

MOMENTA PHARMACEUTICALS INC  
Form DEF 14A  
April 27, 2016

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

**SCHEDULE 14A**

Proxy Statement Pursuant to Section 14(a) of  
the Securities Exchange Act of 1934 (Amendment No.       )

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 under §240.14a-12

**Momenta Pharmaceuticals, Inc.**

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(Name of Registrant as Specified In Its Charter)

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(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:
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  - (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):

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☐ 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:

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**MOMENTA PHARMACEUTICALS, INC.**  
**675 West Kendall Street**  
**Cambridge, Massachusetts 02142**

April 27, 2016

To Our Stockholders:

You are cordially invited to attend the 2016 Annual Meeting of Stockholders of Momenta Pharmaceuticals, Inc. to be held at 10:30 a.m., local time, on Wednesday, June 22, 2016, at the Hotel Marlowe, 25 Edwin H. Land Blvd., Cambridge, Massachusetts 02141.

The Notice of Meeting and Proxy Statement on the following pages describe the matters to be presented at the meeting.

It is important that your shares be represented at this meeting to assure the presence of a quorum. Whether or not you plan to attend the meeting, we hope that you will have your stock represented by voting your shares over the Internet or by telephone as provided in the instructions set forth on the enclosed proxy card, or by completing, signing, dating and returning your proxy in the enclosed envelope, *as soon as possible*. Your stock will be voted in accordance with the instructions you have given in your proxy.

Thank you for your continued support.

Sincerely,

Craig A. Wheeler  
*President and Chief Executive Officer*

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**MOMENTA PHARMACEUTICALS, INC.**  
**675 West Kendall Street**  
**Cambridge, Massachusetts 02142**

**NOTICE OF 2016 ANNUAL MEETING OF STOCKHOLDERS**

*To Be Held on June 22, 2016*

To Our Stockholders:

NOTICE IS HEREBY GIVEN that the 2016 Annual Meeting of Stockholders of Momenta Pharmaceuticals, Inc., or the Annual Meeting, will be held on Wednesday, June 22, 2016 at 10:30 a.m., local time, at the Hotel Marlowe, 25 Edwin H. Land Blvd., Cambridge, Massachusetts 02141. At the Annual Meeting, stockholders will consider and vote on the following matters:

1. to elect Thomas P. Koestler and Elizabeth Stoner to our board of directors to serve as Class III directors, each for a term of three years;
2. to ratify the appointment of Ernst & Young LLP as our independent registered public accounting firm for the year ending December 31, 2016;
3. to approve, on an advisory (non-binding) basis, the compensation of our named executive officers; and
4. to approve the Amendment and Restatement of the 2013 Incentive Award Plan that, among other things, increases the number of shares authorized for issuance by 4,250,000 shares.

The stockholders will also act on any other business that may properly come before the Annual Meeting or any postponement, continuation or adjournment thereof.

Stockholders of record at the close of business on Monday, April 25, 2016 are entitled to notice of, and to vote at, the Annual Meeting or any postponement, continuation or adjournment thereof. Your vote is important regardless of the number of shares you own.

We hope that all stockholders will be able to attend the Annual Meeting in person. However, to ensure that a quorum is present at the Annual Meeting, please vote your shares over the Internet or by telephone as provided in the instructions set forth on the enclosed proxy card, or complete, date, sign and promptly return the enclosed proxy card whether or not you expect to attend the Annual Meeting. A postage-prepaid envelope, addressed to Broadridge Financial Solutions, which is serving as proxy tabulator, has been enclosed for your convenience. If you attend the Annual Meeting in person, your proxy will, upon your written request, be returned to you and you may vote your shares in person.

By Order of the Board of Directors,

Bruce A. Leicher  
Secretary

Cambridge, Massachusetts  
April 27, 2016

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**MOMENTA PHARMACEUTICALS, INC.  
675 WEST KENDALL STREET  
CAMBRIDGE, MASSACHUSETTS 02142**

**PROXY STATEMENT**

*For the 2016 Annual Meeting of Stockholders  
to be held on Wednesday, June 22, 2016*

**GENERAL INFORMATION ABOUT VOTING**

This proxy statement and the enclosed proxy card are being furnished in connection with the solicitation of proxies by the board of directors of Momenta Pharmaceuticals, Inc., also referred to in this proxy statement as the "Company", "Momenta", "we" or "us", for use at the 2016 Annual Meeting of Stockholders to be held on Wednesday, June 22, 2016 at 10:30 a.m., local time, at the Hotel Marlowe, 25 Edwin H. Land Blvd., Cambridge, Massachusetts 02141, and at any postponement, continuation or adjournment thereof. You may obtain directions to the location of the Annual Meeting by contacting Bruce A. Leicher, Secretary, Momenta Pharmaceuticals, Inc., 675 West Kendall Street, Cambridge, Massachusetts 02142, telephone: (617) 491-9700.

