of findings and recommendations, including advising on the design and structure of our equity incentive compensation program;

prepared an analysis of our share usage under our equity incentive plan in comparison to the 2014 Peer Companies based on data from SEC filings; and

made recommendations regarding the structure of our broad-based equity compensation program.

The Company pays for the costs of Radford's services. However, the Committee has the authority to engage and terminate Radford's services. Although Radford makes recommendations to the Committee, it has no authority to make compensation decisions on behalf of the Committee or the Company. Radford attends Committee meetings either in person or via conference call as deemed appropriate by the Committee Chair. The Company's management provides historical data, reviews reports for accuracy and interacts directly with Radford. The Committee, at its discretion, also communicates and meets separately with Radford.

Radford did not provide any other executive compensation services to the Company in 2014; however, the Company did engage Radford to provide survey data for our broader employee base to our management. The fee for these services in 2014 was less than \$15,000. The Committee approved of Radford providing these other non-executive compensation services as it determined that these services did not constitute a conflict of interest or prevent Radford from objectively performing its work for the Committee.

Role of Executive Officers in Compensation Decisions

For compensation decisions in 2014, our President and Chief Executive Officer aided the Committee by providing recommendations regarding the compensation of all executive officers other than himself. Each executive officer, with the exception of our President and Chief Executive Officer, participated in an annual performance review with our President and Chief Executive Officer to provide input about his or her contributions to the Company's goals and objectives for 2014. Our President and Chief Executive Officer participated in a similar review process, with respect to his own performance review, with a representative from the Board of Directors and Committee member. The Committee assessed the recommendations of our President and Chief Executive Officer (and, with respect to our President and Chief Executive Officer, the recommendations of the Board of Directors representative) in the context of each executive officer's performance. No executive officer participated directly in the Committee's final determinations regarding the amount of any component of his or her own 2014 compensation package.

Our Human Resources, Finance and Legal departments work with our President and Chief Executive Officer to design and develop compensation programs for our named executive officers, to recommend changes to existing compensation programs, to establish corporate and individual performance goals, to prepare peer data comparisons and other Committee briefing materials and ultimately to implement the

Committee s decisions.

Our Senior Vice President, Human Resources and our President and Chief Executive Officer meet separately with Radford to convey information on proposals that management may make to the Committee, as well as to assist Radford in collecting information about the Company to perform its duties for the Committee.

Benchmarking

The Committee believes it is important when making its compensation-related decisions to be informed as to current compensation practices of comparable publicly held companies in the life sciences industry. To obtain independent and expert advice on appropriate compensation, the Committee engages Radford to analyze the executive compensation practices of a number of comparable publicly held companies in the life sciences industry, or our Peer Companies. The Committee, in consultation with Radford, reviews and adjusts the list of Peer Companies annually to ensure that the list provides a current and useful comparison of companies for use as a means of comparing our executive compensation levels relative to the market.

The Committee approved the following Peer Companies for use in making compensation decisions in 2014:

| | | |
|-------------------------------|---------------------------------|---------------------------------|
| Amicus Therapeutics, Inc. | Infinity Pharmaceuticals, Inc. | Sangamo Biosciences, Inc. |
| Anacor Pharmaceuticals, Inc. | Neurocrine Biosciences, Inc. | Sunesis Pharmaceuticals, Inc. |
| Anthera Pharmaceuticals, Inc. | Omeros Corporation | Synta Pharmaceuticals, Inc. |
| Arqule, Inc. | OncoGenex Pharmaceuticals, Inc. | Targacept Pharmaceuticals, Inc. |
| Array Biopharma, Inc. | Orexigen Therapeutics, Inc. | Threshold Pharmaceuticals, Inc. |
| Geron Corporation | Peregrine Pharmaceuticals, Inc. | XenoPort, Inc. |
| GTx, Inc. | Rigel Pharmaceuticals, Inc. | Xoma Corporation |

Companies are evaluated and adjusted as appropriate for inclusion in these analyses based on business characteristics similar to ours. Potential companies are selected based on criteria that include business model, stage of development, market capitalization, year of initial public offering, employee headcount, research and development expenditures, cash reserves and revenue. The Committee selected the 2014 Peer Companies in November 2013. At the time of the determination, these companies had a market capitalization between \$66 million and \$721 million, had an employee head count between 23 and 200, and were generally at a comparable stage to us in the development of their lead drug candidate. The Committee determined that the foregoing selection criteria were appropriate for selecting the 2014 Peer Companies because at such time, Cytokinetics was a clinical stage biopharmaceutical company with a market capitalization of approximately \$208 million and 70 employees.

After the 2014 Peer Companies were selected, Radford prepared an extensive analysis of the compensation practices of the Peer Companies as reported in their proxy statements, and offered additional analysis based on the compensation practices of a broader group of life science companies (a subset of what is included in the Radford Life Science Survey).

The Committee reviewed the cash and equity components from these benchmarking analyses to set a total compensation package for each executive officer based on his or her past and anticipated contributions to the Company, current compensation package, compensation market trends for competitive positions, retention risks and overall Company performance. While benchmarking information alone is not sufficient for setting compensation, the Committee believes that considering this information is an important aspect of diligence in compensation-related decisions. Other factors, such as economic conditions, internal pay equity and individual negotiations may play an important role with respect to the compensation offered to an executive in any given year.

In general and in line with the Company's general compensation philosophy, when considering the Peer Company data, the Committee aims to provide target total cash and long-term equity compensation at or around the median of the compensation paid to similarly situated executives employed by the Peer Companies for target level performance, with compensation above this level possible for exceptional performance. To achieve this positioning for target levels of compensation, the Committee generally sets the various compensation elements as follows:

base salaries between the 50th and 75th percentile for comparable positions;

target cash bonus compensation at a level such that, when combined with base salary, the target total cash compensation is at or around the median for comparable positions; and

target long-term equity compensation at a level such that, when combined with target total cash compensation, target total cash and equity compensation is at or around the median for comparable positions.

The Committee believes that weighting compensation more heavily toward base salary, as compared to cash bonus and equity compensation, is appropriate, as discussed below under "Compensation Components - Base Salary".

Compensation Components

Base Salary. We provide base salary as a fixed source of compensation for our executive officers for the services they provide to us during the year and to balance the impact of having the remainder of their compensation at risk in the form of discretionary annual cash bonuses and equity-based incentive compensation. The Committee recognizes the importance of base salaries as an element of compensation that helps to attract and retain talented executives. We believe that base salaries should be consistent with the salaries provided by our Peer Companies. The Committee targets base salary between the 50th and 75th percentiles of the Peer Companies. The Committee believes this positioning is necessary to attract and retain executives in the San Francisco Bay Area where the cost of living is higher than much of the country, and to enable us to recruit executive talent from companies that are at a more mature stage of development and therefore may have greater resources to provide higher base compensation, higher total compensation, greater job security and increased employee benefits.

The Committee generally reviews base salaries annually and adjusts base salaries if necessary to remain at the desired benchmark level as compared to the Peer Company data. The Committee also takes into account each executive's individual responsibilities, performance during the prior fiscal year and experience in deciding whether the benchmark percentile is the correct positioning for that executive that year. Additionally, in determining base salary increases, the Committee considers the Company's overall budget for merit salary increases for the year, and whether an executive officer was promoted or his or her responsibilities were or are expected to be modified during the year. The Company's 2014 budget for merit salary increases for all employees was an aggregate increase of 3% over the 2014 salary budget. There was no separate merit salary increase budget for our named executive officers.

The 2014 base salaries for the named executive officers were as follows:

| Named Executive Officer | 2014 Base Salary |
|------------------------------|------------------|
| Robert I. Blum | \$ 555,000 |
| Sharon A. Barbari | \$ 402,730 |
| Bonnie A. Charpentier, Ph.D. | \$ 300,000 |
| David W. Cragg | \$ 286,340 |
| Fady Malik, M.D., Ph.D. | \$ 390,500 |

Annual Bonus. We structure our annual cash bonuses to provide incentives for our executive officers to achieve our annual corporate and individual performance objectives.

Target Bonuses. Each named executive officer's annual target bonus is expressed as a percentage of his or her base salary and is set at a level that, upon 100% achievement of the Company's corporate goals and the named executive officer's individual performance goals, falls at the median level for a similar executive position as compared to the Peer Company data. In determining the split of the target bonus as between corporate and individual performance, the Committee believes that the more senior a named executive officer's position and operational responsibilities within the Company, the greater the percentage of his or her bonus that should be weighted to corporate rather than individual achievement. For example, our President and Chief Executive Officer's bonus is based entirely on corporate achievement and not on individual achievement. Target bonus levels for 2014 performance for the named executive officers, expressed as a percentage of base salary, were as follows:

| Named Executive Officer | Target Bonus % of Salary | Individual Achievement Contribution | Corporate Achievement Contribution |
|------------------------------|-----------------------------|---|--|
| Robert I. Blum | 60% | 0% | 100% |
| Sharon A. Barbari | 40% | 25% | 75% |
| Bonnie A. Charpentier, Ph.D. | 35% | 25% | 75% |
| David W. Cragg | 35% | 25% | 75% |
| Fady Malik, M.D., Ph.D. | 35% | 25% | 75% |

The 2014 target bonus levels were at the median level for similar executive positions as compared to the 2014 Peer Company data.

In the first quarter of each year, the Committee establishes general corporate goals that it wishes to see achieved. However, the Committee does not establish a specific performance formula. Rather, the Committee determines actual bonuses in a subjective fashion at the end of the year, taking into account the original goals and any other factors the Committee determines are material, in its discretion. The minimum bonus amount is zero, and the maximum is 120% of the target bonus amount. If the Committee determines that bonuses should not be awarded for corporate achievement for any reason, bonuses will not be paid even if the individual achievements were met. We believe this fully discretionary bonus structure allows the Committee to be responsive to the uncertainties and lack of predictability associated with being a biotechnology company dedicated to the discovery, development and commercialization of first-in-class therapeutics with novel mechanisms of action.

Equity Awards. The Committee believes that providing a material portion of our executive officers' total compensation in equity awards aligns the interests of our executive officers with our stockholders, by linking the value of compensation to the value of our Common Stock. In determining the form and size of equity awards, the Committee considers information provided by Radford as to whether the complete compensation packages provided to each named executive officer, including prior equity awards, are sufficient to retain, motivate and adequately reward the executive for his or her contributions. In addition, in determining the size of equity awards, the Committee considers the anticipated value of the named executive officer's contributions going forward.

Stock Options. We grant stock options to our named executive officers when they join us and annually, on a discretionary basis, as part of our performance review and rewards process. All options have an exercise price equal to the fair market value of our common stock on the date of grant, and generally vest monthly based on continued service over a four-year period (with a one-year cliff for new hire grants). As a result of our option grant structure, the options provide a return to the executive officer only if the executive officer remains a service provider to the Company, and then only if the market price of our Common Stock appreciates relative to the option exercise price over the period in which the option vests and beyond.

In determining the size of stock option grants to executive officers in a given year, the Committee may consider:

for each executive officer, the value of equity awards granted to executives in similar positions at our Peer Companies, targeting long-term equity compensation at a level such that, when combined with target

total cash compensation, the officer's target total compensation opportunity is at or around the median for comparable positions;

the equity budget for a given year for all of our employees, and the percentage of that budget allocated to be used for awards to our named executive officers. Generally we allocate less than half of the budget to grants to our executive officers, reflecting our belief that all employees should share in our success through the value of equity compensation;

the retention and motivation value of equity awards that have been previously granted to each executive officer;

each executive officer's total potential ownership as a percentage of our total outstanding shares; and

internal pay equity among our named executive officers, to reflect the importance of each officer's responsibilities for the Company's success as compared to the other executive officers and our President and Chief Executive Officer.

The number of shares underlying stock options granted to our named executive officers in February 2014 was as follows:

| Named Executive Officer | Option Shares |
|---------------------------------|---------------|
| Robert I. Blum | 200,000 |
| Sharon A. Barbari | 70,000 |
| Bonnie A. Charpentier, Ph.D.(1) | |
| David W. Cragg | 45,000 |
| Fady Malik, M.D., Ph.D. | 100,000 |

(1) Dr. Charpentier joined the Company in January 2014 and received a new hire stock option grant of 30,000 shares. No other form of equity awards were granted to named executive officers in 2014, 2013 or 2012.

Corporate and Individual Achievement Assessment

Corporate Achievement. Before the start of each calendar year, management prepares a set of corporate goals covering our expected operating and financial performance for the fiscal year. Our corporate goals are focused on corporate metrics and objectives that are intended to provide both near- and long-term stockholder value. The Committee then reviews and approves these corporate goals.

For 2014, the Committee approved corporate goals related to:

completing enrollment in BENEFIT-ALS, the Phase IIb clinical trial of tirasentiv, our lead fast skeletal muscle activator, presenting data from the trial and preparing for the progression to Phase III;

commencing and completing Phase I clinical trials for CK-2127107, a second fast skeletal muscle activator and to support Astellas commitment to Phase II;

supplying materials for clinical trials of our drug candidate in our skeletal muscle contractility development programs;

advancing our research programs to lead optimization and candidate selection, and conducting a new Early Research Program selection process;

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raising capital and corporate partnering for our programs, including receipt of funds; and

managing the budget to close the fiscal year with sufficient cash to cover projected expenditures for the following twelve months.

At the end of each year, the Committee determines the overall level of corporate achievement, including assessing our performance relative to these goals. The Committee does not use a rigid formula in determining the Company's level of achievement, but instead considers:

the degree of success achieved for each corporate goal, comparing actual results against the pre-determined deliverables associated with each objective;

the difficulty of the goal;

whether significant unforeseen obstacles or favorable circumstances altered the expected difficulty of achieving the desired results;

other factors that may have made the stated goals more or less important to our success; and

other accomplishments by us during the year or other factors which, although not included as part of the formal goals, are nonetheless deemed important to our near- and long-term success.

The Committee does assign weightings to the goals by functional area, but uses its discretion and judgment to determine a percentage that it believes fairly represents our achievement level for the year.

Individual Achievement. Individual goals for each named executive officer are derived from the corporate goals that relate to his or her functional area, except for our President and Chief Executive Officer, who has no individual goals apart from the corporate goals. Our President and Chief Executive Officer establishes the individual goals with each named executive officer described below based on the relevant corporate goals and key functional area priorities for the year.

Ms. Barbari's 2014 goals related to supporting partnering activities and providing financial analyses as needed for deal structures, recruiting staff to ensure continuity in workflow and reduce dependency on outside consultants, raising capital, managing the implementation of upgrades to our financial systems, managing spending within the Board-approved net operating budget and developing contingency plans to address future cash requirements, ensuring compliance with internal controls as required by COSO and AS-5, managing the development of an Information Technology Strategic Plan and meeting SEC reporting compliance requirements and supporting the presentation of key clinical data with appropriate investor events.

Dr. Charpentier's 2014 goals related to planning and conducting a successful regulatory interaction for tirasemtiv with the U.S. Food and Drug Administration (FDA) and the European Medicines Agency to inform our Phase III plans for tirasemtiv, planning and conducting audits of contract manufacturing organizations and contract research organizations as needed to support the tirasemtiv development program, collaborating with Amgen on the regulatory aspects of the development program for omecamtiv mecarbil, providing regulatory and quality support for CK-2127107, and developing a plan for implementing systems to support the regulatory, quality and safety functions.

Mr. Cragg's 2014 goals related to meeting staffing metrics regarding direct hires, headcount planning and budgetary goals, managing the Company's compensation and benefit programs, conducting a market analysis of the Company's equity programs to ensure competitiveness and cost effectiveness, and leading our corporate employee community service volunteerism program.

Dr. Malik's 2014 goals related to advancing research programs to candidate selection and hit-to-lead stages, collaborating with Amgen on the development program for omecamtiv mecarbil and the follow-on research program directed to next-generation compounds in our cardiac muscle contractility program, providing high quality, clinical trial supplies, supporting the conduct of our BENEFIT-ALS and CK-2127107 clinical trials and developing a non-clinical development readiness plan to support continued development of tirasemtiv into Phase III.

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At the end of each year, the Committee, with input from our President and Chief Executive Officer, determines the overall level of individual achievement for each named executive officer, which includes, but is

not limited to, an assessment of the executive's performance relative to these goals. The Committee does not use a rigid formula in determining each executive officer's level of achievement, but considers:

the degree of success achieved against the specific deliverables associated with each objective;

the difficulty of the goal;

whether significant unforeseen obstacles or favorable circumstances altered the expected difficulty of achieving the desired results;

the overall performance of the functional areas for which the executive officer has responsibility;

the manner in which the executive officer contributes to the overall success of the Company, including areas outside of his or her responsibility;

the overall management of the executive officer's staff;

other factors that may have made the stated goals more or less important to our success; and

other accomplishments by the executive officer during the year which, although not included as part of the formal goals, are nonetheless deemed important to our near- and long-term success.

The Committee does not assign weights in these assessments, but uses its discretion and judgment to determine, based on recommendations by the President and Chief Executive Officer, a percentage that it believes fairly represents the named executive officer's individual achievement level for the year.

2014 Executive Compensation Decisions

Corporate Achievement Level

In February 2015, the Committee determined that the Company had an overall corporate achievement level of 97% for 2014. This determination was based on successes in the advancement of our skeletal muscle clinical development programs, the advancement of our skeletal muscle research program, and the generation of funds through our February 2014 follow-on public offering. The Committee considers these achievements alongside progress toward achieving business development goals, other financing objectives and certain research goals.

Individual Achievement Levels

Mr. Blum's individual achievement level is based solely on the corporate achievement level, which for 2014 was 97%, as discussed above. In February 2015, the Committee determined that the other named executive officers had individual achievement levels for 2014, based on their individual goals for 2014 and achievements against them described above, as follows: Ms. Barbari 90%; Dr. Charpentier 90%; Mr. Cragg 90%; and Dr. Malik 95%.

Performance Bonus for 2014 Performance

In February 2015, the Committee determined that the Company had an overall corporate achievement level of 97% for 2014. This determination was based on successes in the advancement of the Company's skeletal and cardiac muscle research and development programs and the achievement of business development goals. The Committee also considered progress against objectives related to financial management and early research programs.

Robert I. Blum.

Salary. The Committee did not grant a merit salary increase to Mr. Blum for 2014. Accordingly, Mr. Blum's base salary for 2014 remained at \$555,000.

Bonus. In February 2015, the Committee awarded Mr. Blum a bonus for 2014 performance of \$323,010, or 58% of his 2014 base salary. This was based on a target bonus of 60% of his base salary, multiplied by the corporate achievement level of 97%.

Equity. In February 2014, the Committee awarded Mr. Blum stock options to purchase 200,000 shares of common stock in consideration of his performance as President and Chief Executive Officer in 2013. This award was within the targeted equity award range based on an analysis of data from our 2014 Peer Companies, which resulted in targeted cash and equity compensation at or around the median.

Sharon A. Barbari.

Salary. The Committee granted a merit salary increase to Ms. Barbari for 2014 of 3%. Accordingly, Ms. Barbari's base salary for 2014 was \$402,730.

Bonus. In February 2015, the Committee awarded Ms. Barbari a bonus for her 2014 performance of \$153,440, or 38% of her 2014 base salary. This was based on a target bonus of 40% of base salary, multiplied by an overall achievement level of 95% (based on a weighting of 25% for her individual achievement level of 90% and 75% for the corporate achievement level of 97%).

Equity. In February 2014, the Committee awarded Ms. Barbari stock options to purchase 70,000 shares of common stock. In determining the size of the award, the Committee considered her contribution with managing financial resources in 2013 which resulted in cash reserves in excess of those required to cover capital expenditure in the months following. This award was within the targeted equity award range based on an analysis of data from our 2014 Peer Companies which resulted in targeted cash and equity compensation at or around the median.

Bonnie A. Charpentier.

Salary. The Committee did not grant a merit salary increase to Dr. Charpentier for 2014 as she joined the Company in January 2014. Dr. Charpentier's base salary for 2014 was \$300,000.

Bonus. In February 2015, the Committee awarded Dr. Charpentier a bonus for her 2014 performance of \$100,013 or 33% of her 2014 base salary. This was based on a target bonus of 35% of base salary, multiplied by an overall achievement level of 95% (based on a weighting of 25% for her individual achievement level of 90% and 75% for the corporate achievement level of 97%).

Equity. As part of Dr. Charpentier's compensation package when she joined the Company in January 2014, Dr. Charpentier was awarded stock options to purchase 30,000 shares of common stock. This award was within the targeted equity award range based on an analysis of data from our 2014 Peer Companies which resulted in targeted cash and equity compensation at or around the median.

David W. Cragg.

Salary. The Committee granted a merit salary increase to Mr. Cragg for 2014 of 3%. Accordingly, Mr. Cragg's base salary for 2014 was \$286,340.

Bonus. In February 2015, the Committee awarded Mr. Cragg a bonus for his 2014 performance of \$95,459 or 33% of his 2014 base salary. This was based on a target bonus of 35% of base salary, multiplied by an overall achievement level of 95% (based on a weighting of 25% for his individual achievement level of 90% and 75% for the corporate achievement level of 97%).

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Equity. In February 2014, the Committee awarded Mr. Cragg stock options to purchase 45,000 shares of common stock. In determining the size of the award, the Committee considered his contributions in 2013 in meeting the goals related to staffing metrics, compensation and benefits programs objectives and leading efforts for corporate giving and community service goals. This award was within the targeted equity award range based on an analysis of data from our 2014 Peer Companies which resulted in targeted cash and equity compensation at or around the median.

Fady Malik.

Salary. The Committee granted a merit salary increase to Dr. Malik for 2014 of 10%. Accordingly, Dr. Malik's base salary for 2014 was \$390,500.

Bonus. In February 2015, the Committee awarded Dr. Malik a bonus for his 2014 performance of \$131,891 or 34% of his 2014 base salary. This was based on a target bonus of 35% of base salary, multiplied by an overall achievement level of 96.5% (based on a weighting of 25% for his individual achievement level of 95% and 75% for the corporate achievement level of 97%).

Equity. In February 2014, the Committee awarded Dr. Malik stock options to purchase 100,000 shares of common stock. In determining the size of the award, the Committee considered his contributions in research, preclinical and nonclinical development areas in 2013. This award was within the targeted equity award range based on an analysis of data from our 2014 Peer Companies which resulted in targeted cash and equity compensation at or around the median.

2015 Compensation Decisions

In February 2015, the Committee made the following decisions with respect to the compensation of the named executive officers.

| Named Executive Officer | 2015 | | Target Bonus |
|-------------------------|-------------|---------------|-----------------------|
| | Base Salary | Option Shares | as a % of Base Salary |
| Robert I. Blum | \$ 575,000 | 200,000 | 60% |
| Sharon A. Barbari | \$ 402,730 | 75,000 | 40% |
| Bonnie A. Charpentier | \$ 309,000 | 40,000 | 35% |
| David W. Cragg | \$ 294,930 | 40,000 | 35% |
| Fady I. Malik | \$ 417,835 | 100,000 | 40% |

Severance Benefits and Employment Agreements

We have entered into Executive Employment Agreements with each of our named executive officers. These agreements provide for salary and benefit continuation, bonus payments and accelerated vesting of equity awards upon the termination of their employment either by us without cause, or by the executive for good reason following a loss of position in connection with a change of control of the Company. The terms of these agreements are described in more detail in the section entitled Potential Payments Upon Change of Control. In addition, our equity plan provides that all employee equity awards will be subject to full acceleration if they are not assumed or replaced with comparable awards by the acquirer.

The Committee believes these severance and change of control benefits are an essential element of our executive compensation package and assist it in recruiting and retaining talented executive officers. The Committee believes these benefits serve to minimize the distractions to the executive, reduce the risk that the executive will depart the Company before an acquisition is consummated, and allow the executive to focus on continuing normal business operations and the success of a potential business combination, rather than worrying about how business decisions that may be in the best interest of the Company and its stockholders will impact his or her own financial security. That is, these change of control arrangements help ensure stability among our executive officer ranks and will enable our executives to maintain a balanced perspective in making overall business decisions during periods of uncertainty. Further, these agreements are in line with customary practices at an executive officer level at the Peer Companies.

Other Compensation

Our executive officers are eligible to participate in our employee benefit plans, including medical, dental, life insurance, employee stock purchase and 401(k) plans. These benefits are available to our executives on the same terms and conditions as our other employees. Our executive officers do not receive any perquisites other than those provided to all employees.

Equity Compensation Policies

Our policy is to make new-hire and annual equity grants on pre-determined dates as follows:

The Committee pre-approves new hire stock option grants before an offer is made and the options are granted on the last day of the month in which the employee is hired.

We make annual equity grants, on a discretionary basis, as part of our performance review and reward process. The Committee makes annual grants to employees at a Committee meeting held during the first quarter of each fiscal year.

The exercise price of the stock options is not less than the closing price of our common stock on the NASDAQ Capital Market on the grant date of the option. Our policy is not to purposely accelerate or delay the public release of material information in consideration of a pending equity grant to allow the grantee to benefit from a more favorable stock price.

We encourage our executive officers to hold a significant equity interest in the Company, but we have not set specific ownership guidelines. We have a policy that prohibits our executive officers, directors and other members of management from engaging in short sales, transactions in put or call options, hedging transactions or other inherently speculative transactions with respect to our stock.

Tax Deductibility of Executive Compensation

Section 162(m) of the Code limits the amount that a public company may deduct from federal income taxes for remuneration paid to the chief executive officer and the three other most highly paid executive officers, other than the chief financial officer, to \$1.0 million per executive per year, unless certain requirements are met. Section 162(m) provides an exception from this deduction limitation for certain forms of performance-based compensation, including the gain recognized by executive officers upon the exercise of qualifying compensatory stock options. While the Committee is mindful of the benefit to us of the full deductibility of compensation, the Committee believes that it should not be constrained by the requirements of Section 162(m) where those requirements would impair flexibility in compensating our executive officers in a manner that can best promote our corporate objectives. Accordingly, although our grants of stock options to our executive officers will be considered performance-based compensation under Section 162(m), their annual cash bonuses, if any, will not. We intend to continue to compensate our executive officers in a manner consistent with what we believe are the best interests of the Company and our stockholders.

Accounting Considerations

In determining the size and type of equity awards, the Committee considers the potential impact of the accounting guidance for stock-based compensation. However, we do not set a specific budget for equity compensation based on the accounting cost.

Compensation Recovery Policy

We do not have a policy to attempt to recover cash bonus payments paid to our executive officers if the performance objectives that led to the determination of such payments were to be restated, or found not to have been met to the extent the Committee originally believed. However, as a public company subject to Section 304 of the Sarbanes-Oxley Act of 2002, if we are required as a result of misconduct to restate our financial results due to the material noncompliance with any financial reporting requirements under the federal securities laws, our President and Chief Executive Officer and Executive Vice President, Finance and Chief Financial Officer may be legally required to reimburse us for any bonus or other incentive-based or equity-based compensation they received. In addition, we will comply with the requirements of the Dodd-Frank Wall Street Reform and Consumer Protection Act and will adopt a compensation recovery policy once the SEC adopts final regulations on the subject.

Compensation and Talent Committee Report

The Compensation and Talent Committee of the Company has reviewed and discussed the Compensation Discussion and Analysis required by Item 402(b) of Regulation S-K with management and, based on such review and discussions, the Compensation and Talent Committee recommended to the Board of Directors that the Compensation Discussion and Analysis be included in this proxy statement.

MEMBERS OF THE COMPENSATION AND

TALENT COMMITTEE

Santo J. Costa

L. Patrick Gage

Sandford D. Smith

Wendell Wierenga

Dated: March 30, 2015

Compensation Committee Interlocks and Insider Participation

During fiscal year 2014, directors Santo J. Costa, L. Patrick Gage, Sandford D. Smith and Wendell Wierenga served on the Compensation and Talent Committee. No current or former member of the Compensation and Talent Committee or executive officer of the Company has served as a member of the Board of Directors or Compensation and Talent Committee of any entity that has one or more executive officers serving as a member of our Board of Directors or Compensation and Talent Committee. The current and former members of the Compensation and Talent Committee were not officers or employees of the Company while a member of the Compensation and Talent Committee during fiscal year 2014.

Risk Analysis of the Compensation Programs

The Committee has reviewed our compensation policies as generally applicable to our employees and believes that our policies do not encourage excessive and unnecessary risk-taking and that the level of risk that they do encourage is not reasonably likely to have a material adverse effect on us. The design of our compensation policies and programs is intended to encourage our employees to remain focused on both our short- and long-term goals. For example, while our cash bonus plans measure corporate and individual performance on an annual basis, the stock options typically vest over a number of years, which the Committee believes encourages employees to focus on sustained stock price appreciation, thus limiting the potential value of excessive risk-taking.

Summary Compensation Table

The following table summarizes the total compensation earned by or paid to each of the named executive officers for the fiscal years ended December 31, 2014, 2013 and 2012:

| Name and Principal Position | Year | Salary (1) | Other Compensation (2) | Option Awards (3) | Non-Equity Incentive Plan Compensation | Bonus (5) | Total |
|--|------|---------------|------------------------------|-------------------------|---|--------------|--------------|
| Robert I. Blum President and Chief Executive Officer | 2014 | \$ 555,000 | | \$ 1,310,900 | \$ 323,010(4) | | \$ 2,188,910 |
| | 2013 | \$ 555,000 | | \$ 518,000 | \$ 249,750 | | \$ 1,322,750 |
| | 2012 | \$ 555,000 | | \$ 299,205 | \$ 242,813 | | \$ 1,097,018 |
| Sharon A. Barbari Executive Vice President, Finance and Chief Financial Officer | 2014 | \$ 400,775 | \$ 7,800 | \$ 458,815 | \$ 153,440(4) | \$ 446 | \$ 1,021,276 |
| | 2013 | \$ 391,000 | | \$ 194,250 | \$ 140,760 | | \$ 726,010 |
| | 2012 | \$ 391,000 | | \$ 116,358 | \$ 139,783 | | \$ 647,141 |
| Bonnie A. Charpentier, Ph.D.(6) Senior Vice President, Regulatory Affairs and Compliance | 2014 | \$ 300,000 | \$ 7,800 | \$ 157,728 | \$ 100,013(4) | | \$ 565,541 |
| David W. Cragg Senior Vice President, Human Resources | 2014 | \$ 284,950 | \$ 7,800 | \$ 294,953 | \$ 95,459(4) | | \$ 683,162 |
| | 2013 | \$ 278,000 | | \$ 97,125 | \$ 75,060 | | \$ 450,185 |
| | 2012 | \$ 278,000 | | \$ 59,841 | \$ 73,496 | | \$ 411,337 |
| Fady Malik, M.D., Ph.D. Senior Vice President, Research and Development | 2014 | \$ 384,583 | \$ 7,800 | \$ 655,450 | \$ 131,891(4) | | \$ 1,179,724 |
| | 2013 | \$ 347,500 | | \$ 194,250 | \$ 98,513 | | \$ 640,263 |
| | 2012 | \$ 310,000 | | \$ 116,358 | \$ 83,119 | | \$ 509,477 |

- (1) Includes amounts earned but deferred at the election of the named executive officers pursuant to our 401(k) employee savings and retirement plan.
- (2) Includes matching contributions under the Company's 401(k) plan.
- (3) Amounts in this column reflect the grant date fair value of awards granted pursuant to our equity incentive plans, calculated in accordance with the accounting guidance for stock compensation. Assumptions used for the valuation of option grants are set forth in Note 13 to our audited financial statements for each of the fiscal years ended December 31, 2014, 2013 and 2012, included in our Annual Report on Form 10-K for each of such years.
- (4) Represents amounts earned in 2014 pursuant to our Employee Bonus Plan and paid on March 6, 2015.
- (5) Represents a bonus paid to Ms. Barbari for her efforts at an all employee event.
- (6) Dr. Charpentier joined the Company in January 2014 and therefore has no compensation from the Company during 2013 and 2012.

Employment and Other Agreements

We have entered into Executive Employment Agreements with each named executive officer.

The Executive Employment Agreements provide for such officers to remain at-will employees of the Company and to receive salary, bonus and benefits as determined at the discretion of the Board of Directors. Such agreements also provide for such officers to receive certain benefits if, within the eighteen-month period following a change of control of the Company, they resign for good reason or are terminated by us or our

successor other than for cause see Potential Payments Upon Change of Control below.