Our 2015 Annual Report to Stockholders for the fiscal year ended December 31, 2015 is being mailed to stockholders with the mailing of these proxy materials on or about May 2, 2016.

**Important Notice Regarding the Availability of Proxy Materials for the Annual  
Meeting of Stockholders to be Held on June 22, 2016:**

This proxy statement and the 2015 Annual Report on Form 10-K to Stockholders are available for viewing, printing and downloading at <http://ir.momentapharma.com/annuals.cfm>.

A copy of our Annual Report on Form 10-K for the fiscal year ended December 31, 2015 as filed with the Securities and Exchange Commission, except for exhibits, will be furnished without charge to any stockholder upon request to Momenta Pharmaceuticals, Inc., 675 West Kendall Street, Cambridge, Massachusetts 02142, Attention: Bruce A. Leicher, facsimile: (617) 621- 0431, by calling (617) 491-9700 or is available on our website at <http://ir.momentapharma.com/annuals-proxies.cfm>.

**Momenta's Voting Securities**

Stockholders of record at the close of business on Monday, April 25, 2016, will be entitled to notice of, and to vote at, the Annual Meeting or any postponement, continuation or adjournment of the Annual Meeting. On that date, 70,915,860 shares of our common stock were issued and outstanding. Each share of common stock entitles the holder thereof to one vote with respect to all matters submitted to stockholders at the Annual Meeting. We have no other securities entitled to vote at the Annual Meeting.

**Voting Your Shares**

If you are the record holder of your shares, you may vote in one of four ways. You may vote by submitting your proxy over the Internet, by telephone, or by mail or you may vote in person at the Annual Meeting.





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*You may vote over the Internet.* If you have Internet access, you may vote your shares from any location in the world by following the "Vote by Internet" instructions set forth on the enclosed proxy card.

*You may vote by telephone.* You may vote your shares by following the "Vote by Phone" instructions set forth on the enclosed proxy card.

*You may vote by mail.* You may vote by completing, dating and signing the proxy card that accompanies this proxy statement and promptly mailing it in the enclosed postage-prepaid envelope. You do not need to put a stamp on the enclosed envelope if you mail it in the United States.

*You may vote in person.* If you attend the Annual Meeting, you may vote by delivering your completed proxy card in person or you may vote by completing a ballot. Ballots will be available at the meeting.

If the shares you own are held in your bank or brokerage firm account in a fiduciary capacity (typically referred to as being held in "street name"), you can vote by following the directions provided to you by your bank or brokerage firm. If the shares you own are held in street name and you wish to vote in person at the Annual Meeting, you must obtain a "legal proxy" from the organization that holds your shares. A legal proxy is a written document that will authorize you to vote your shares held in street name at the Annual Meeting. Please contact the organization that holds your shares for instructions on how to obtain a legal proxy. You must bring a copy of the legal proxy to the Annual Meeting and present it with your ballot in order for your vote to be counted.

### **Your Voting Instructions**

The shares represented by all valid proxies will be voted as specified in those proxies. If the shares you own are held in your name and you return a duly executed proxy without specifying how your shares are to be voted, they will be voted as follows in accordance with the recommendations of our board of directors:

FOR the election of Thomas P. Koestler and Elizabeth Stoner as Class III directors;

FOR the ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm;

FOR the approval, on an advisory (non-binding) basis, of the compensation of our named executive officers;

FOR the approval of the Amendment and Restatement of the 2013 Incentive Award Plan; and

in the discretion of the persons appointed as proxies on any other items that may properly come before the Annual Meeting.

If the shares you own are held in street name, the bank or brokerage firm, as the record holder of your shares, is required to vote your shares in accordance with your instructions. You should direct your broker how to vote the shares held in your account. Under applicable stock exchange rules, if you do not instruct your broker on how to vote your shares, your broker will be able to vote your shares with respect to certain "routine" matters, but will not be allowed to vote your shares with respect to certain "non-routine" matters. The ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm is a routine matter. Each other proposal to be voted on at the Annual Meeting is a non-routine matter. A broker "non-vote" occurs when a broker submits a proxy form but declines to vote on a particular matter because the broker has not received voting instructions from the beneficial owner.

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**Revoking Your Proxy or Changing Your Vote**

Voting over the Internet or by telephone or execution of a proxy will not in any way affect a stockholder's right to attend the Annual Meeting and vote in person. A proxy may be revoked before it is used to cast a vote. If the shares you own are held in your name, you can revoke a proxy by doing one of the following:

file with our Secretary, at or before the taking of the vote at the Annual Meeting, a written notice of revocation bearing a later date than the proxy;

duly execute a later-dated proxy relating to the same shares and deliver it to our Secretary before the taking of the vote; or

attend the Annual Meeting and vote in person. However, your attendance at the Annual Meeting will not automatically revoke your proxy unless you vote again at the Annual Meeting.

Any written notice of revocation or subsequent proxy should be sent to us at the following address: Momenta Pharmaceuticals, Inc., 675 West Kendall Street, Cambridge, MA 02142, Attention: Bruce A. Leicher, Secretary.