Grants of Plan Based Awards in 2014

The following table sets forth information regarding plan-based awards to each of the named executive officers during 2014.

| Name | Grant Date | Estimated Future Payouts Under Non-Equity Incentive Plan Awards(1) | | | All Other Option Awards: Number of Securities Underlying Options (#)(2) | Exercise or Base Price of Option Awards (\$) | Grant Date Fair Value of Stock and Option Awards (\$) |
|---------------------------------|-------------|--|-------------|--------------|---|--|---|
| | | Threshold (\$) | Target (\$) | Maximum (\$) | | | |
| Robert I. Blum | 02/24/14 | \$ 0 | \$ 333,000 | \$ 399,600 | 200,000 | \$ 9.65 | \$ 1,310,900 |
| Sharon A. Barbari | 02/24/14 | \$ 0 | \$ 161,092 | \$ 193,310 | 70,000 | \$ 9.65 | \$ 458,815 |
| Bonnie A. Charpentier, Ph.D.(3) | 01/31/14(3) | \$ 0 | \$ 105,000 | \$ 126,000 | 30,000 | \$ 7.75 | \$ 157,728 |
| David W. Cragg | 02/24/14 | \$ 0 | \$ 100,219 | \$ 120,263 | 45,000 | \$ 9.65 | \$ 294,953 |
| Fady I. Malik, M.D., Ph.D. | 02/24/14 | \$ 0 | \$ 136,675 | \$ 164,010 | 100,000 | \$ 9.65 | \$ 655,450 |

- (1) Reflects each named executive officer's participation in our Employee Bonus Plan, calculated based on each officer's respective base salary and position as of December 31, 2014. Amounts actually earned under the plan in 2014, if any, are reflected in the Summary Compensation Table above.
- (2) All stock options granted to the named executive officers in 2014 were granted under the 2004 EIP. Each option vests monthly over a four-year period.
- (3) Dr. Charpentier joined the Company in January 2014. The stock options granted to her in 2014 were new hire grants.

Outstanding Equity Awards at December 31, 2014

The following table sets forth information regarding outstanding equity awards held by each named executive officer as of December 31, 2014.

| Name | Option Awards | | Option Exercise Price | Option Expiration Date |
|------------------------------|---|--|-----------------------|------------------------|
| | Number of Securities Underlying Exercisable Options | Number of Securities Underlying Unexercisable(1) Options | | |
| Robert I. Blum | 7,500 | | \$ 39.54 | 04/11/2015 |
| | 16,666 | | \$ 42.90 | 03/01/2016 |
| | 41,666 | | \$ 40.86 | 03/14/2017 |
| | 33,333 | | \$ 20.22 | 02/28/2018 |
| | 45,832 | | \$ 11.10 | 02/26/2019 |
| | 45,000 | | \$ 18.48 | 02/24/2020 |
| | 79,860 | 3,472 | \$ 9.42 | 02/28/2021 |
| | 51,564 | 23,435 | \$ 6.30 | 03/05/2022 |
| | 58,334 | 74,999 | \$ 6.00 | 03/05/2023 |
| | 41,666 | 158,334 | \$ 9.65 | 02/24/2024 |
| Sharon A. Barbari | 2,749 | | \$ 39.54 | 04/11/2015 |
| | 9,999 | | \$ 42.90 | 03/01/2016 |
| | 9,999 | | \$ 40.86 | 03/14/2017 |
| | 20,499 | | \$ 20.22 | 02/28/2018 |
| | 25,000 | | \$ 11.10 | 02/26/2019 |
| | 22,499 | | \$ 18.48 | 02/24/2020 |
| | 31,944 | 1,388 | \$ 9.42 | 02/28/2021 |
| | 20,053 | 9,113 | \$ 6.30 | 03/05/2022 |
| | 21,875 | 28,124 | \$ 6.00 | 03/05/2023 |
| | 14,583 | 55,417 | \$ 9.65 | 02/24/2024 |
| Bonnie A. Charpentier, Ph.D. | | 30,000 | \$ 7.75 | 01/31/2024 |
| David W. Cragg | 13,332 | | \$ 57.12 | 02/14/2015 |
| | 6,666 | | \$ 42.90 | 03/01/2016 |
| | 8,332 | | \$ 40.86 | 03/14/2017 |
| | 11,666 | | \$ 20.22 | 02/28/2018 |
| | 14,166 | | \$ 11.10 | 02/26/2019 |
| | 15,000 | | \$ 18.48 | 02/24/2020 |
| | 15,972 | 694 | \$ 9.42 | 02/28/2021 |
| | 10,312 | 4,687 | \$ 6.30 | 03/05/2022 |
| | 10,938 | 14,062 | \$ 6.00 | 03/05/2023 |
| | 9,375 | 35,625 | \$ 9.65 | 02/24/2024 |
| Fady I. Malik, M.D., Ph.D. | 1,500 | | \$ 42.60 | 03/23/2015 |
| | 5,833 | | \$ 42.24 | 03/15/2016 |
| | 3,299 | | \$ 40.86 | 03/14/2017 |
| | 3,134 | | \$ 20.22 | 02/28/2018 |
| | 6,666 | | \$ 11.10 | 02/26/2019 |
| | 8,333 | | \$ 18.48 | 02/24/2020 |
| | 11,980 | 520 | \$ 9.42 | 02/28/2021 |
| | 20,052 | 9,114 | \$ 6.30 | 03/05/2022 |
| | 21,876 | 28,124 | \$ 6.00 | 03/05/2023 |
| | 20,833 | 79,167 | \$ 9.65 | 02/24/2024 |

(1) All currently unexercisable options in this table vest monthly over a four-year period from the date of grant.

Option Exercises and Vesting of Stock in 2014

There were no stock options exercised and no stock awards vested during the fiscal year ending December 31, 2014.

Pension Benefits

We do not provide our employees, including our named executive officers, with a defined benefit pension plan or any supplemental executive retirement plans or retiree health benefits.

Nonqualified Deferred Compensation

We do not have a nonqualified defined contribution plan or other nonqualified deferred compensation plan.

Potential Payments Upon Termination or Change of Control

We have entered into Executive Employment Agreements with each of the named executive officers. Such agreements provide for such officers to receive certain benefits if, within the eighteen-month period following a change of control of the Company, the executive officer resigns for good reason or is terminated by us or our successor other than for cause (a qualifying resignation or termination) and such officer signs a standard release of claims with us. In addition, our executives will receive accelerated vesting of equity awards upon a change of control in which the acquirer does not assume all equity awards. However, we do not have any other agreements, plans or arrangements that provide for severance or other benefits upon termination for other reasons.

Good reason includes a material reduction in salary; a material decrease in duties or responsibilities; a material decrease in the duties or responsibilities of the supervisor to whom the executive officer is required to report; a material decrease in the budget over which the executive officer has authority; relocation of the place of employment to a location more than fifty miles from our location at the time of the change in control; or a material breach of the Executive Employment Agreement by us or our successor.

Cause includes failure to substantially perform the duties of the job other than due to physical or mental illness; engaging in conduct that is materially injurious to us or constitutes gross misconduct; material breach of the Executive Employment Agreement by the executive officer; material breach of Company policies that have been adopted by the Board of Directors; conviction of a felony; or fraud against us.

Under their Executive Employment Agreements, upon a qualifying resignation or termination, Ms. Barbari, Dr. Charpentier, Mr. Cragg and Dr. Malik will become entitled to receive: continuing severance payments at a rate equal to their base salary for a period of eighteen months; a lump sum payment equal to their full target annual bonus; acceleration in full of vesting of equity awards held by them; and continued employee benefits until the earlier of eighteen months following the date of termination or resignation or the date they obtain employment with generally similar employee benefits. In the event that such payments constitute parachute payments within the meaning of Section 280G of the Code and become subject to the excise tax imposed under Section 4999 of the Code, the Executive Employment Agreements of Ms. Barbari, Dr. Charpentier, Mr. Cragg and Dr. Malik each provide that the benefit amount may be reduced so that no portion of the payment is subject to the excise tax.

Under his Executive Employment Agreement, upon a qualifying resignation or termination, Mr. Blum will become entitled to receive: continuing severance payments at a rate equal to his base salary for a period of twenty-four months; a lump sum payment equal to his full target annual bonus; acceleration in full of vesting of equity awards held by him; and continued employee benefits until the earlier of twenty-four months following

the date of termination or resignation or the date he obtains employment with generally similar employee benefits. In the event that such payments constitute parachute payments within the meaning of Section 280G of the Code and become subject to the excise tax imposed under Section 4999 of the Code, Mr. Blum is eligible to receive a payment from us sufficient to pay the excise tax, and a tax gross-up payment, which is an additional payment sufficient to pay the excise tax and other income taxes resulting from the initial excise tax payment. This excise tax and tax gross-up payment has been a benefit we have historically offered at the Chief Executive Officer level based on the uniqueness and importance of that role to our business.

The provisions of each Executive Employment Agreement are intended to comply with the requirements of Section 409A so that none of the severance payments or benefits to be provided under the agreements will be subject to the additional tax imposed under Section 409A. If severance payments to an executive officer at the time of termination would trigger the additional tax imposed under Section 409A, then such payments will instead become payable to the executive officer starting six months and one day after the termination date.

Severance payments and benefits provided to an executive officer under an Executive Employment Agreement following a qualifying resignation or termination are subject to certain conditions including adherence to existing confidentiality, proprietary information and invention assignment agreements, and non-competition clauses.

The following table summarizes the potential benefits the named executive officers would receive in the circumstances described above assuming their employment had been terminated on December 31, 2014:

| Name | Salary | Bonus | Acceleration of | | Total(3) |
|------------------------------|--------------|------------|-----------------------------|--------------------------------------|--------------|
| | | | Vesting of Stock Options(1) | Continuation of Employee Benefits(2) | |
| Robert I. Blum | \$ 1,110,000 | \$ 333,000 | \$ 190,822 | \$ 68,025 | \$ 1,701,847 |
| Sharon A. Barbari | \$ 604,095 | \$ 161,092 | \$ 72,112 | \$ 50,653 | \$ 887,952 |
| Bonnie A. Charpentier, Ph.D. | \$ 450,000 | \$ 105,000 | \$ 7,800 | \$ 50,267 | \$ 613,067 |
| David W. Cragg | \$ 429,510 | \$ 100,219 | \$ 36,279 | \$ 50,267 | \$ 616,275 |
| Fady I. Malik, M.D., Ph.D. | \$ 585,750 | \$ 136,675 | \$ 72,114 | \$ 50,267 | \$ 844,806 |

- (1) The value of the acceleration of vesting of stock options is calculated as the amount by which the closing market price of the Company's Common Stock as of December 31, 2014 of \$8.01 exceeds the exercise price for unvested stock options as of December 31, 2014.
- (2) Represents the cost of premiums for medical, dental, vision, life and disability insurance coverage under our group employee benefit plans.
- (3) Based on the payment amounts reflected in the table, none of the named executive officers would be subject to excise taxes under Sections 280G and 4999 of the Code as of December 31, 2014. Thus, Mr. Blum would not receive excise tax reimbursement or tax gross-up payments, and the termination payments to the other named executive officers would not be reduced to avoid excise taxes.

Director Summary Compensation Table for 2014

The following table summarizes the total compensation earned by our Directors for the fiscal year ended December 31, 2014.

| Name | Fees Earned or Paid in Cash (\$)(1) | Option Awards (\$)(1)(2) | All Other Compensation (\$)(11) | Total (\$) |
|-----------------------------------|---|--------------------------------|---------------------------------------|---------------|
| Robert I. Blum(3) | | | | |
| Santo J. Costa(4) | \$ 55,000 | \$ 32,679 | \$ 532 | \$ 88,211 |
| L. Patrick Gage, Ph.D.(5) | \$ 21,250 | \$ 134,836 | 1,142 | \$ 157,228 |
| Denise M. Gilbert, Ph.D.(6) | \$ 55,000 | \$ 32,679 | | \$ 87,679 |
| John T. Henderson, M.B., Ch.B.(7) | \$ 18,750 | \$ 92,268 | 806 | \$ 111,824 |
| B. Lynne Parshall, Esq.(8) | \$ 32,500 | \$ 62,473 | | \$ 94,973 |
| Sandford D. Smith(9) | \$ 25,000 | \$ 62,473 | | \$ 87,473 |
| Wendell Wierenga, Ph.D.(10) | \$ 20,000 | \$ 92,268 | | \$ 112,268 |

- (1) Mr. Wierenga, Dr. Gage, and Dr. Henderson each made an annual election to receive 100% of their retainer fees for 2014 in stock options. Mr. Smith and Ms. Parshall each made an annual election to receive 50% of their retainer fees for 2014 in stock options.
- (2) Amounts in this column reflect the grant date fair value of awards granted in 2014, calculated in accordance with the accounting guidance for stock compensation. Assumptions used for the valuation of option grants are set forth in Note 13 to our audited financial statements for the fiscal year ended December 31, 2014, included in our Annual Report on Form 10-K.
- (3) Employee Directors receive no separate compensation for their services as members of the Board of Directors.
- (4) As of December 31, 2014, Mr. Costa had outstanding options to purchase 28,331 shares of Common Stock, of which 24,164 were exercisable.
- (5) As of December 31, 2014, Dr. Gage had outstanding options to purchase 114,343 shares of Common Stock, of which 108,315 were exercisable.
- (6) As of December 31, 2014, Dr. Gilbert had outstanding options to purchase 32,498 shares of Common Stock, of which 28,331 were exercisable.
- (7) As of December 31, 2014, Dr. Henderson had outstanding options to purchase 85,888 shares of Common Stock, of which 80,636 were exercisable.
- (8) As of December 31, 2014, Ms. Parshall had outstanding options to purchase 33,806 shares of Common Stock, of which 25,855 were exercisable.
- (9) As of December 31, 2014, Mr. Smith had outstanding options to purchase 45,128 shares of Common Stock, of which 39,862 were exercisable.

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(10) As of December 31, 2014, Dr. Wierenga had outstanding options to purchase 41,351 shares of Common Stock, of which 36,099 were exercisable.

(11) Represents costs incurred by the Company for the directors' spouses to accompany them to business functions. We reimburse our non-employee directors for their expenses incurred in connection with attending Board of Directors and committee meetings.

Non-employee directors receive a base retainer for service on the Board of Directors and an additional retainer for each committee on which they serve. Non-employee directors no longer receive per-meeting fees. Annual retainers are as follows:

| | | |
|--------------------------------|-------------------------------------|-----------|
| Annual Base Retainer | Chairman | \$ 60,000 |
| | Lead outside director (if any) | \$ 42,500 |
| | Other directors | \$ 35,000 |
| Committee Chairperson Retainer | Audit Committee | \$ 20,000 |
| | Compensation and Talent Committee | \$ 15,000 |
| | Nominating and Governance Committee | \$ 10,000 |
| | Science and Technology Committee | \$ 25,000 |
| Committee Member Retainer | Audit Committee | \$ 10,000 |
| | Compensation and Talent Committee | \$ 7,500 |
| | Nominating and Governance Committee | \$ 5,000 |
| | Science and Technology Committee | \$ 7,500 |

Each independent outside director may continue to make an annual election to receive his or her annual base retainer in cash or to receive either 50% or 100% of the retainer in stock options. The grant date of the stock options is the first business day of the fiscal calendar year. The number of stock options is calculated at a rate of 2.5 times the cash retainer amount, divided by the closing price of our Common Stock on the date of grant. For example, if a director elects to receive 100% of the retainer in stock options, \$87,500 (2.5 times \$35,000) is divided by the closing stock price on the date of grant to determine the number of stock options. The stock options vest monthly over a one-year vesting period. This election is not available for the committee retainers.

The Company reimburses its non-employee directors for their out-of-pocket expenses incurred in connection with attending Board of Directors and committee meetings.

We have in the past granted non-employee directors options to purchase our Common Stock pursuant to the terms of our 2004 EIP, and our Board of Directors continues to have the discretion to grant options to new and continuing non-employee Directors. In January and March 2004, our Board of Directors and stockholders, respectively, approved our 2004 EIP, which provided for automatic grants of stock options to directors who are not our officers or employees. Effective May 8, 2014, new directors received an initial option grant of 20,000 shares on joining the Board of Directors, and continuing directors received an annual option grant 10,000 shares. Generally, grants to new directors vested monthly over three years and grants to continuing directors vest monthly over one year.

Employee directors who meet the eligibility requirements may participate in our 2004 ESPP Plan and, if approved by the stockholders, our 2015 ESPP.

We maintain director and officer indemnification insurance coverage. This insurance covers directors and officers individually. The policies currently run from June 1, 2014 through June 1, 2015 at a total annual cost of \$427,000. The primary carrier is Old Republic Insurance Company.

**REPORT OF THE AUDIT COMMITTEE
OF THE BOARD OF DIRECTORS**

The Audit Committee operates under a written charter adopted by the Board of Directors and reviewed and approved annually by the Audit Committee. The purpose of the Audit Committee is to:

Select the Company's independent auditors and oversee the accounting and financial reporting processes of the Company and audits of the financial statements of the Company;

Assist the Board of Directors in oversight and monitoring of (i) the integrity of the Company's financial statements, (ii) the Company's financial reporting process, (iii) the Company's compliance with legal and regulatory requirements under applicable securities law, (iv) the independent auditors' qualifications, independence and performance, (v) the Company's systems of internal accounting and financial controls, and (vi) other areas of current or potential risk to the Company's finances;

Provide the Board of Directors with the results of its monitoring and recommendations derived therefrom;

Prepare a report in the Company's annual proxy statement in accordance with SEC rules; and

Provide to the Board of Directors such additional information and materials as it may deem necessary to make the Board of Directors aware of significant financial matters that come to its attention and that require the attention of the Board of Directors.

Management has the primary responsibility for the financial statements and the reporting process including the system of internal controls.

In fulfilling its responsibilities during 2014, the Audit Committee has:

Reviewed and discussed the audited financial statements and the Company's financial reporting processes with management;

Discussed with the Company's independent registered public accounting firm, PricewaterhouseCoopers LLP, matters required to be discussed under Statements of Auditing Standards No. 16, *Communications with Audit Committees*, and Statements of Auditing Standards No. 90, *Communication with Audit Committees*;

Received from PricewaterhouseCoopers LLP written disclosures and a letter regarding their independence as required by the rules of the Public Company Accounting Oversight Board, and discussed with PricewaterhouseCoopers LLP their independence from management and the Company; and

Discussed with PricewaterhouseCoopers LLP the overall scope and plans for the audit. The Audit Committee met with PricewaterhouseCoopers LLP, with and without management present, to discuss the results of its examinations, its evaluations of the Company's internal controls and the overall quality of the Company's financial reporting.

Based on the foregoing, the Audit Committee recommended to the Board of Directors that the audited financial statements be included in the Company's Annual Report on Form 10-K for the year ended December 31, 2014 for filing with the SEC. The Audit Committee and the Board of Directors have also recommended, subject to stockholder ratification, the selection of PricewaterhouseCoopers LLP as the Company's independent registered public accounting firm for the year ending December 31, 2015.

Respectfully submitted,

MEMBERS OF THE AUDIT COMMITTEE

Denise M. Gilbert

John T. Henderson

B. Lynne Parshall

Dated: March 30, 2015

Section 16(a) Beneficial Ownership Reporting Compliance

Section 16(a) of the Exchange Act requires our officers and directors, and persons who own more than ten percent of a registered class of our equity securities, to file reports of ownership and changes in ownership with the SEC. Such officers, directors and ten-percent stockholders are also required by SEC rules to furnish us with copies of all forms that they file pursuant to Section 16(a). Based solely on its review of the copies of such forms received by it, or written representations from certain reporting persons, we believe that during 2014, our executive officers and directors complied with all applicable filing requirements.

CERTAIN BUSINESS RELATIONSHIPS AND RELATED PARTY TRANSACTIONS

Review, Approval or Ratification of Transactions with Related Party

Our policy is that any transaction with a related party that is required to be reported under applicable SEC rules, other than compensation-related matters and waivers of our Code of Ethics, must be reviewed and approved according to an established procedure. Such a transaction is reviewed by the Audit Committee as required by the Audit Committee's charter, and if approved, is then submitted to the full Board of Directors where it is subject to review and approval or ratification by a majority of the independent, disinterested directors. We have not adopted specific standards for approval of these transactions, but instead review each such transaction on a case-by-case basis. Our policy is to require that all such compensation-related matters be reviewed by the Compensation and Talent Committee and, if approved, submitted to the Board of Directors for review and approval. Any waiver of our Code of Ethics must be reviewed by the Nominating and Governance Committee and, if approved, must be reported as required under applicable SEC rules.

Collaboration and Option Agreement and Common Stock Purchase Agreement with Amgen, Inc. (Amgen)

In December 2006, the Company entered into a collaboration and option agreement with Amgen to discover, develop and commercialize novel small molecule therapeutics, including omecamtiv mecarbil, that activate cardiac muscle contractility for potential applications in the treatment of heart failure (the Amgen Agreement). The agreement granted Amgen an option to obtain an exclusive license worldwide, except Japan, to develop and commercialize omecamtiv mecarbil and other drug candidates arising from the collaboration. In May 2009, Amgen exercised its option. As a result, Amgen became responsible for the development and commercialization of omecamtiv mecarbil and related compounds at its expense worldwide (excluding Japan), subject to the Company's development and commercialization participation rights. Amgen reimburses the Company for certain research and development activities it performs under the collaboration.

In June 2013, Cytokinetics and Amgen executed an amendment to the Amgen Agreement to include Japan, resulting in a worldwide collaboration (the Amgen Agreement Amendment). Under the terms of the Amgen Agreement Amendment, the Company received a non-refundable upfront license fee of \$15.0 million in June 2013. Under the Amgen Agreement Amendment, the Company conducted a Phase I pharmacokinetic study intended to support inclusion of Japan in a potential Phase III clinical development program and potential global registration dossier for omecamtiv mecarbil. Amgen reimbursed the Company for the costs of this study. In addition, the Company is eligible to receive additional pre-commercialization milestone payments relating to the development of omecamtiv mecarbil and royalties on sales of omecamtiv mecarbil in Japan.

In conjunction with the Amgen Agreement Amendment, the Company also entered into a common stock purchase agreement which provided for the sale of 1,404,100 shares of its common stock to Amgen at a price per share of \$7.12 and an aggregate purchase price of \$10.0 million, which was received in June 2013. The Company determined the fair value of the stock issued to Amgen to be \$7.5 million. The excess of cash received over fair value of \$2.5 million was initially deferred and allocated between the license and services based on their relative selling prices using best estimate of selling price. The allocated consideration was recognized as revenue as revenue criteria were satisfied, or as services were performed over approximately 12 months. Pursuant to this agreement, Amgen agreed to certain trading and other restrictions with respect to the Company's common stock.

The Company determined that the license to the Japan territory granted under the Amgen Agreement Amendment was a separate, non-contingent deliverable under the amendment. The Company determined that the license has stand-alone value based on Amgen's internal product development capabilities since all relevant manufacturing know-how related to omecamtiv mecarbil was previously delivered to Amgen.

In October 2013, the Company determined that the revenue recognition requirements under ASC 605-10 had been met and accordingly, recognized \$17.2 million in license revenue attributable to the Amgen Agreement Amendment in the fourth quarter of 2013. In year ended December 31, 2014, the Company recognized the remaining \$0.3 million of the previously deferred consideration attributable to the Amgen Agreement Amendment as research and development revenues from related parties.

Under the Amgen Agreement, as amended, the Company is eligible for additional development milestone payments which are based on various clinical milestones, including the initiation of certain clinical studies, the submission of a drug candidate to certain regulatory authorities for marketing approval and the receipt of such approvals, and which could total over \$350.0 million. Additionally, up to \$300.0 million in commercial milestones could be received provided certain sales targets are met. Due to the nature of drug development, including the inherent risk of development and approval of drug candidates by regulatory authorities, it is not possible to estimate if and when these milestone payments could become due. The achievement of each of these milestones is dependent solely upon the results of Amgen's development and commercialization activities and therefore none of these milestones was deemed to be substantive. During the period ended December 31, 2014, zero dollars were recognized for milestones achieved under the Amgen Agreement.

The Amgen Agreement also provides for the Company to receive increased royalties by co-funding Phase III development costs of omecamtiv mecarbil and other drug candidates under the collaboration. If the Company elects to co-fund such costs, it would be entitled to co-promote the co-funded drug in North America and participate in agreed commercialization activities in institutional care settings, at Amgen's expense.

Pursuant to the Amgen Agreement, the Company has recognized research and development revenue from Amgen for reimbursements of internal costs of certain full-time employee equivalents, supporting a collaborative research program directed to the discovery of next-generation cardiac sarcomere activator compounds and of other costs related to that research program. These reimbursements were recorded as research and development revenues from related parties.

Revenue from Amgen was as follows (in thousands):

| | Years Ended December 31, | | |
|---|--------------------------|-----------|----------|
| | 2014 | 2013 | 2012 |
| License revenues from related parties | \$ | \$ 17,230 | \$ |
| Research and development revenues from related parties: | | | |
| Reimbursement of internal costs | 4,260 | 2,019 | 4,174 |
| Reimbursement of other costs | | | 3 |
| Allocated consideration | 278 | | |
| Total revenues from Amgen | \$ 4,538 | \$ 19,249 | \$ 4,177 |

License and Collaboration Agreement with Astellas Pharma, Inc. (Astellas)

Original Astellas Agreement (Non-neuromuscular license)

In June 2013, the Company entered into a license and collaboration agreement with Astellas (the Original Astellas Agreement). The primary objective of the collaboration with Astellas is to advance novel therapies for diseases and medical conditions associated with muscle weakness.

Under the Original Astellas Agreement, the Company granted Astellas an exclusive license to co-develop and jointly commercialize CK-2127107, a fast skeletal troponin activator, for potential application in non-neuromuscular indications worldwide. The Company was primarily responsible for the conduct of Phase I clinical trials and certain Phase II readiness activities for CK-2127107 and Astellas was primarily responsible for the conduct of subsequent development and commercialization activities for CK-2127107.

In July 2013, the Company received an upfront, non-refundable license fee of \$16.0 million in connection with the execution of the Original Astellas Agreement. Under the agreement, the Company was eligible to potentially receive approximately \$25.5 million in reimbursement of sponsored research and development activities during the initial two years of the collaboration. The agreement also provided for research and early and late stage development milestone payments based on various research and clinical milestones, including the initiation of certain clinical studies, the submission for approval of a drug candidate to certain regulatory authorities for marketing approval and the commercial launch of collaboration products, and royalties on sales of commercialized products.

At the inception of the Original Astellas Agreement, the Company deferred revenue related to the Original Astellas Agreement in accordance with ASC 605-25. The Company evaluated whether the delivered elements under the arrangement have value on a stand-alone basis. Upfront, non-refundable licensing payments are assessed to determine whether or not the licensee is able to obtain stand-alone value from the license. Where this is not the case, the Company does not consider the license deliverable to be a separate unit of accounting, and the revenue for the license fee is deferred and recognized in conjunction with the other deliverables that constitute the combined unit of accounting.

The Company determined that the license and the research and development services are a single unit of accounting as the license was determined to not have stand-alone value. Accordingly, the Company is recognizing this revenue using the proportional performance model over the initial research term of the Original Astellas Agreement. During the year ended December 31, 2014, the Company recorded \$9.8 million in license revenue based on the proportional performance model. As of December 31, 2014, the Company has recognized \$13.7 million of the \$16.0 million upfront license fee as license revenue, and has \$2.3 million of deferred license revenue under the Original Astellas Agreement.

Pursuant to the Original Astellas Agreement, the Company has recognized research and development revenue from Astellas for reimbursements of internal costs of certain full-time employee equivalents, supporting collaborative research and development programs, and of other costs related to those programs. During the year ended December 31, 2014, the Company recorded research and development revenue from Astellas of \$8.9 million related to the reimbursement of internal costs and \$6.5 million related to the reimbursement of other costs.

Amended Astellas Agreement (Expansion to include neuromuscular indications)

On December 22, 2014, the Company entered into an amended and restated license and collaboration agreement with Astellas (the Amended Astellas Agreement). This agreement superseded the Original Astellas Agreement. The Amended Astellas Agreement expanded the objective of the collaboration of advancing novel therapies for diseases and medical conditions associated with muscle weakness to include SMA and potentially other neuromuscular indications, in addition to the non-neuromuscular indications provided for in the Original Astellas Agreement. Under the terms of the Amended Astellas Agreement, we received a non-refundable upfront license fee of \$30.0 million in January 2015. Concurrently, the Company received \$15.0 million as a milestone payment relating to Astellas' decision to advance CK-2127107 into Phase II clinical development. The Company is also eligible to potentially receive over \$20.0 million in reimbursement of sponsored research and development activities during the next two years of the collaboration. Under the Amended Astellas Agreement, the Company plans to conduct the initial Phase II clinical trial of CK-2127107 in patients with SMA. In addition, the Company is entitled to receive additional pre-commercialization milestone payments related to the development of CK-2127107 in neuromuscular indications, and royalties on sales of CK-2127107 in neuromuscular indications.

The Company determined that the license and the research and development services relating to the Amended Astellas Agreement are a single unit of accounting as the license was determined to not have stand-alone value. Accordingly, the Company is recognizing this revenue over the initial research term of the Amended Astellas Agreement using the proportional performance model. As of December 31, 2014, the Company has recognized zero of the \$30.0 million upfront license fee as license revenue and deferred the entire amount.

The Company believes that each of the milestones related to research and early development under the Amended Astellas Agreement is substantive and can only be achieved with the Company's past and current performance and each milestone will result in additional payments to the Company. During the period ended December 31, 2014, \$17.0 million was recognized as milestone revenue for early development under this agreement. The Company is eligible to receive up to \$2.0 million in research milestone payments for each future collaboration product candidate.

The achievement of each of the late stage development milestones and the commercialization milestones are dependent solely upon the results of Astellas' development activities and therefore these milestones were not deemed to be substantive.

Under the Amended Astellas Agreement, additional research and early and late stage development milestone payments which are based on various research and clinical milestones, including the initiation of certain clinical studies, the submission for approval of a drug candidate to certain regulatory authorities for marketing approval and the commercial launch of collaboration products could total over \$600.0 million, including up to \$95.0 million relating to CK-2127107 in non-neuromuscular indications, and over \$100.0 million related to CK-2127107 in each of SMA and other neuromuscular indications. Additionally, \$200.0 million in commercial milestones could be received under the Amended Astellas Agreement provided certain sales targets are met. Due to the nature of drug development, including the inherent risk of development and approval of drug candidates by regulatory authorities, it is not possible to estimate if and when these milestone payments could become due.

In the event Astellas commercializes any collaboration products, the Company will receive royalties on sales of such collaboration products, including royalties ranging from the high single digits to the high teens on sales of products containing CK-2127107. Cytokinetics also holds an option to co-fund certain development costs for CK-2127107 and other compounds in exchange for increased milestone payments and royalties; such royalties may increase under certain scenarios to exceed twenty percent. Under the Amended Astellas Agreement, Cytokinetics retains an option to co-promote collaboration products containing fast skeletal muscle activators for neuromuscular indications in the U.S., Canada and Europe, in addition to its option to co-promote other collaboration products in the U.S. and Canada as provided for in the Original Astellas Agreement. Astellas will reimburse Cytokinetics for certain expenses associated with its co-promotion activities. The Amended Astellas Agreement also provides for Cytokinetics to lead certain activities relating to the commercialization of collaboration products for neuromuscular indications in the U.S., Canada and Europe under particular scenarios.

In conjunction with the Amended Astellas Agreement, the Company also entered into a common stock purchase agreement which provided for the sale of 2,040,816 shares of its common stock to Astellas at a price per share of \$4.90 and an aggregate purchase price of \$10.0 million which was received in December 2014. Pursuant to this agreement, Astellas agreed to certain trading and other restrictions with respect to the Company's common stock. The Company determined the fair value of the stock issued to Astellas to be \$9.1 million. The excess of cash received over fair value of \$0.9 million was deferred along with the license and research and development services. Allocated consideration will be recognized as revenue for the single unit of accounting above, as services are performed following the proportional performance model over the initial research term of the Amended Astellas Agreement.

Following the common stock purchase, Astellas was determined to be a related party. As such, all revenue earned following the common stock purchase will be classified as related party revenue.

Research and development revenue from Astellas was as follows (in thousands):

| | Year Ended December 31, 2014 | Year Ended December 31, 2013 |
|---|------------------------------------|------------------------------------|
| Research and development revenues with related parties: | | |
| Research and development milestone fees | \$ 15,000 | |
| Research and development revenues: | | |
| Reimbursement of internal costs | 8,939 | 3,285 |
| Reimbursement of other costs | 6,452 | 3,130 |
| Research and development milestone fees | 2,000 | |
| Total research and development revenue from Astellas | \$ 32,391 | \$ 6,415 |

At December 31, 2014, the Company had \$33.6 million of deferred revenue under the Amended Astellas Agreement, reflecting the unrecognized portion of the license revenue and prepayment on expenses expected to be incurred in the first quarter of 2015.

Indemnification of Directors and Officers

We have entered into indemnification agreements with each of our directors and officers, which require us to indemnify its directors and officers to the fullest extent permitted by Delaware law.

OTHER MATTERS

The information contained above under the captions Compensation and Talent Committee Report and Report of the Audit Committee of the Board of Directors shall not be deemed to be soliciting material or to be filed with the SEC, nor shall such information be incorporated by reference into any future filing under the Securities Act of 1933, as amended, or the Exchange Act, except to the extent that we specifically incorporate it by reference into such filing.

We know of no other matters to be submitted to the meeting. If any other matters properly come before the meeting, it is the intention of the persons named in the enclosed form Proxy to vote the shares they represent as the Board of Directors may recommend.