If the shares you own are held in street name, you will need to follow the directions provided to you by your bank or brokerage firm to change your vote.

**Votes Required**

The presence in person or representation by proxy of the holders of a majority of the shares of common stock issued and outstanding and entitled to vote at the Annual Meeting is necessary to establish a quorum for the transaction of business. If a quorum is not present, the Annual Meeting will be adjourned until a quorum is obtained.

The proposal regarding the election of directors requires the approval of a plurality of the votes cast. This means that the three nominees receiving the highest number of affirmative "FOR" votes will be elected as Class III directors. The ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm, the approval, on an advisory (non-binding) basis, of the compensation of our named executive officers and the approval of the Amendment and Restatement of the 2013 Incentive Award Plan each requires the approval of a majority of the voting power of the stock present or represented and voting on such matter. The votes will be counted, tabulated and certified by a representative of Broadridge Financial Solutions, the Company's inspector of elections for the Annual Meeting.

**Counting of Votes**

Votes withheld, abstentions and broker non-votes are included in the shares present or represented at the Annual Meeting for purposes of determining whether a quorum is present. With respect to the election of directors, votes withheld and broker non-votes will not affect the voting results. With respect to the proposal regarding the ratification of the appointment of the Company's independent registered public accounting firm, abstentions will not affect the voting results. Because brokers have discretionary authority to vote on the ratification of the independent registered public accounting firm, we do not expect any broker non-votes in connection with the ratification. With respect to all other proposals to be voted on at the Annual Meeting, abstentions and broker non-votes will not affect the voting results.

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**PROPOSAL ONE  
ELECTION OF DIRECTORS**

**Board Recommendation**

**The board of directors recommends a vote FOR the election of each of Thomas P. Koestler and Elizabeth Stoner as Class III directors.**

We have three classes of directors, currently consisting of three Class I directors, three Class II directors and three Class III directors. At each annual meeting, directors are elected for a term expiring on the date of the third annual meeting following the annual meeting at which they are elected. The terms of the three classes are staggered in a manner so that only one class is elected by stockholders annually. Thomas P. Koestler, Bennett M. Shapiro and Elizabeth Stoner are currently serving as Class III directors. Bennett M. Shapiro has not been nominated for re-election as a Class III director at the Annual Meeting. The Board has nominated two directors for election as Class III directors at the Annual Meeting: Thomas P. Koestler and Elizabeth Stoner. Proxies cannot be voted for a greater number of persons than the number of nominees named in this proposal. The Class III directors elected this year will serve as members of our board of directors until the 2019 annual meeting of stockholders and until their respective successors are elected and qualified or their earlier death, resignation or removal.

The persons named in the enclosed proxy card will vote or withhold from voting as directed on the proxy card (or through the Internet or telephonic voting) or, if you return a duly executed proxy card without specifying how your shares are to be voted, the persons named in the enclosed proxy card will vote to elect Mr. Koestler and Ms. Stoner as Class III directors. Mr. Koestler and Ms. Stoner currently serve on our board of directors. The nominees have indicated their willingness to continue to serve if elected. However, if any director nominee should be unable to serve, or for good cause will not serve, the shares of common stock represented by proxies may be voted for a substitute nominee designated by our board of directors, or our board of directors may reduce the number of Class III directors. Our board of directors has no reason to believe that any of the nominees will be unable to serve if elected.

No director, nominee for election as a director or executive officer is related by blood, marriage or adoption to any other director, nominee for election as a director or executive officer. No arrangements or understandings exist between any director or nominee for election as a director and any other person pursuant to whom such person is to be selected as a director or nominee for election as a director.

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The biography of each of our current Class I and Class II directors and the two Class III director nominees, is below. Each of the biographies also highlights specific experience, qualifications, attributes and skills that led our board to conclude that such person should serve as a director. We also believe that all of our director nominees have a reputation for integrity, honesty and adherence to high ethical standards and have each demonstrated business acumen and an ability to exercise sound judgment, as well as a commitment of service to our company and our board.

<b>Name</b>	<b>Age</b>	<b>Director Since</b>	<b>Principal Occupation, Other Business Experience During the Past Five Years and Other Directorships</b>
<b>Class I directors (terms to expire in 2017)</b>			
Bruce L. Downey(1)(2)	68	2009	Bruce Downey has been a director since June 2009. Mr. Downey has served as a Partner at NewSpring Capital, a venture capital firm, since April 2009. Previously, Mr. Downey was Chairman and Chief Executive Officer of Barr Pharmaceuticals, Inc., a global specialty pharmaceutical company that operated in more than 30 countries worldwide and was acquired by Teva Pharmaceuticals in 2008. Mr. Downey is a member of the board of directors of Cardinal Health, Inc. as well as privately held companies. Mr. Downey graduated with honors from Miami University in 1969 and received his law degree, cum laude, from Ohio State. Mr. Downey's qualifications to sit on the board include his significant experience serving as a chief executive officer of a global generic pharmaceutical company that also had a substantial brand business and an active biologics research and development program, his years serving as a lawyer in private practice and his experience serving on other boards of directors in the biopharmaceutical industry.
Marsha H. Fanucci(1)(3)	63	2005	Marsha H. Fanucci has been a director since March 2005. Ms. Fanucci served as Senior Vice President and Chief Financial Officer of Millennium Pharmaceuticals, Inc., a biopharmaceutical company, from July 2004 through January 2009. While at Millennium since 2000, she also served as Vice President, Finance and Corporate Strategy and Vice President, Corporate Development. (Millennium was acquired by Takeda Pharmaceutical Company Limited in May 2008 and is now Millennium: The Takeda Oncology Company). Ms. Fanucci is a member of the board of directors of Alnylam Pharmaceuticals, Inc. and Ironwood Pharmaceuticals, Inc. She received her B.S. in Pharmacy from West Virginia University and her M.B.A. from Northeastern University. Ms. Fanucci's qualifications to sit on the board are her expertise with public and financial accounting matters, and include her experience leading financial organizations in biotechnology companies.

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<b>Name</b>	<b>Age</b>	<b>Director Since</b>	<b>Principal Occupation, Other Business Experience During the Past Five Years and Other Directorships</b>
Georges Gemayel(1)(3)	56	2016	Dr. Georges Gemayel has been a director since January 2016. Since 2010, he has been a consultant for several biotechnology companies and venture capital funds. From 2008 to 2009, Dr. Gemayel was President and Chief Executive Officer of Altus Pharmaceuticals, Inc. In November 2009, while Dr. Gemayel was President and Chief Executive Officer, Altus filed a voluntary petition for relief under Chapter 7 of the United States Bankruptcy Code. From 2003 to 2008, he was Executive Vice President at Genzyme Corporation where he was responsible for the Company's worldwide therapeutics businesses. Dr. Gemayel is also a member of the boards of directors of Raptor Pharmaceutical Corp., Supernus Pharmaceuticals, Inc. and Dimension Therapeutics, Inc. as well as the Chairman of the boards of directors at several privately-held companies. Dr. Gemayel completed his Doctorate in Pharmacy at St. Joseph University in Beirut, Lebanon, and earned a Ph.D. in Pharmacology at Paris-Sud University in Paris, France. Dr. Gemayel's qualifications to sit on the board include his significant management and executive experience in the global pharmaceutical industry.
<b>Class II directors (terms to expire in 2018)(4)</b>			
James R. Sulat(1)(3)	65	2008	James R. Sulat has been a director since June 2008 and has served as chairman of the board since December 2008. From October 2009 to June 2013, Mr. Sulat served as the Chief Executive Officer and Chief Financial Officer of Maxygen, Inc., a biopharmaceutical company. Mr. Sulat is on the board of directors of Valneva SE, Diadexus, Inc., AMAG Pharmaceuticals, Inc. and Arch Therapeutics, Inc. During the last five years, Mr. Sulat served as a director of Maxygen, Inc. Mr. Sulat received a B.S. in Administrative Sciences from Yale University, and an M.B.A. and an M.S. in Health Services Administration from Stanford University. Mr. Sulat's qualifications to sit on the board include his experience with public and financial accounting matters, his experience as chief executive officer and chief financial officer at companies within the biopharmaceutical industry and his experience serving on other boards of directors in the biopharmaceutical industry.

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Name	Age	Director Since	Principal Occupation, Other Business Experience During the Past Five Years and Other Directorships
Craig A. Wheeler	55	2006	Craig A. Wheeler has served as our President and a director since August 2006 and was appointed our Chief Executive Officer effective September 2006. Prior to joining Momenta, Mr. Wheeler served as President of Chiron Biopharmaceuticals, a division of Chiron Corporation, a biotechnology company, from August 2001 until June 2006. Mr. Wheeler served as a director of Avanir Pharmaceuticals, Inc. from September 2005 to January 2015, including serving on the Governance and Audit Committees, and serving as Chairman of the board beginning May 2007. Since February 2014, Mr. Wheeler has been a member of the Generic Pharmaceutical Association. Mr. Wheeler received B.S. and M.S. degrees in chemical engineering from Cornell University and an M.B.A. degree from the Wharton School of the University of Pennsylvania. Mr. Wheeler's qualifications to sit on the board include his years of senior executive management experience in the biotechnology industry, including over seven years as our President and Chief Executive Officer and his experience serving on the board and committees at Avanir Pharmaceuticals.
Jose Carlos Gutierrez-Ramos(2)(5)	52	2016	Jose Carlos Gutierrez-Ramos, Ph.D. has served as a director since March 2016. Since May 2015, he has served as Chief Executive Officer and President of Synlogic, Inc., a pharmaceutical company. Prior to joining Synlogic, Dr. Gutierrez-Ramos was Group Senior Vice President of Worldwide Research and Development and Global Head of Biotherapeutics Research and Development at Pfizer Inc., a pharmaceutical company, from November 2009 to May 2015. Dr. Gutierrez-Ramos received a B.S. in chemistry from Universidad Complutense de Madrid and his Ph.D. in Immunology from the Universidad Autonoma de Madrid. Dr. Gutierrez-Ramos' qualifications to sit on the board include his senior executive experience in the pharmaceutical industry, including his significant experience in research and development.