THE BOARD OF DIRECTORS

Dated: March 30, 2015

CYTOKINETICS, INCORPORATED

AMENDED AND RESTATED 2004 EQUITY INCENTIVE PLAN

AMENDED BY THE BOARD OF DIRECTORS: FEBRUARY 6, 2013

APPROVED BY STOCKHOLDERS: MAY 22, 2013

AMENDED TO REFLECT THE REVERSE STOCK SPLIT: JUNE 25, 2013

AMENDED AND RESTATED BY THE BOARD OF DIRECTORS: FEBRUARY 3, 2015

APPROVED BY STOCKHOLDERS: [MAY 20, 2015]

1. PURPOSES OF THE PLAN AND PERMITTED AWARDS.

The purposes of this Plan are to attract and retain the best available personnel for positions of substantial responsibility, to provide additional incentive to Employees, Directors and Consultants, and to promote the success of the Company's business. The Plan permits the grant of Incentive Stock Options, Nonstatutory Stock Options, Restricted Stock, Restricted Stock Units, Stock Appreciation Rights, Performance Units and Performance Shares.

2. SHARES SUBJECT TO THE PLAN.

(a) Shares Subject to the Plan. Subject to adjustments as specified in Section 12 of the Plan, the maximum aggregate number of Shares that may be issued under the Plan is 7,737,190 Shares. The Shares may be authorized, but unissued, or reacquired Stock.

(b) Treatment of Lapsed Awards. To the extent that an Award terminates, expires, or lapses for any reason, any shares of Stock subject to the Award shall again be available for the grant of an Award pursuant to the Plan. Any shares of Stock tendered or withheld to satisfy the grant or exercise price or tax withholding obligation pursuant to any Award shall be treated as issued under this Plan and shall be deducted from the aggregate number of shares which may be issued under Section 2(a). Shares of Stock repurchased on the open market with the proceeds of an exercise price shall not again be available for the grant of an Award pursuant to the Plan. Notwithstanding that a Stock Appreciation Right may be settled by the delivery of a net number of shares of Stock, the full number of shares of Stock underlying such Stock Appreciation Right shall not again be available for the grant of an Award pursuant to the Plan. In addition, no shares of Stock may again be optioned, granted or awarded if such action would cause an Incentive Stock Option to fail to qualify as such under Section 422 of the Code.

(c) Calculation of Share Reserve Under the Fungible Ratio. For purposes of determining the number of shares of Stock issuable or transferred pursuant to Section 2(a), each share of Stock which is issued or transferred pursuant to a Full Value Award (i) prior to May 20, 2015, shall be treated as if two shares of Stock had been so issued or transferred, and (ii) on and after May 20, 2015, shall be treated as if 1.17 shares of Stock had been so issued or transferred. To the extent there is issued a share of Stock pursuant to a Full Value Award that counted as more than one share against the number of shares available for issuance under this Section and such share of Stock again becomes available for issuance under the Plan pursuant to this Section, then the number of shares of Stock available for issuance under the Plan shall increase by (A) two shares of Stock for shares returning prior to May 20, 2015, and (B) 1.17 shares of Stock for shares returning on and after May 20, 2015. To the extent permitted by Applicable Law or any exchange rule, shares of Stock issued in assumption of, or in substitution for, any outstanding awards of any entity acquired in any form of combination by the Company or any Subsidiary shall not be counted against shares of Stock available for grant pursuant to this Plan. The payment of Dividend Equivalents in cash in conjunction with any outstanding Awards shall not be counted against the shares available for issuance under the Plan.

(d) Incentive Stock Option Limit. Subject to the provisions of Section 12 relating to capitalization adjustments, the aggregate maximum number of shares of Stock that may be issued pursuant to the exercise of Incentive Stock Options will be 7,737,190 shares of Stock.

(e) Section 162(m) Limitations. Subject to the provisions of Section 12 relating to capitalization adjustments: (i) a maximum of 500,000 shares of Stock subject to Options, SARs and Other Stock Awards (such shares of Stock subject to adjustment to reflect any stock split on or before the Effective Date) whose value is determined by reference to an increase over an exercise or strike price of at least 100% of the Fair Market Value on the date the Stock Award is granted may be granted to any one Participant during any one calendar year, (ii) a maximum of 500,000 shares of Stock subject to Performance Stock Unit Awards may be granted to any one Participant during any one calendar year (whether the grant, vesting or exercise is contingent upon the attainment during the Performance Period of the Performance Goals) and (iii) a maximum of \$4,000,000 may be granted as a Performance Cash Award to any one Participant during any one calendar year. If a Performance Stock Unit Award is in the form of an Option, it will count only against the Performance Stock Award limit. If a Performance Stock Unit Award could (but is not required to) be paid out in cash, it will count only against the Performance Stock Award limit.

(f) Share Reserve. The Company, during the term of this Plan, will at all times reserve and keep available such number of Shares as will be sufficient to satisfy the requirements of the Plan.

3. ADMINISTRATION OF THE PLAN.

(a) Procedure. Unless and until the Board delegates administration to a Committee as set forth below, the Plan shall be administered by the Board. The Board may delegate administration of the Plan to a Committee or Committees of one or more members of the Board. If administration is delegated to a Committee, the Committee shall have the powers theretofore possessed by the Board, including the power to delegate to a subcommittee any of the administrative powers the Committee is authorized to exercise. The Board may designate different Committees to administer the Plan with respect to different groups of Service Providers. To the extent that the Administrator determines it to be desirable to qualify Awards granted hereunder as *performance-based compensation* within the meaning of Section 162(m) of the Code, the Plan will be administered by a Committee of two or more *outside directors* within the meaning of Section 162(m) of the Code.

(b) Powers of the Administrator. Subject to the provisions of the Plan, and in the case of a Committee, subject to the specific duties delegated by the Board to such Committee, the Administrator will have the authority, in its discretion:

(i) to determine the Fair Market Value;

(ii) to select the Service Providers to whom Awards may be granted hereunder;

(iii) to determine the number of Shares to be covered by each Award granted hereunder and the date of grant; the date of grant of an Award will be, for all purposes, the date on which the Administrator makes the determination granting such Award, or such later date as is determined by the Administrator;

(iv) to approve forms of agreement for use under the Plan;

(v) to determine the terms and conditions, not inconsistent with the terms of the Plan, of any Award granted hereunder. Such terms and conditions include, but are not limited to, the exercise price, the time or times when Awards may be exercised (which may be based on performance criteria), any vesting acceleration or waiver of forfeiture restrictions, and any restriction or limitation regarding any Award or the Shares relating thereto, based in each case on such factors as the Administrator will determine;

(vi) to construe and interpret the terms of the Plan and Awards granted pursuant to the Plan;

(vii) to prescribe, amend and rescind rules and regulations relating to the Plan, including rules and regulations relating to sub-plans established for the purpose of satisfying applicable foreign laws;

(viii) to modify or amend each Award (subject to Section 19(c) of the Plan); *provided, however*, that Board may amend the terms of an Award without the affected Participant's consent if necessary (A) to maintain the qualified status of the Award as an Incentive Stock Option, (B) to clarify the manner of exemption from, or to bring the Award into compliance with, Section 409A of the Code, or (C) to comply with other Applicable Law;

(ix) to determine the terms and conditions of any, and with the approval of the Company's stockholders, to institute an Exchange Program;

(x) to authorize any person to execute on behalf of the Company any instrument required to effect the grant of an Award previously granted by the Administrator;

(xi) to allow a Participant to defer the receipt of the payment of cash or the delivery of Shares that would otherwise be due to such Participant under an Award; and

(xii) to make all other determinations deemed necessary or advisable for administering the Plan.

(c) Prohibition Against Repricing. Subject to adjustments made pursuant to Section 14, in no event shall the Administrator have the right to amend the terms of any Award to reduce the exercise price of such outstanding Award or cancel an outstanding Award in exchange for cash or other Awards with an exercise price that is less than the exercise price of the original Award without stockholder approval.

(d) Effect of Administrator's Decision. The Administrator's decisions, determinations and interpretations will be final and binding on all Participants and any other holders of Awards.

4. ELIGIBILITY.

Nonstatutory Stock Options, Restricted Stock, Restricted Stock Units, Stock Appreciation Rights, Performance Units and Performance Shares may be granted to Service Providers. Incentive Stock Options may be granted only to Employees.

5. TERMS RELATING TO STOCK OPTIONS AND STOCK APPRECIATION RIGHTS.

Each Option or SAR will be in such form and will contain such terms and conditions as the Board deems appropriate. All Options will be separately designated Incentive Stock Options or Nonstatutory Stock Options at the time of grant, and, if certificates are issued, a separate certificate or certificates will be issued for shares of Stock purchased on exercise of each type of Option. If an Option is not specifically designated as an Incentive Stock Option, or if an Option is designated as an Incentive Stock Option but some portion or all of the Option fails to qualify as an Incentive Stock Option under the applicable rules, then the Option (or portion thereof) will be a Nonstatutory Stock Option. The provisions of separate Options or SARs need not be identical; *provided, however*, that each Award Agreement will conform to (through incorporation of provisions hereof by reference in the applicable Award Agreement or otherwise) the substance of each of the following provisions:

(a) Term of Option. The term of each Option or SAR will be stated in the Award Agreement and will not exceed ten years from the date of grant, except that in the case of an Incentive Stock Option granted to a Participant who is a Ten Percent Stockholder, the term of the Incentive Stock Option may not be more than five years from the date of grant.

(b) Exercise Price. The exercise or strike price of each Option or SAR will be not less than 100% of the Fair Market Value of the Stock on the date the Award is granted, except that for Options or SARs granted to a Ten Percent Stockholder, the exercise or strike price of each Option or SAR will not be less than 110% of the Fair Market Value of the Stock on the date of grant. Notwithstanding the foregoing, an Option or SAR may be granted with an exercise or strike price lower than 100% of the Fair Market Value of the Stock subject to the Award if such Award is granted pursuant to an assumption of or substitution for another option or stock appreciation right pursuant to a Corporate Transaction and in a manner consistent with the provisions of Section 409A and, if applicable, Section 424(a) of the Code. Each SAR will be denominated in shares of Stock equivalents.

(c) Waiting Period and Exercise Dates. At the time an Option or SAR is granted, the Administrator will fix the period within which the Option or SAR may be exercised and will determine the vesting requirements and any other conditions that must be satisfied before the Option or SAR may be exercised.

(d) Exercise of an Option. The Administrator will determine the acceptable method (which may be electronic) and form of consideration for exercising an Option, including the method of payment. Such consideration may include: (i) cash; (ii) check; (iii) promissory note, to the extent permitted by Applicable Laws;

(iv) other Shares, provided that such Shares have a Fair Market Value on the date of surrender equal to the aggregate exercise price of the Shares as to which said Option will be exercised and provided that accepting such Shares, in the sole discretion of the Administrator, shall not result in any adverse accounting consequences to the Company; (iv) consideration received by the Company under a cashless exercise program implemented by the Company in connection with the Plan; (vi) such other consideration and method of payment for the issuance of Shares to the extent permitted by Applicable Laws; or (vii) any combination of the foregoing methods of payment. In the case of an Incentive Stock Option, the Administrator will specify in the Award Agreement the acceptable forms of consideration.

(e) Exercise and Payment of a SAR. The Administrator will determine the acceptable method (which may be electronic) to exercise any outstanding SAR. The appreciation distribution payable on the exercise of a SAR will be not greater than an amount equal to the excess of (i) the aggregate Fair Market Value (on the date of the exercise of the SAR) of a number of shares of Stock equal to the number of Stock equivalents in which the Participant is vested under such SAR, and with respect to which the Participant is exercising the SAR on such date, over (ii) the strike price. The appreciation distribution may be paid in Stock, in cash, in any combination of the two or in any other form of consideration, as determined by the Board and contained in the Award Agreement evidencing such SAR.

(f) Termination of Relationship as a Service Provider. Except as otherwise provided in the applicable Award Agreement, if a Participant ceases to be a Service Provider, other than for Cause or upon the Participant's death or Disability, any unvested portion of the Option or SAR shall terminate and will revert to the Plan, and the Participant may exercise the vested portion of his or her Option or SAR until the earlier of three months following the Participant's termination, or expiration of the Option or SAR. If the Participant does not exercise his or her Option or SAR within the time specified, the Option or SAR will terminate, and the Shares covered by such Option or SAR will revert to the Plan. In the case of a Participant terminated for Cause, the Option or SAR will terminate immediately upon such Participant's termination as a Service Provider, and the Participant will be prohibited from exercising his or her Option or SAR from and after the date of such termination for Cause.

(g) Disability of Participant. Except as otherwise provided in the applicable Award Agreement, if a Participant ceases to be a Service Provider as a result of the Participant's Disability, any unvested portion of the Option or SAR shall terminate and will revert to the Plan, and the Participant may exercise the vested portion of his or her Option or SAR until the earlier of 12 months following the Participant's termination, or expiration of the Option or SAR. If the Participant does not exercise his or her Option or SAR within the time specified, the Option or SAR will terminate, and the Shares covered by such Option or SAR will revert to the Plan.

(h) Death of Participant. Except as otherwise provided in the applicable Award Agreement, if a Participant dies while a Service Provider, any unvested portion of the Option or SAR shall terminate and will revert to the Plan, and the Participant's properly designated beneficiary may exercise the Option or SAR until the earlier of 12 months following Participant's death, or until expiration of the term of such Option or SAR. If no such beneficiary has been designated by the Participant, then such Option or SAR may be exercised by the personal representative of the Participant's estate or by the person(s) to whom the Option or SAR is transferred pursuant to the Participant's will or in accordance with the laws of descent and distribution. If the Option or SAR is not so exercised within the time specified herein, the Award will terminate, and the Shares covered by such Option or SAR will revert to the Plan.

6. RESTRICTED STOCK.

(a) Grant of Restricted Stock. The Administrator may grant Shares of Restricted Stock to Service Providers in such amounts as the Administrator, in its sole discretion, will determine.

(b) Restricted Stock Agreement. Each Award of Restricted Stock will be evidenced by an Award Agreement that will specify the Period of Restriction, the number of Shares granted, and such other terms and conditions as the Administrator will determine. Unless the Administrator determines otherwise, Shares of Restricted Stock will be held by the Company as escrow agent until the restrictions on such Shares have lapsed. The Administrator may impose such other restrictions on Shares of Restricted Stock as it may deem advisable or appropriate.

(c) Transferability. Except as provided in this Section 6, Shares of Restricted Stock may not be sold, transferred, pledged, assigned, or otherwise alienated or hypothecated until the end of the applicable Period of Restriction.

(d) Removal of Restrictions. Except as otherwise provided in this Section 6, Shares of Restricted Stock covered by each Restricted Stock grant made under the Plan will be released from escrow as soon as practicable after the last day of the Period of Restriction. The Administrator, in its discretion, may accelerate the time at which any restrictions will lapse or be removed.

(e) Voting Rights. During the Period of Restriction, Service Providers holding Shares of Restricted Stock granted hereunder may exercise full voting rights with respect to those Shares, unless the Administrator determines otherwise.

(f) Dividends and Other Distributions. During the Period of Restriction, Service Providers holding Shares of Restricted Stock will be entitled to receive all dividends and other distributions paid with respect to such Shares unless otherwise provided in the Award Agreement. Any such dividends will be subject to the same restrictions on transferability and forfeitability as the Shares of Restricted Stock with respect to which they were paid.

(g) Return of Restricted Stock to Company. On the date set forth in the Award Agreement, the Restricted Stock for which restrictions have not lapsed will revert to the Company and again will become available for grant under the Plan.

7. RESTRICTED STOCK UNITS.

(a) Grant of Restricted Stock Units; Vesting and Other Terms. Restricted Stock Units may be granted to Service Providers at any time with the number of Units to be determined by the Administrator. The Administrator will set service-based or other vesting provisions in its discretion which, depending on the extent to which they are met, will determine the number of Shares to be issued to the Service Providers. Each Award of Restricted Stock Units will be evidenced by an Award Agreement that will specify the vesting schedule, and such other terms and conditions as the Administrator, in its sole discretion, will determine.

(b) Earning of Restricted Stock Units; Form and Timing of Payment. Upon vesting of Restricted Stock Units, the holder thereof will be issued that the number of shares of Stock. Issuance of Shares upon the vesting of Restricted Stock Units will be made as soon as practicable after vesting, but in no event later than the time required to avoid adverse tax consequences under Section 409A of the Code.

(c) Cancellation of Restricted Stock Units. If a holder of Restricted Stock Units terminates service prior to the vesting of all Units or as otherwise provided in an Award Agreement, all unvested Restricted Stock Units will be forfeited and will again be available for grant under the Plan.