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Name	Age	Director Since	Principal Occupation, Other Business Experience During the Past Five Years and Other Directorships
<b>Class III directors, nominees to be elected at the 2016 Annual Meeting (if elected, terms to expire in 2019)(6)</b>			
Thomas P. Koestler(2)(5)	64	2011	<p>Thomas P. Koestler, Ph.D. has been a director since January 2011. Since March 2010, Dr. Koestler has served as Executive Director at Vatera Healthcare Partners, a private equity company. Prior to joining Vatera Healthcare Partners, Dr. Koestler was Executive Vice President of Schering-Plough Corporation, a pharmaceutical company, and President of Schering-Plough Research Institute, the pharmaceutical research and development arm of Schering-Plough Corporation, which he joined in 2003. Dr. Koestler has also held senior positions at Pharmacia Corporation, Novartis AG, Ortho-McNeil and Bristol-Myers Squibb. Dr. Koestler is also a member of the board of directors of Novo Nordisk A/S and a number of privately-held companies. Dr. Koestler holds a BS degree in biology and genetics from Daemen College and a Ph.D. from the State University of New York, where he studied medicine and pathology. Dr. Koestler's qualifications to sit on the board include his years of senior executive experience in the pharmaceutical industry, including his involvement with over 80 product approvals during his career, including 30 related to new molecular entities.</p>

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Name	Age	Director Since	Principal Occupation, Other Business Experience During the Past Five Years and Other Directorships
Elizabeth Stoner(3)(5)	65	2007	Elizabeth Stoner, M.D., has been a director since October 2007. Since September 2012, Dr. Stoner has been the Chief Development Officer at Vascular Pharmaceuticals, Inc., a biotechnology company. Between March 2010 and December 2014, Dr. Stoner was the Chief Development Officer of Rhythm Pharmaceuticals, and since December 2014, she has been a member of Rhythm's Scientific Advisory Board. Since October 2007, Dr. Stoner has served as a Managing Director at MPM Capital, a healthcare venture capital firm. Prior to joining MPM Capital, Dr. Stoner had a distinguished 22-year career at Merck Research Laboratories. At the time of her retirement from Merck, Dr. Stoner was Senior Vice President of Global Clinical Development Operations with responsibility for the company's clinical development activities in more than 40 countries, including Merck's Japanese subsidiary. Prior to her position at Merck, she was an Assistant Professor of Pediatrics at Cornell University Medical College. Dr. Stoner served on the board of Radius Health, Inc. from 2011 to 2015. Dr. Stoner received her B.S. in Chemistry from Ottawa University, KS, her M.S. in Chemistry from the State University of New York at Stony Brook, and her M.D. from Albert Einstein College of Medicine. Dr. Stoner's qualifications to sit on the board include her more than 20 years of senior executive experience in the pharmaceutical industry, including her expertise in leading clinical development organizations.

- 
- (1) Member of audit committee.
- (2) Member of compensation committee.
- (3) Member of nominating and corporate governance committee.
- (4) John K. Clarke retired from the board effective December 31, 2015. Mr. Clarke served as a member of the audit committee and the compensation committee.
- (5) Member of science committee.
- (6) Bennett M. Shapiro is a current Class III director, but is not standing for re-election at the Annual Meeting. He is currently a member of the compensation and science committees.

For information relating to compensation of our directors, including shares of our common stock owned by and options granted to each of our directors, see the disclosure set forth under the headings "Executive Compensation Compensation of Directors" and "Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters."



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**MOMENTA'S CORPORATE GOVERNANCE**

**General**

We believe that good corporate governance is important to ensure that Momena is managed for the long-term benefit of our stockholders. We continuously review our corporate governance policies and practices, and compare them to those suggested by various authorities in corporate governance and the practices of other public companies.

This section describes key corporate governance practices that we have adopted, including the criteria we use in selecting Director nominees, our Board leadership structure and certain responsibilities and activities of the board of directors and its committees. Complete copies of our corporate governance guidelines, committee charters and code of conduct described below are available on the "Investors Corporate Governance" section of our website at [www.momentapharma.com](http://www.momentapharma.com). Alternatively, you may request a copy of any of these documents by writing to Momena Pharmaceuticals, Inc., 675 West Kendall Street, Cambridge, Massachusetts 02142, Attention: Bruce A. Leicher, Secretary, fax: (617) 621-0431.