8. PERFORMANCE UNITS AND PERFORMANCE SHARES.

(a) Grant of Performance Units and Performance Shares. Performance Units and Performance Shares may be granted to Service Providers at any time as determined by the Administrator, in such numbers and subject to such other terms and conditions as determined by the Administrator, in its discretion. For Performance Units or Performance Shares intended to qualify as performance-based compensation within the meaning of Section 162(m) of the Code, (i) no Participant will receive Performance Units/Shares having an initial value greater than \$4,000,000, and (ii) no Participant will receive more than 500,000 Performance Units/Shares. Notwithstanding the foregoing limitation, for Performance Units/Shares intended to qualify as performance-based compensation within the meaning of Section 162(m) of the Code, in connection with his or her initial service, a Service Provider may be granted up to an additional 500,000 Performance Units/Shares.

(b) Section 162(m) Performance Restrictions. For purposes of qualifying grants of Performance Units/Shares as performance-based compensation under Section 162(m) of the Code, the Administrator, in its discretion, may set restrictions based upon the achievement of Performance Goals. The Performance Goals will be set by the Administrator on or before the Determination Date. In granting Performance Units/Shares which are

intended to qualify under Section 162(m) of the Code, the Administrator will follow any procedures determined by it from time to time to be necessary or appropriate to ensure qualification of the Award under Section 162(m) of the Code (e.g., in determining the Performance Goals).

(c) Value of Performance Units/Shares. Each Performance Unit will have an initial value that is established by the Administrator on or before the date of grant. Each Performance Share will have an initial value equal to the Fair Market Value of a Share on the date of grant.

(d) Performance Objectives and Other Terms. The Administrator will set performance objectives or other vesting provisions in its discretion which, depending on the extent to which they are met, will determine the number or value of Performance Units/Shares that will be paid out to the Service Providers. Each Award of Performance Units/Shares will be evidenced by an Award Agreement that will specify the Performance Period, and such other terms and conditions as the Administrator will determine. The Administrator may set performance objectives based upon the achievement of Company-wide, divisional, or individual goals, applicable federal or state securities laws, or any other basis determined by the Administrator in its discretion.

(e) Earning of Performance Units/Shares. After the applicable Performance Period has ended, the holder of Performance Units/Shares will be entitled to receive a payout of the number of Performance Units/Shares earned by the Participant over the Performance Period, to be determined as a function of the extent to which the corresponding performance objectives or other vesting provisions have been achieved. After the grant of a Performance Unit/Share, the Administrator, in its sole discretion, may reduce or waive any performance objectives or other vesting provisions for such Performance Unit/Share.

(f) Form and Timing of Payment of Performance Units/Shares. Payment of earned Performance Units/Shares will be made as soon as practicable after the expiration of the applicable Performance Period. The Administrator may pay earned Performance Units/Shares in the form of cash, in Shares (which have an aggregate Fair Market Value equal to the value of the earned Performance Units/Shares at the close of the applicable Performance Period) or in a combination thereof.

(g) Cancellation of Performance Units/Shares. On the date set forth in the Award Agreement, all unearned or unvested Performance Units/Shares will be forfeited and will again be available for grant under the Plan.

9. PERFORMANCE GOALS.

The granting and/or vesting of Awards of Restricted Stock, Restricted Stock Units, Performance Shares and Performance Units and other incentives under the Plan may be made subject to the attainment of performance goals relating to one or more business criteria within the meaning of Section 162(m) of the Code and may provide for a targeted level or levels of achievement (*Performance Goals*) including, with respect to the Company or any business unit: (a) cash position, (b) clinical progression, (c) collaboration arrangements, (d) collaboration progression, (e) earnings per share, (f) a financing event, (g) net income, (h) operating cash flow, (i) market share, (j) operating expenses, (k) operating income, (l) product approval, (m) product revenues, (n) profit after tax, (o) projects in development, (p) regulatory filings, (q) return on assets, (r) return on equity, (s) revenue growth, and (t) total stockholder return, (u) implementation of, progression in or completion of projects or processes (including, without limitation, progress in research or development programs, progress in regulatory or compliance initiatives, clinical trial initiation, clinical trial enrollment, clinical trial results, new or supplemental indications for existing products, regulatory filing submissions, regulatory filing acceptances, regulatory or advisory committee interactions, regulatory approvals, product supply and systems development and implementation), (v) completion of a joint venture or other corporate transaction, (w) employee retention, (x) budget management and (y) to the extent that an Award is not intended to comply with Section 162(m) of the Code, other measures of performance selected by the Board. Prior to the Determination Date, the Administrator will determine whether any significant element(s) will be included in or excluded from the calculation of any Performance Goal with respect to any Participant. Any Performance Goals may be used to measure the performance of the Company as a whole or a business unit of the Company and may be measured relative to a peer group or index or to another Performance Goal. With respect to any Award, Performance Goals may be used

alone or in combination. The Performance Goals may differ from Participant to Participant and from Award to Award. Prior to the Determination Date, the Administrator will determine whether any significant element(s) will be included in or excluded from the calculation of any Performance Goal with respect to any Participant. In all other respects, Performance Goals will be calculated in accordance with the Company's financial statements, generally accepted accounting principles, or under a methodology established by the Administrator prior to the issuance of an Award. In determining the amounts earned by a Participant pursuant to an Award intended to qualified as performance-based compensation under Section 162(m) of the Code, the Administrator will have the right to reduce or eliminate (but not to increase) the amount payable at a given level of performance to take into account additional factors that the Administrator may deem relevant to the assessment of individual or corporate performance for the Performance Period. A Participant will be eligible to receive payment pursuant to an Award intended to qualify as performance-based compensation under Section 162(m) of the Code for a Performance Period only if the Performance Goals for such period are achieved.

10. LEAVES OF ABSENCE.

Unless the Administrator provides otherwise, vesting of Awards granted hereunder will be suspended during any unpaid leave of absence. A Service Provider will not cease to be an Employee in the case of (a) any leave of absence approved by the Company or (b) transfers between locations of the Company or between the Company, its Parent, or any Subsidiary. For purposes of Incentive Stock Options, no such leave may exceed 90 days, unless reemployment upon expiration of such leave is guaranteed by statute or contract. If reemployment upon expiration of a leave of absence approved by the Company is not so guaranteed, then six months and a day following the 1st day of such leave any Incentive Stock Option held by the Participant will cease to be treated as an Incentive Stock Option and will be treated for tax purposes as a Nonstatutory Stock Option.

11. TRANSFERABILITY OF AWARDS.

Unless determined otherwise by the Administrator, an Award may not be sold, pledged, assigned, hypothecated, transferred, or disposed of in any manner other than by will or by the laws of descent or distribution and may be exercised, during the lifetime of the Participant, only by the Participant. If the Administrator makes an Award transferable, such Award will contain such additional terms and conditions as the Administrator deems appropriate; provided, however, that the Administrator may only make an Award transferable to one or more of the following: (a) a family member (as defined pursuant to Rule 701 of the Securities Act of 1933, as amended) of the Participant; (b) a trust for the benefit of one or more of the Participant or the persons referred to in clause (a); (c) a partnership, limited liability company or corporation in which the Participant or the persons referred to in clause (a) are the only partners, members or stockholders; or (d) charitable donations.

12. ADJUSTMENTS; DISSOLUTION OR LIQUIDATION; MERGER OR CHANGE IN CONTROL.

(a) Adjustments. In order to prevent diminution or enlargement of the benefits or potential benefits intended to be made available under the Plan, in the event that any dividend or other distribution (whether in the form of cash, Shares, other securities, or other property), recapitalization, stock split, reverse stock split, reorganization, merger, consolidation, split-up, spin-off, combination, repurchase, or exchange of Shares or other securities of the Company, or other change in the corporate structure of the Company affecting the Shares occurs, the Administrator shall appropriately adjust the number and class of Shares that may be delivered under the Plan and/or the number, class, and price of Shares covered by each outstanding Award, the numerical Share limits as specified throughout the Plan.

(b) Dissolution or Liquidation. In the event of the proposed dissolution or liquidation of the Company, the Administrator will notify each Participant as soon as practicable prior to the effective date of such proposed transaction. To the extent it has not been previously exercised, an Award will terminate immediately prior to the consummation of such proposed action.

(c) Change in Control. In the event of a Change in Control, each outstanding Award will be assumed or an equivalent option or right substituted by the successor corporation or a Parent or Subsidiary of the successor

corporation. In the event that the successor corporation refuses to assume or substitute for the Award, the Participant will fully vest in and have the right to exercise all of his or her outstanding Options and SARs, including Shares as to which such Awards would not otherwise be vested or exercisable, all restrictions on Restricted Stock shall lapse, and, with respect to Performance Shares, Restricted Stock Units and Performance Units, all performance goals or other vesting criteria will be deemed achieved at target levels and all other terms and conditions met.

(i) For the purposes of this subsection (c), an Award will be considered assumed if, following the Change in Control, the Award confers the right to purchase or receive, for each Share subject to the Award immediately prior to the Change in Control, the fair market value of the consideration received in the merger or Change in Control by holders of Stock for each Share held on the effective date of the transaction; provided, however, that if such consideration received in the Change in Control is not solely stock of the successor corporation or its Parent, the Administrator may, with the consent of the successor corporation, provide for the consideration to be received to be solely stock of the successor corporation or its Parent equal in fair market value to the per share consideration received by holders of Stock in the Change in Control. The continuation or imposition of vesting terms or other restrictions on Awards in connection with a Change of Control shall not prevent such Awards from being considered assumed for purposes of this Section.

(ii) Notwithstanding the above, an Award that vests, is earned or paid-out upon the satisfaction of one or more performance goals will not be considered assumed if the Company or its successor modifies any of such performance goals without the Participant's consent; *provided, however*, a modification to such performance goals only to reflect the successor corporation's post-Change in Control corporate structure will not be deemed to invalidate an otherwise valid Award assumption.

(iii) If an Option or SAR is not assumed or substituted for in the event of a Change in Control, the Administrator will notify the Participant that the Option or SAR will be fully vested and exercisable for a stated period of time prior to the Change of Control, as determined by the Administrator, and the Option or SAR will terminate upon the expiration of such period.

(iv) With respect to Awards granted to an Outside Director that are assumed or substituted for, if on the date of or following such assumption or substitution the Participant's status as a Director or a director of the successor corporation, as applicable, is terminated other than upon a voluntary resignation by the Participant not at the request of the successor, then the Participant will fully vest in all Awards, and shall have the right to exercise Options and SARs for such periods as provided in the applicable Award Agreement.

13. TAX WITHHOLDING.

(a) **Withholding Requirements.** Prior to the delivery of any Shares or cash pursuant to an Award (or exercise thereof), the Company will have the power and the right to deduct or withhold, or require a Participant to remit to the Company, an amount sufficient to satisfy federal, state, local, foreign or other taxes (including the Participant's FICA obligation) required to be withheld with respect to such Award (or exercise thereof).

(b) **Withholding Arrangements.** The Administrator, in its sole discretion and pursuant to such procedures as it may specify from time to time, may permit a Participant to satisfy such tax withholding obligation, in whole or in part by (without limitation) (i) paying cash, (ii) electing to have the Company withhold otherwise deliverable cash or Shares having a Fair Market Value equal to the amount required to be withheld, (iii) delivering to the Company already-owned Shares having a Fair Market Value equal to the amount required to be withheld, or (iv) selling a sufficient number of Shares otherwise deliverable to the Participant through such means as the Administrator may determine in its sole discretion (whether through a broker or otherwise) equal to the amount required to be withheld. The amount of the withholding requirement will be deemed to include any amount which the Administrator agrees may be withheld at the time the election is made, not to exceed the amount determined by using the maximum federal, state or local marginal income tax rates applicable to the Participant with respect to the Award on the date that the amount of tax to be withheld is to be determined. The Fair Market Value of the Shares to be withheld or delivered will be determined as of the date that the taxes are required to be withheld.

14. CLAWBACK AND RECOVERY OF AWARDS.

All Awards granted under the Plan will be subject to recoupment in accordance with any clawback policy that the Company is required to adopt pursuant to the listing standards of any national securities exchange or association on which the Company's securities are listed or as is otherwise required by the Dodd-Frank Wall Street Reform and Consumer Protection Act or other applicable law. In addition, the Board may impose such other clawback, recovery or recoupment provisions in an Award Agreement as the Board determines necessary or appropriate, including but not limited to a reacquisition right in respect of previously acquired shares of Stock or other cash or property upon the occurrence of Cause.

15. CONDITIONS UPON ISSUANCE OF SHARES.

(a) Legal Compliance. Shares will not be issued pursuant to the exercise of an Award unless the exercise of such Award and the issuance and delivery of such Shares will comply with Applicable Laws and will be further subject to the approval of counsel for the Company with respect to such compliance.

(b) Investment Representations. As a condition to the exercise of an Award, the Company may require the person exercising such Award to represent and warrant at the time of any such exercise that the Shares are being purchased only for investment and without any present intention to sell or distribute such Shares if, in the opinion of counsel for the Company, such a representation is required.

16. AMENDMENT AND TERMINATION OF THE PLAN.

(a) Amendment and Termination. The Administrator may at any time amend, alter, suspend or terminate the Plan. The Company will obtain stockholder approval of any Plan amendment to the extent necessary and desirable to comply with Applicable Laws. Unless earlier terminated or extended, the Plan will continue in effect until May 20, 2025, at which time it shall terminate without further action on the part of the Board or the Company.

(b) Effect of Amendment or Termination. No amendment, alteration, suspension or termination of the Plan will impair the rights of any Participant, without the consent of the Participant. Termination of the Plan will not affect the Administrator's ability to exercise the powers granted to it hereunder with respect to Awards granted under the Plan prior to the date of such termination.

17. MISCELLANEOUS

(a) Not An Employment or Service Contract. Neither the Plan nor any Award will confer upon a Participant any right with respect to continuing the Participant's relationship as a Service Provider with the Company, nor will they interfere in any way with the Participant's right or the Company's right to terminate such relationship at any time, with or without cause, to the extent permitted by Applicable Laws.

(b) Inability to Obtain Authority. The inability of the Company to obtain authority from any regulatory body having jurisdiction, which authority is deemed by the Company's counsel to be necessary to the lawful issuance and sale of any Shares hereunder, will relieve the Company of any liability in respect of the failure to issue or sell such Shares as to which such requisite authority will not have been obtained.

(c) Electronic Delivery. Any reference herein to a written agreement or document will include any agreement or document delivered electronically, filed publicly at www.sec.gov (or any successor website thereto) or posted on the Company's intranet (or other shared electronic medium controlled by the Company to which the Participant has access).

(d) Compliance with Section 409A of the Code. Unless otherwise expressly provided for in an Award Agreement, the Plan and Award Agreements will be interpreted to the greatest extent possible in a manner that makes the Plan and the Awards granted hereunder exempt from Section 409A of the Code, and, to the extent not so exempt, in compliance with Section 409A of the Code. If the Board determines that any Award granted hereunder is not exempt from and is therefore subject to Section 409A of the Code, the Award Agreement

evidencing such Award will incorporate the terms and conditions necessary to avoid the consequences specified in Section 409A(a)(1) of the Code, and to the extent an Award Agreement is silent on terms necessary for compliance, such terms are hereby incorporated by reference into the Award Agreement. Notwithstanding anything to the contrary in this Plan (and unless the Award Agreement specifically provides otherwise), if the shares of Stock are publicly traded, and if a Participant holding an Award that constitutes deferred compensation under Section 409A of the Code is a specified employee for purposes of Section 409A of the Code, no distribution or payment of any amount that is due because of a separation from service (as defined in Section 409A of the Code without regard to alternative definitions thereunder) will be issued or paid before the date that is six months following the date of such Participant's separation from service (as defined in Section 409A of the Code without regard to alternative definitions thereunder) or, if earlier, the date of the Participant's death, unless such distribution or payment can be made in a manner that complies with Section 409A of the Code, and any amounts so deferred will be paid in a lump sum on the day after such six month period elapses, with the balance paid thereafter on the original schedule.

(e) **Choice of Law.** The law of the State of Delaware will govern all questions concerning the construction, validity and interpretation of this Plan, without regard to that state's conflict of laws rules.

18. DEFINITIONS.

As used herein, the following definitions will apply:

(a) **Administrator** means the Board or any of its Committees as will be administering the Plan, in accordance with Section 3 of the Plan.

(b) **Affiliate** means, at the time of determination, any parent or subsidiary of the Company as such terms are defined in Rule 405 of the Securities Act. The Board will have the authority to determine the time or times at which parent or subsidiary status is determined within the foregoing definition.