**Corporate Governance Guidelines**

Our board of directors has adopted corporate governance guidelines to assist our directors in the exercise of their duties and responsibilities and to serve the best interests of Momena and its stockholders. These guidelines, which provide a framework for the conduct of the board of directors' business, provide, among other things, that:

the principal responsibility of the directors is to oversee the management of Momena;

a majority of the members of the board of directors must be independent directors;

the independent directors will meet periodically in executive session;

directors have full and free access to management and, as necessary and appropriate, independent advisors;

new directors will participate in an orientation program and all directors are expected to participate in continuing director education funded by the Company on an ongoing basis; and

at least annually the board of directors and its committees will conduct a self-evaluation to evaluate whether they are functioning effectively.

**Board Determination of Independence**

Under applicable NASDAQ rules, a director will only qualify as an "independent director" if, in the opinion of our board of directors, that person does not have a relationship which would interfere with the exercise of independent judgment in carrying out the responsibilities of a director. Our board of directors has determined that none of John K. Clarke, Bruce L. Downey, Marsha H. Fanucci, Georges Gemayel, Jose Carlos Gutierrez-Ramos, Thomas P. Koestler, Bennett M. Shapiro, Elizabeth Stoner and James R. Sulat has a relationship that would interfere with the exercise of independent judgment in carrying out the responsibilities of a director and that each of these directors is an "independent" director as that term is defined under applicable NASDAQ rules. Craig A. Wheeler is not an independent director under the NASDAQ rules due to his employment as Chief Executive Officer and President of the Company.

**Board Leadership Structure**

Our board separated the positions of chairman of the board and chief executive officer in 2005. Separating these positions allows our chief executive officer to focus on our day-to-day business,



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while allowing the chairman of the board to lead the board in its fundamental role of providing advice to and independent oversight of management and corporate governance. The board recognizes the time, effort, and energy that the chief executive officer is required to devote to his position, and further recognizes the commitment required to serve as chairman of the board, particularly as the board's oversight responsibilities continue to grow. While our bylaws and corporate governance guidelines do not require that our chairman and chief executive officer positions be separate, the board believes that our practice of having separate positions and having an independent outside director serve as chairman is the appropriate leadership structure for the company at this time. However, in the event that in the future the chairman of the board is not an independent director, our corporate governance guidelines provide that the nominating and corporate governance committee will nominate an independent director to serve as "Lead Director" who will be approved by a majority of the independent directors.

**The Board's Role in Risk Oversight**

Our board of directors administers its risk oversight function directly and through our board committees. The audit committee's role in the risk oversight process includes receiving regular reports from our compliance officer, who oversees our compliance program, members of senior management on our compliance committee who have functional compliance responsibility, and other members of senior management on areas of material risk to us, including operational, financial, legal, regulatory, strategic and reputational risks. The audit committee receives these reports from the appropriate compliance "risk owner" within the company to enable the audit committee to understand our risk identification, risk management and risk mitigation strategies. The chairwoman of the audit committee reports on these discussions to the full board during each regularly-scheduled board meeting. The compensation committee assists the board in fulfilling its oversight responsibilities with respect to the management of risks arising from our compensation policies and programs. The nominating and governance committee assists the board in fulfilling its oversight responsibilities with respect to corporate enterprise risk management as well as the management of risks associated with board organization, membership and structure, succession planning for our directors and executive officers, corporate governance, and potential legal issues that may impact the company, and also by reviewing the code of business conduct and ethics which creates a foundation for our compliance program. Our board of directors does not believe that its role in the oversight of our risks affects the board's leadership structure.

**Board Meetings and Attendance**

Our board of directors met eight times during the fiscal year ended December 31, 2015, either in person or by teleconference. During 2015, each director attended at least 75% of the aggregate of the total number of board meetings and committee meetings on which she or he then served.

**Director Attendance at Annual Meetings of Stockholders**

Our corporate governance guidelines provide that directors are expected to attend the annual meeting of stockholders. All of our then-current directors attended the 2015 annual meeting of stockholders.

**Board Committees**

Our board of directors has established four standing committees: audit, compensation, nominating and corporate governance and science, each of which operates under a charter that has been approved by our board of directors. Current copies of the audit, compensation, nominating and corporate governance and science committee charters are posted on the "Investors Corporate Governance" section of our website located at [www.momentapharma.com](http://www.momentapharma.com).

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Our board of directors has determined that all of the members of each of the audit, compensation and nominating and corporate governance committees are independent as defined under applicable NASDAQ rules, including, in the case of all members of the audit committee, the independence requirements contemplated by Rule 10A-3 under the Securities Exchange Act of 1934, as amended, or the Exchange Act and, in the case of all members of the compensation committee, the NASDAQ rules specific to the independence of compensation committee members.

***Audit Committee***

The audit committee currently consists of Marsha H. Fanucci, Bruce L. Downey, Georges Gemayel and James R. Sulat. Ms. Fanucci chairs the audit committee. The audit committee held ten meetings in 2015. Our audit committee's responsibilities include:

appointing, approving the compensation of, and assessing the independence of our independent registered public accounting firm;

overseeing the work of our independent registered public accounting firm, including the receipt and consideration of reports from the firm;

reviewing and discussing with management our annual and quarterly financial statements and related disclosures;

monitoring our internal control over financial reporting and disclosure controls and procedures;

discussing and monitoring our corporate compliance program and financial and accounting risk management policies;

establishing policies regarding hiring employees from the independent registered public accounting firm and procedures for the receipt and retention of accounting related complaints and concerns;

meeting with management and independently with our independent registered public accounting firm;

reviewing and approving or ratifying any related person transactions; and

preparing the audit committee report required by Securities and Exchange Commission rules, which is included below under "Report of the Audit Committee."

Our board of directors has determined that each of Marsha H. Fanucci, Bruce L. Downey and James R. Sulat is an "audit committee financial expert" as defined by applicable Securities and Exchange Commission rules.

***Compensation Committee***

The compensation committee currently consists of Bruce L. Downey, Jose-Carlos Gutierrez-Ramos, Thomas P. Koestler and Bennett M. Shapiro. Mr. Downey chairs the compensation committee. The compensation committee held eight meetings in 2015. Our compensation committee's responsibilities include:

reviewing and approving, or recommending for board approval, the compensation of our chief executive officer, or CEO, and our other executive officers;

overseeing an evaluation of our senior executives;

overseeing and administering our equity incentive plans;

reviewing and making recommendations to the board of directors with respect to director compensation;

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reviewing and discussing annually with management our "Compensation Discussion and Analysis," which is included below; and

preparing the compensation committee report required by Securities and Exchange Commission rules, which is included below under "Compensation Committee Report."

The processes and procedures followed by our compensation committee in considering and determining executive compensation are described below under the heading "Executive Compensation Processes."

***Nominating and Corporate Governance Committee***

Our nominating and corporate governance committee currently consists of Marsha H. Fanucci, Georges Gemayel, Elizabeth Stoner and James R. Sulat. Mr. Sulat chairs the nominating and corporate governance committee. The nominating and corporate governance committee held four meetings in 2015. Our nominating and corporate governance committee's responsibilities include:

identifying individuals qualified to become board members;

recommending to the board of directors the persons to be nominated for election as directors and to each of the board's committees;

reviewing and making recommendations to the board of directors with respect to director independence determinations under applicable NASDAQ rules;

reviewing and making recommendations to the board of directors with respect to management succession planning;

reviewing and assessing our code of business conduct and ethics;

overseeing our enterprise risk management program;

overseeing and periodically reviewing material litigation in which we are engaged;

developing and recommending to the board of directors corporate governance principles; and

overseeing an annual evaluation of the board of directors.

The processes and procedures followed by our nominating and corporate governance committee in identifying and evaluating director candidates are described below under the heading "Director Nomination Process."

***Science Committee***

Our science committee currently consists of Thomas P. Koestler, Jose Carlos Gutierrez-Ramos, Bennett M. Shapiro and Elizabeth Stoner. Dr. Shapiro chairs the science committee. The science committee held four meetings in 2015. Our science committee's responsibilities include:

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reviewing the scientific, clinical, regulatory and intellectual property strategies that underlie our major research and development programs;

reviewing the annual research and development budget and allocation of resources to certain of our programs;

reviewing the capability and skill set of the research and development organization; and

assessing the attainment of research and development milestones.

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**Compensation Committee Interlocks and Insider Participation**

The compensation committee currently consists of Bruce L. Downey, who serves as chairman, Jose Carlos Gutierrez-Ramos, Thomas P. Koestler and Bennett M. Shapiro.

During 2015, none of our executive officers served as a member of the board of directors or compensation committee, or other committee serving an equivalent function, of any other entity that has one or more of its executive officers serving as a member of our board of directors or compensation committee. None of the members of our compensation committee has ever been an employee of Momenta.

**Report of the Audit Committee**

The audit committee has reviewed our audited consolidated financial statements for the fiscal year ended December 31, 2015 and has discussed these consolidated financial statements with our management and our independent registered public accounting firm. Management is responsible for the preparation of our consolidated financial statements and for maintaining an adequate system of disclosure controls and procedures and internal control over financial reporting for that purpose. Our independent registered public accounting firm is responsible for conducting an independent audit of our annual consolidated financial statements in accordance with generally accepted auditing standards and issuing a report on the results of their audit. The audit committee is responsible for providing independent, objective oversight of these processes.

The audit committee has also received from, and discussed with, our independent registered public accounting firm various communications that they are required to provide to the audit committee, including the matters required to be discussed by Public Company Accounting Oversight Board's Auditing Standard No. 16, Communications with Audit Committees.

Our independent registered public accounting firm also provided the audit committee with the written disclosures and letter required by applicable requirements of the Public Company Accounting Oversight Board regarding the independent accountant's communications with the audit committee concerning independence, and our audit committee has discussed with our independent registered public accounting firm its independence.