(c) **Applicable Law** means the requirements relating to the administration of equity-based awards under U.S. federal and state corporate laws, U.S. federal and state securities laws, the Code, any stock exchange or quotation system on which the Stock is listed or quoted and the applicable laws of any foreign country or jurisdiction where Awards are, or will be, granted under the Plan.

(d) **Award** means, individually or collectively, a grant under the Plan of Options, SARs, Restricted Stock, Restricted Stock Units, Performance Units or Performance Shares.

(e) **Award Agreement** means the written or electronic agreement setting forth the terms and provisions applicable to each Award granted under the Plan. The Award Agreement is subject to the terms and conditions of the Plan.

(f) **Board** means the Board of Directors of the Company.

(g) **Cause** means, in the absence of any written agreement between the Participant and the Company defining such term, with respect to a Participant, the occurrence of any of the following events: (i) such Participant's commission of any felony or any crime involving fraud, dishonesty or moral turpitude under the laws of the United States or any state thereof; (ii) such Participant's attempted commission of, or participation in, a fraud or act of dishonesty against the Company; (iii) such Participant's intentional, material violation of any contract or agreement between the Participant and the Company or of any statutory duty owed to the Company; (iv) such Participant's unauthorized use or disclosure of the Company's confidential information or trade secrets; or (v) such Participant's gross misconduct. The determination that a termination of the Participant is either for Cause or without Cause will be made by the Company, in its sole discretion. Any determination by the Company that the service of a Participant was terminated with or without Cause for the purposes of outstanding Awards held by such Participant under the Plan will have no effect upon any determination of the rights or obligations of the Company or such Participant for any other purpose.

(h) **Change in Control** means the occurrence of any of the following events:

(i) Any **person** (as such term is used in Sections 13(d) and 14(d) of the Exchange Act) becomes the **beneficial owner** (as defined in Rule 13d-3 of the Exchange Act), directly or indirectly, of securities of the

Company representing fifty percent (50%) or more of the total voting power represented by the Company's then outstanding voting securities; or

(ii) The consummation of the sale or disposition by the Company of all or substantially all of the Company's assets;

(iii) A change in the composition of the Board occurring within a two-year period, as a result of which less than a majority of the directors are Incumbent Directors. **Incumbent Directors** means directors who either (A) are Directors as of the effective date of the Plan, or (B) are elected, or nominated for election, to the Board with the affirmative votes of at least a majority of the Incumbent Directors at the time of such election or nomination (but will not include an individual whose election or nomination is in connection with an actual or threatened proxy contest relating to the election of directors to the Company); or

(iv) The consummation of a merger or consolidation of the Company with any other corporation, other than a merger or consolidation which would result in the voting securities of the Company outstanding immediately prior thereto continuing to represent (either by remaining outstanding or by being converted into voting securities of the surviving entity or its parent) at least fifty percent (50%) of the total voting power represented by the voting securities of the Company or such surviving entity or its parent outstanding immediately after such merger or consolidation.

(i) **Code** means the Internal Revenue Code of 1986, as amended. Any reference to a section of the Code will be a reference to any successor or amended section of the Code.

(j) **Committee** means a committee of Directors appointed by the Board in accordance with Section 3 of the Plan.

(k) **Company** means Cytokinetics, Incorporated, a Delaware corporation, or any successor thereto.

(l) **Consultant** means any person, including an advisor, engaged by the Company or a Parent or Subsidiary to render services to such entity.

(m) **Determination Date** means the latest possible date that will not jeopardize the qualification of an Award granted under the Plan as performance-based compensation under Section 162(m) of the Code.

(n) **Director** means a member of the Board.

(o) **Disability** means total and permanent disability as defined in Section 22(e)(3) of the Code, provided that in the case of Awards other than Incentive Stock Options, the Administrator in its discretion may determine whether a permanent and total disability exists in accordance with non-discriminatory standards.

(p) **Employee** means any person employed by the Company or any Parent or Subsidiary of the Company.

(q) **Exchange Act** means the Securities Exchange Act of 1934, as amended.

(r) **Exchange Program** means a program under which (i) outstanding Awards are surrendered or cancelled in exchange for Awards of the same type (which may have lower exercise prices and different terms), Awards of a different type, and/or cash, (ii) Participants would have the opportunity to transfer any outstanding Awards to a financial institution or other person or entity selected by the Administrator, and/or (iii) the exercise price of an outstanding Award is reduced. The Administrator will determine the terms and conditions of any Exchange Program in its sole discretion, subject to the provisions of Section 4(c).

(s) **Fair Market Value** means, as of any date, the value of Stock determined as follows:

(i) If the Stock is listed on any established stock exchange or a national market system, including without limitation the NASDAQ Global Market, the NASDAQ Global Select Market or the NASDAQ Capital Market, its Fair Market Value will be the closing sales price for such stock (or the closing bid, if no sales were reported) as quoted on such exchange or system on the day of determination, as reported in The Wall Street Journal or such other source as the Administrator deems reliable;

(ii) If the Stock is regularly quoted by a recognized securities dealer but selling prices are not reported, the Fair Market Value of a Share of Stock will be the mean between the high bid and low asked prices for the

Stock on the day of determination, as reported in The Wall Street Journal or such other source as the Administrator deems reliable; or

(iii) In the absence of an established market for the Stock, the Fair Market Value will be determined in good faith by the Administrator.

(t) **Fiscal Year** means the fiscal year of the Company.

(u) **Full Value Award** means any Award other than an Option, SAR or other Award for which the Participant pays the intrinsic value (whether directly or by forgoing a right to receive a payment from the Company).

(v) **Incentive Stock Option** means an Option intended to qualify as an incentive stock option within the meaning of Section 422 of the Code and the regulations thereunder.

(w) **Nonstatutory Stock Option** means an Option that by its terms does not qualify or is not intended to qualify as an Incentive Stock Option.

(x) **Officer** means a person who is an officer of the Company within the meaning of Section 16 of the Exchange Act and the rules thereunder.

(y) **Option** means a stock option granted pursuant to the Plan.

(z) **Outside Director** means a Director who is not an Employee.

(aa) **Parent** means a **parent corporation**, whether now or hereafter existing, as defined in Section 424(e) of the Code.

(bb) **Participant** means the holder of an outstanding Award.

(cc) **Performance Period** means any Fiscal Year or such other period as determined by the Administrator in its sole discretion.

(dd) **Performance Share** or **Performance Unit** means an Award granted to a Participant pursuant to Section 8.

(ee) **Period of Restriction** means the period during which the transfer of Shares of Restricted Stock are subject to restrictions and therefore, the Shares are subject to a substantial risk of forfeiture. Such restrictions may be based on the passage of time, the achievement of target levels of performance, or the occurrence of other events as determined by the Administrator.

(ff) **Plan** means this Amended and Restated 2004 Equity Incentive Plan.

(gg) **Restricted Stock** means shares of Stock issued pursuant to a Restricted Stock Award under Section 6 of the Plan, or issued pursuant to the early exercise of an Option.

(hh) **Restricted Stock Unit** shall mean a bookkeeping entry representing an amount equal to the Fair Market Value of one Share, granted pursuant to Section 7. Each Restricted Stock Unit represents an unfunded and unsecured obligation of the Company.

(ii) **Rule 16b-3** means Rule 16b-3 of the Exchange Act or any successor to Rule 16b-3, as in effect when discretion is being exercised with respect to the Plan.

(jj) **Section 16(b)** means Section 16(b) of the Exchange Act.

(kk) **Service Provider** means an Employee, Director or Consultant.

(ll) **Share** means a share of the Stock, as adjusted in accordance with Section 12 of the Plan.

(mm) **Stock** means the Common Stock of the Company.

(nn) **Stock Appreciation Right** or **SAR** means an Award, granted alone or in connection with an Option, that pursuant to Section 5 is designated as a SAR.

12.

(oo) **Subsidiary** means a **subsidiary corporation** , whether now or hereafter existing, as defined in Section 424(f) of the Code.

(pp) **Ten Percent Stockholder** means a person who Owns (or is deemed to Own pursuant to Section 424(d) of the Code) stock possessing more than 10% of the total combined voting power of all classes of stock of the Company or any Affiliate.

CYTOKINETICS, INCORPORATED

2015 EMPLOYEE STOCK PURCHASE PLAN

ADOPTED BY THE BOARD OF DIRECTORS: FEBRUARY 3, 2015

APPROVED BY THE STOCKHOLDERS: [MAY 20, 2015]

EFFECTIVE DATE: NOVEMBER 1, 2015

1. PURPOSE AND EFFECTIVE DATE.

(a) The purpose of this 2015 Employee Stock Purchase Plan is to provide a means by which Eligible Employees of Cytokinetics, Incorporated and certain designated Related Corporations may be given an opportunity to purchase shares of the Company's Stock. The Plan is intended to permit the Company to grant a series of Purchase Rights to Eligible Employees under an Employee Stock Purchase Plan. The Company, by means of the Plan, seeks to retain the services of such Employees, to secure and retain the services of new employees and to provide incentives for such persons to exert maximum efforts for the success of the Company and its related corporations. Capitalized terms have the meaning ascribed to them in Section 14.

(b) The Company's 2004 Employee Stock Purchase Plan, as amended (the *2004 ESPP*) became effective in connection with the Company's initial public offering in 2004. If this Plan is approved by shareholders, the 2004 ESPP will be terminated effective October 30, 2015 according to resolutions of the Board of Directors, and this Plan will become effective November 1, 2015 (the *Effective Date*).

2. ADMINISTRATION.

(a) The Board will administer the Plan unless and until the Board delegates administration of the Plan to a Committee or Committees, as provided in Section 2(c).

(b) The Board will have the power, subject to, and within the limitations of, the express provisions of the Plan:

(i) To determine how and when Purchase Rights to purchase shares of Stock will be granted and the provisions of each Offering of such Purchase Rights (which need not be identical).

(ii) To designate from time to time which Related Corporations of the Company will be eligible to participate in the Plan.

(iii) To construe and interpret the Plan and Purchase Rights, and to establish, amend and revoke rules and regulations for its administration. The Board, in the exercise of this power, may correct any defect, omission or inconsistency in the Plan, in a manner and to the extent it will deem necessary or expedient to make the Plan fully effective.

(iv) To settle all controversies regarding the Plan and Purchase Rights granted under it.

(v) To suspend or terminate the Plan at any time as provided in Section 12.

(vi) To amend the Plan at any time as provided in Section 12.

(vii) Generally, to exercise such powers and to perform such acts as it deems necessary or expedient to promote the best interests of the Company and its Related Corporations and to carry out the intent that the Plan be treated as an Employee Stock Purchase Plan.

(viii) To adopt such procedures and sub-plans as are necessary or appropriate to permit participation in the Plan by Employees who are foreign nationals or employed outside the United States.

(c) The Board may delegate some or all of the administration of the Plan to a Committee or Committees. If administration is delegated to a Committee, the Committee will have, in connection with the administration of the Plan, the powers theretofore possessed by the Board that have been delegated to the Committee, including the power to delegate to a subcommittee any of the administrative powers the Committee is authorized to exercise (and references in this Plan to the Board will thereafter be to the Committee or subcommittee), subject, however, to such resolutions, not inconsistent with the provisions of the Plan, as may be adopted from time to time by the Board. The Board may retain the authority to concurrently administer the Plan with the Committee and may, at any time, revert in the Board some or all of the powers previously delegated. Whether or not the Board has delegated administration of the Plan to a Committee, the Board will have the final power to determine all questions of policy and expediency that may arise in the administration of the Plan.

(d) All determinations, interpretations and constructions made by the Board in good faith will not be subject to review by any person and will be final, binding and conclusive on all persons.

3. SHARES OF STOCK SUBJECT TO THE PLAN.

(a) Subject to the provisions of Section 11(a) relating to Capitalization Adjustments, the shares of Stock that may be sold pursuant to Purchase Rights will not exceed in the aggregate (i) 500,000 shares of Stock, plus (ii) any shares of Stock remaining in the reserve of the Company's 2004 Employee Stock Purchase Plan upon its termination.

(b) If any Purchase Right granted under the Plan will terminate without having been exercised in full, the shares of Stock not purchased under such Purchase Right will again become available for issuance under the Plan.

(c) The stock purchasable under the Plan will be shares of authorized but unissued or reacquired Stock, including shares repurchased by the Company on the open market.

4. GRANT OF PURCHASE RIGHTS; OFFERING.

(a) The Board may from time to time grant or provide for the grant of Purchase Rights to purchase shares of Stock under the Plan to Eligible Employees in an Offering (consisting of one or more Purchase Periods) on an Offering Date or Offering Dates selected by the Board. Each Offering will be in such form and will contain such terms and conditions as the Board will deem appropriate, which will comply with the requirement of Section 423(b)(5) of the Code that all Employees granted Purchase Rights will have the same rights and privileges. The terms and conditions of an Offering will be incorporated by reference into the Plan and treated as part of the Plan. The provisions of separate Offerings need not be identical, but each Offering will include (through incorporation of the provisions of this Plan by reference in the document comprising the Offering or otherwise) the period during which the Offering will be effective, which period will not exceed 27 months beginning with the Offering Date, and the substance of the provisions contained in Sections 5 through 8, inclusive.

(b) If a Participant has more than one Purchase Right outstanding under the Plan, unless he or she otherwise indicates in agreements or notices delivered hereunder: (i) each agreement or notice delivered by that Participant will be deemed to apply to all of his or her Purchase Rights under the Plan, and (ii) a Purchase Right with a lower exercise price (or an earlier-granted Purchase Right, if different Purchase Rights have identical exercise prices) will be exercised to the fullest possible extent before a Purchase Right with a higher exercise price (or a later-granted Purchase Right if different Purchase Rights have identical exercise prices) will be exercised.

(c) The Board will have the discretion to structure an Offering so that if the Fair Market Value of the shares of Stock on the first Trading Day of a new Purchase Period within that Offering is less than or equal to the Fair Market Value of the shares of Stock on the Offering Date, then (i) that Offering will terminate immediately, and (ii) the Participants in such terminated Offering will be automatically enrolled in a new Offering beginning on the first Trading Day of such new Purchase Period.

5. ELIGIBILITY.

(a) Purchase Rights may be granted only to Employees of the Company or, as the Board may designate as provided in Section 2(b), to Employees of a Related Corporation. Except as provided in Section 5(b), an Employee will not be eligible to be granted Purchase Rights under the Plan unless, on the Offering Date, such Employee has been in the employ of the Company or the Related Corporation, as the case may be, for such continuous period preceding such Offering Date as the Board may require, but in no event will the required period of continuous employment be greater than two years. In addition, the Board may provide that no Employee will be eligible to be granted Purchase Rights under the Plan unless, on the Offering Date, such Employee's customary employment with the Company or the Related Corporation is more than 20 hours per week and more than five months per calendar year or such other criteria as the Board may determine consistent with Section 423 of the Code.

(b) The Board may provide that each person who, during the course of an Offering, first becomes an Eligible Employee will, on a date or dates specified in the Offering which coincides with the day on which such person becomes an Eligible Employee or which occurs thereafter, receive a Purchase Right under that Offering, which Purchase Right will thereafter be deemed to be a part of that Offering. Such Purchase Right will have the same characteristics as any Purchase Rights originally granted under that Offering, as described herein, except that:

(i) the date on which such Purchase Right is granted will be the Offering Date of such Purchase Right for all purposes, including determination of the exercise price of such Purchase Right;

(ii) the period of the Offering with respect to such Purchase Right will begin on its Offering Date and end coincident with the end of such Offering; and

(iii) the Board may provide that if such person first becomes an Eligible Employee within a specified period of time before the end of the Offering, he or she will not receive any Purchase Right under that Offering.

(c) No Employee will be eligible for the grant of any Purchase Rights under the Plan if, immediately after any such Purchase Rights are granted, such Employee owns stock possessing five percent or more of the total combined voting power or value of all classes of stock of the Company or of any Related Corporation. For purposes of this Section 5(c), the rules of Section 424(d) of the Code will apply in determining the stock ownership of any Employee, and stock which such Employee may purchase under all outstanding Purchase Rights and options will be treated as stock owned by such Employee.

(d) As specified by Section 423(b)(8) of the Code, an Eligible Employee may be granted Purchase Rights under the Plan only if such Purchase Rights, together with any other rights granted under all Employee Stock Purchase Plans of the Company and any Related Corporations, do not permit such Eligible Employee's rights to purchase stock of the Company or any Related Corporation to accrue at a rate which exceeds \$25,000 of Fair Market Value of such stock (determined at the time such rights are granted, and which, with respect to the Plan, will be determined as of their respective Offering Dates) for each calendar year in which such rights are outstanding at any time.

(e) Officers of the Company and any designated Related Corporation who are otherwise Eligible Employees, will be eligible to participate in Offerings under the Plan. Notwithstanding the foregoing, the Board may provide in an Offering that Employees who are highly compensated Employees within the meaning of Section 423(b)(4)(D) of the Code will not be eligible to participate.

6. PURCHASE RIGHTS; PURCHASE PRICE.

(a) On each Offering Date, each Eligible Employee, pursuant to an Offering made under the Plan, will be granted a Purchase Right to purchase up to that number of shares of Stock purchasable either with a percentage or with a maximum dollar amount, as designated by the Board, but in either case not exceeding 15% of such Employee's earnings (as defined by the Board in each Offering) during the period that begins on the Offering Date (or such later date as the Board determines for a particular Offering) and ends on the date stated in the Offering, which date will be no later than the end of the Offering.

(b) The Board will establish one or more Purchase Dates during an Offering as of which Purchase Rights granted pursuant to that Offering will be exercised and purchases of shares of Stock will be carried out in accordance with such Offering.

(c) In connection with each Offering made under the Plan, the Board may specify a maximum number of shares of Stock that may be purchased by any Participant on any Purchase Date during such Offering. In connection with each Offering made under the Plan, the Board may specify a maximum aggregate number of shares of Stock that may be purchased by all Participants pursuant to such Offering. In addition, in connection with each Offering that contains more than one Purchase Date, the Board may specify a maximum aggregate number of shares of Stock that may be purchased by all Participants on any Purchase Date under the Offering. If the aggregate purchase of shares of Stock issuable upon exercise of Purchase Rights granted under the Offering would exceed any such maximum aggregate number, then, in the absence of any Board action otherwise, a pro rata allocation of the shares of Stock available will be made in as nearly a uniform manner as will be practicable and equitable.

(d) The purchase price of shares of Stock acquired pursuant to Purchase Rights will be not less than the lesser of: (i) an amount equal to 85% of the Fair Market Value of the shares of Stock on the Offering Date; or (ii) an amount equal to 85% of the Fair Market Value of the shares of Stock on the applicable Purchase Date.

7. PARTICIPATION; WITHDRAWAL; TERMINATION.

(a) A Participant may elect to authorize payroll deductions pursuant to an Offering under the Plan by completing and delivering to the Company, within the time specified in the Offering, an enrollment form (in such form as the Company may provide). Each such enrollment form will authorize an amount of Contributions expressed as a percentage of the submitting Participant's earnings (as defined in each Offering) during the Offering (not to exceed the maximum percentage specified by the Board). Each Participant's Contributions will be credited to a bookkeeping account for such Participant under the Plan and will be deposited with the general funds of the Company except where applicable law requires that Contributions be deposited with a third party. To the extent provided in the Offering, a Participant may begin such Contributions after the beginning of the Offering. To the extent provided in the Offering, a Participant may thereafter reduce (including to zero) or increase his or her Contributions. To the extent specifically provided in the Offering, in addition to making Contributions by payroll deductions, a Participant may make Contributions through the payment by cash or check prior to each Purchase Date of the Offering.

(b) During an Offering, a Participant may cease making Contributions and withdraw from the Offering by delivering to the Company a notice of withdrawal in such form as the Company may provide. Such withdrawal may be elected at any time prior to the end of the Offering, except as provided otherwise in the Offering. Upon such withdrawal from the Offering by a Participant, the Company will distribute to such Participant all of his or her accumulated Contributions (reduced to the extent, if any, such Contributions have been used to acquire shares of Stock for the Participant) under the Offering, and such Participant's Purchase Right in that Offering will thereupon terminate. A Participant's withdrawal from an Offering will have no effect upon such Participant's eligibility to participate in any other Offerings under the Plan, but such Participant will be required to deliver a new enrollment form in order to participate in subsequent Offerings.

(c) Purchase Rights granted pursuant to any Offering under the Plan will terminate immediately upon a Participant ceasing to be an Employee for any reason or for no reason (subject to any post-employment participation period required by law) or other lack of eligibility. The Company will distribute to such terminated or otherwise ineligible Employee all of his or her accumulated Contributions (reduced to the extent, if any, such Contributions have been used to acquire shares of Stock for the terminated or otherwise ineligible Employee) under the Offering.

(d) Purchase Rights will not be transferable by a Participant except by will, the laws of descent and distribution, or by a beneficiary designation as provided in Section 10. During a Participant's lifetime, Purchase Rights will be exercisable only by such Participant.

(e) Unless otherwise specified in an Offering, the Company will have no obligation to pay interest on Contributions.

8. EXERCISE OF PURCHASE RIGHTS.

(a) On each Purchase Date during an Offering, each Participant's accumulated Contributions will be applied to the purchase of shares of Stock up to the maximum number of shares of Stock permitted pursuant to the terms of the Plan and the applicable Offering, at the purchase price specified in the Offering. No fractional shares will be issued upon the exercise of Purchase Rights unless specifically provided for in the Offering.

(b) If any amount of accumulated Contributions remains in a Participant's account after the purchase of shares of Stock and such remaining amount is less than the amount required to purchase one share of Stock on the final Purchase Date of an Offering, then such remaining amount will be held in such Participant's account for the purchase of shares of Stock under the next Offering under the Plan, unless such Participant withdraws from such next Offering, as provided in Section 7(b), or is not eligible to participate in such Offering, as provided in Section 5, in which case such amount will be distributed to such Participant after the final Purchase Date, without interest. If the amount of Contributions remaining in a Participant's account after the purchase of shares of Stock is at least equal to the amount required to purchase one whole share of Stock on the final Purchase Date of the Offering, then such remaining amount will be distributed in full to such Participant at the end of the Offering without interest.

(c) No Purchase Rights may be exercised to any extent unless the shares of Stock to be issued upon such exercise under the Plan are covered by an effective registration statement pursuant to the Securities Act and the Plan is in material compliance with all applicable federal, state, foreign and other securities and other laws applicable to the Plan. If on a Purchase Date during any Offering hereunder the shares of Stock are not so registered or the Plan is not in such compliance, no Purchase Rights or any Offering will be exercised on such Purchase Date, and the Purchase Date will be delayed until the shares of Stock are subject to such an effective registration statement and the Plan is in such compliance, except that the Purchase Date will not be delayed more than 12 months and the Purchase Date will in no event be more than 27 months from the Offering Date. If, on the Purchase Date under any Offering hereunder, as delayed to the maximum extent permissible, the shares of Stock are not registered and the Plan is not in such compliance, no Purchase Rights or any Offering will be exercised and all Contributions accumulated during the Offering (reduced to the extent, if any, such Contributions have been used to acquire shares of Stock) will be distributed to the Participants without interest.

9. COVENANTS OF THE COMPANY.

The Company will seek to obtain from each federal, state, foreign or other regulatory commission or agency having jurisdiction over the Plan such authority as may be required to issue and sell shares of Stock upon exercise of the Purchase Rights. If, after commercially reasonable efforts, the Company is unable to obtain from any such regulatory commission or agency the authority that counsel for the Company deems necessary for the lawful issuance and sale of Stock under the Plan, the Company will be relieved from any liability for failure to issue and sell Stock upon exercise of such Purchase Rights unless and until such authority is obtained.

10. DESIGNATION OF BENEFICIARY.

(a) A Participant may file a written designation of a beneficiary who is to receive any shares of Stock and/or cash, if any, from the Participant's account under the Plan in the event of such Participant's death subsequent to the end of an Offering but prior to delivery to the Participant of such shares of Stock or cash. In addition, a Participant may file a written designation of a beneficiary who is to receive any cash from the Participant's account under the Plan in the event of such Participant's death during an Offering. Any such designation will be on a form provided by or otherwise acceptable to the Company.

(b) The Participant may change such designation of beneficiary at any time by written notice to the Company. In the event of the death of a Participant and in the absence of a beneficiary validly designated under

the Plan who is living at the time of such Participant's death, the Company will deliver such shares of Stock and/or cash to the executor or administrator of the estate of the Participant, or if no such executor or administrator has been appointed (to the knowledge of the Company), the Company, in its sole discretion, may deliver such shares of Stock and/or cash to the spouse or to any one or more dependents or relatives of the Participant, or if no spouse, dependent or relative is known to the Company, then to such other person as the Company may designate.

11. ADJUSTMENTS UPON CHANGES IN STOCK; CORPORATE TRANSACTIONS.

(a) In the event of a Capitalization Adjustment, the Board will appropriately and proportionately adjust: (i) the class(es) and maximum number of securities subject to the Plan pursuant to Section 3(a), (ii) the class(es) and maximum number of securities by which the share reserve is to increase automatically each year pursuant to Section 3(a), (iii) the class(es) and number of securities subject to, and the purchase price applicable to outstanding Offerings and Purchase Rights, and (iv) the class(es) and number of securities imposed by purchase limits under each ongoing Offering. The Board will make such adjustments, and its determination will be final, binding and conclusive.

(b) In the event of a Corporate Transaction, then: (i) any surviving corporation or acquiring corporation (or the surviving or acquiring corporation's parent company) may assume or continue Purchase Rights outstanding under the Plan or may substitute similar rights (including a right to acquire the same consideration paid to the stockholders in the Corporate Transaction) for those outstanding under the Plan, or (ii) if any surviving or acquiring corporation (or its parent company) does not assume or continue such Purchase Rights or does not substitute similar rights for Purchase Rights outstanding under the Plan, then the Participants' accumulated Contributions will be used to purchase shares of Stock within ten (10) business days prior to the Corporate Transaction under any ongoing Offerings, and the Participants' Purchase Rights under the ongoing Offerings will terminate immediately after such purchase.

12. AMENDMENT, TERMINATION OR SUSPENSION OF THE PLAN.

(a) The Board may amend the Plan at any time in any respect the Board deems necessary or advisable. However, except as provided in Section 11(a) relating to Capitalization Adjustments, stockholder approval will be required for any amendment of the Plan for which stockholder approval is required by applicable law or listing requirements, including any amendment that either (i) materially increases the number of shares of Stock available for issuance under the Plan, (ii) materially expands the class of individuals eligible to become Participants and receive Purchase Rights under the Plan, (iii) materially increases the benefits accruing to Participants under the Plan or materially reduces the price at which shares of Stock may be purchased under the Plan, (iv) materially extends the term of the Plan, or (v) expands the types of awards available for issuance under the Plan, but in each of (i) through (v) above only to the extent stockholder approval is required by applicable law or listing requirements.

(b) The Board may suspend or terminate the Plan at any time. No Purchase Rights may be granted under the Plan while the Plan is suspended or after it is terminated.

(c) Any benefits, privileges, entitlements and obligations under any outstanding Purchase Rights granted before an amendment, suspension or termination of the Plan will not be impaired by any such amendment, suspension or termination except (i) with the consent of the person to whom such Purchase Rights were granted, (ii) as necessary to comply with any laws, listing requirements, or governmental regulations (including, without limitation, the provisions of Section 423 of the Code and the regulations and other interpretive guidance issued thereunder relating to Employee Stock Purchase Plans) including without limitation any such regulations or other guidance that may be issued or amended after the Effective Date, or (iii) as necessary to obtain or maintain favorable tax, listing, or regulatory treatment.

13. MISCELLANEOUS PROVISIONS.

- (a) Proceeds from the sale of shares of Stock pursuant to Purchase Rights will constitute general funds of the Company.
- (b) A Participant will not be deemed to be the holder of, or to have any of the rights of a holder with respect to, shares of Stock subject to Purchase Rights unless and until the Participant's shares of Stock acquired upon exercise of Purchase Rights are recorded in the books of the Company (or its transfer agent).
- (c) The Plan and Offering do not constitute an employment contract. Nothing in the Plan or in the Offering will in any way alter the at will nature of a Participant's employment or be deemed to create in any way whatsoever any obligation on the part of any Participant to continue in the employ of the Company or a Related Corporation, or on the part of the Company or a Related Corporation to continue the employment of a Participant.
- (d) The provisions of the Plan will be governed by the laws of the State of Delaware without resort to that state's conflicts of laws rules.

14. DEFINITIONS.

The following definitions will apply to the capitalized terms used in the Plan:

- (a) **Board** means the Board of Directors of the Company.
- (b) **Capitalization Adjustment** means any change that is made in, or other events that occur with respect to, the Stock subject to the Plan or subject to any Purchase Right after the Effective Date without the receipt of consideration by the Company (through merger, consolidation, reorganization, recapitalization, reincorporation, stock dividend, dividend in property other than cash, stock split, liquidating dividend, combination of shares, exchange of shares, change in corporate structure or other similar transaction). Notwithstanding the foregoing, the conversion of any convertible securities of the Company will not be treated as a Capitalization Adjustment.
- (c) **Code** means the Internal Revenue Code of 1986, as amended.
- (d) **Committee** means a committee of one or more members of the Board to whom authority has been delegated by the Board in accordance with Section 2(c).
- (e) **Company** means Cytokinetics, Incorporated, a Delaware corporation.
- (f) **Contributions** means the payroll deductions and other additional payments specifically provided for in the Offering that a Participant contributes to fund the exercise of a Purchase Right. A Participant may make additional payments into his or her account, if specifically provided for in the Offering, and then only if the Participant has not already had the maximum permitted amount withheld during the Offering through payroll deductions.
- (g) **Corporate Transaction** means the occurrence, in a single transaction or in a series of related transactions, of any one or more of the following events:
 - (i) the sale or other disposition of all or substantially all, as determined by the Board in its sole discretion, of the consolidated assets of the Company and its Subsidiaries;
 - (ii) the sale or other disposition of at least 90% of the outstanding securities of the Company;
 - (iii) the merger, consolidation or similar transaction following which the Company is not the surviving corporation; or
 - (iv) the merger, consolidation or similar transaction following which the Company is the surviving corporation but the shares of Stock outstanding immediately preceding the merger, consolidation or similar transaction are converted or exchanged by virtue of the merger, consolidation or similar transaction into other property, whether in the form of securities, cash or otherwise.

- (h) **Director** means a member of the Board.
- (i) **Eligible Employee** means an Employee who meets the requirements set forth in the Offering for eligibility to participate in the Offering, provided that such Employee also meets the requirements for eligibility to participate set forth in the Plan.
- (j) **Employee** means any person who is employed for purposes of Section 423(b)(4) of the Code by the Company or a Related Corporation.
- (k) **Employee Stock Purchase Plan** means a plan that grants Purchase Rights intended to be options issued under an employee stock purchase plan, as defined in Section 423(b) of the Code.
- (l) **Exchange Act** means the Securities Exchange Act of 1934, as amended.
- (m) **Fair Market Value** means, as of any date, the value of the Stock determined as follows:
- (i) If the Stock is listed on any established stock exchange or traded on any established market, the Fair Market Value of a share of Stock will be the closing sales price for such stock as quoted on such exchange or market (or the exchange or market with the greatest volume of trading in the Stock) on the date of determination, as reported in such source as the Board deems reliable. Unless otherwise provided by the Board, if there is no closing sales price for the Stock on the date of determination, then the Fair Market Value will be the closing selling price (or closing bid if no sales were reported) on the last preceding date for which such quotation exists.
- (ii) In the absence of such markets for the Stock, the Fair Market Value will be determined by the Board in good faith.
- (n) **Offering** means the grant of Purchase Rights to purchase shares of Stock under the Plan to Eligible Employees.
- (o) **Offering Date** means a date selected by the Board for an Offering to commence.
- (p) **Officer** means a person who is an officer of the Company within the meaning of Section 16 of the Exchange Act and the rules and regulations promulgated thereunder.
- (q) **Participant** means an Eligible Employee who holds an outstanding Purchase Right granted pursuant to the Plan.
- (r) **Plan** means this Cytokinetics, Incorporated 2015 Employee Stock Purchase Plan.
- (s) **Purchase Date** means one or more dates during an Offering established by the Board on which Purchase Rights will be exercised and as of which purchases of shares of Stock will be carried out in accordance with such Offering.
- (t) **Purchase Period** means a period of time specified within an Offering beginning on the Offering Date or on the next Trading Day following a Purchase Date within an Offering and ending on a Purchase Date. An Offering may consist of one or more Purchase Periods.
- (u) **Purchase Right** means an option to purchase shares of Stock granted pursuant to the Plan.
- (v) **Related Corporation** means any parent corporation or subsidiary corporation of the Company whether now or subsequently established, as those terms are defined in Sections 424(e) and (f), respectively, of the Code.
- (w) **Securities Act** means the Securities Act of 1933, as amended.
- (x) **Stock** means the Common Stock of the Company.
- (y) **Trading Day** means any day on which the exchange(s) or market(s) on which shares of Stock are listed, including the Nasdaq Global Select Market, the Nasdaq Global Market, or the Nasdaq Capital Market, is open for trading.

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