Based on the review and discussions referred to above, the audit committee recommended to our board of directors that the audited consolidated financial statements be included in our Annual Report on Form 10-K for the year ended December 31, 2015 for filing with the Securities and Exchange Commission.

By the Audit Committee of the Board of Directors of Momenta Pharmaceuticals, Inc.:

Marsha H. Fanucci (Chairwoman)  
Bruce L. Downey  
Georges Gemayel  
James R. Sulat

**Executive Compensation Processes**

We have implemented an annual performance review program for our employees, including our executives, with annual corporate goals that are proposed by management, reviewed by the compensation committee and approved by the board of directors. These corporate goals target the achievement of specified operational and financial goals; specific research, clinical, regulatory, commercial and/or compliance milestones; and business development and financing initiatives. Individual performance is evaluated in part by reviewing the extent to which an employee's performance facilitates the achievement of our annual corporate and business goals. Annual salary



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adjustments, annual incentive cash bonus awards and equity awards for each of our Chief Executive Officer, Chief Financial Officer, and each of our three other most highly compensated executive officers are tied to a combination of achievement of corporate goals and individual performance.

The compensation committee has the authority to retain compensation consultants and other outside advisors to assist in the evaluation of executive officer compensation. To assist the compensation committee in discharging its responsibilities, since mid-2010, the compensation committee retained Radford Survey and Consulting, a business unit of AON, an independent compensation consultant that we refer to as Radford, to evaluate certain aspects of our compensation practices and assist the compensation committee with setting executive compensation.

For further information about our executive compensation, please see the "Executive Compensation Compensation Discussion and Analysis" section below.

**Director Nomination Process**

The process followed by our nominating and corporate governance committee to identify and evaluate director candidates includes requests to board members for recommendations as well as use of a third-party professional search firm. The committee meets from time to time to evaluate biographical information and background material relating to potential candidates as well as to discuss the results of interviews of selected candidates by members of the nominating and corporate governance committee and other members of the board of directors.

In considering whether to recommend any particular candidate for inclusion in the board's slate of director nominees, the nominating and corporate governance committee applies the criteria attached to its charter. These criteria include the candidate's integrity, business acumen, knowledge of our business and industry, experience, diligence and the ability to act in the interests of all stockholders. The nominating and corporate governance committee also considers whether a candidate has any conflicts of interest that would impair his or her ability to represent the interests of the Company's stockholders and to fulfill the responsibilities of a director. The criteria further specify that the value of diversity on the board should be considered by the nominating and corporate governance committee in the director identification and nomination process. While we do not have a formal policy on diversity, the nominating and corporate governance committee proactively seeks nominees with a broad diversity of experience, professions, skills, gender, race, national origin and backgrounds and considers such factors in evaluating prospective nominees. The nominating and corporate governance committee does not assign specific weights to particular criteria and no particular trait is a prerequisite for each prospective nominee. We believe that the backgrounds and qualifications of our directors, considered as a group, should provide a composite mix of experience, knowledge and abilities that will allow the board of directors to fulfill its responsibilities. Nominees are not discriminated against on the basis of race, religion, national origin, gender, sexual orientation, disability or any other basis proscribed by law.

Stockholders may recommend individuals to the nominating and corporate governance committee for consideration as potential director candidates by submitting their names, together with appropriate biographical information and background materials and a statement as to whether the stockholder or group of stockholders making the recommendation has beneficially owned more than 5% of our common stock for at least a year as of the date such recommendation is made, to the nominating and corporate governance committee, c/o Bruce A. Leicher, Secretary, Momenta Pharmaceuticals, Inc., 675 West Kendall Street, Cambridge, Massachusetts 02142. Assuming that appropriate biographical and background material has been provided on a timely basis, the nominating and corporate governance committee will evaluate stockholder-recommended candidates by following substantially the same process, and applying substantially the same criteria, as it follows for candidates submitted by others.

Stockholders also have the right under our bylaws to directly nominate director candidates, without any action or recommendation on the part of the nominating and corporate governance committee or

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the board of directors, by following the procedures set forth in our amended and restated bylaws that are described below under the heading "Stockholder Proposals."

**Communicating with the Independent Directors**

Our board of directors will give appropriate attention to written communications that are submitted by stockholders and will respond if and as appropriate. The chairman of the board of directors (an independent director) or otherwise the chairperson of the nominating and corporate governance committee, subject to advice and assistance from the general counsel and secretary and, if requested, outside legal counsel, is primarily responsible for monitoring communications from stockholders and for providing copies of summaries of such communications to the other directors as he considers appropriate.

Under procedures approved by a majority of the independent directors, communications are forwarded to all directors if they relate to important substantive matters and include suggestions or comments that the chairman of the board considers to be important for the directors to know. In general, communications relating to corporate governance and corporate strategy are more likely to be forwarded than communications relating to ordinary business affairs, personal grievances and matters as to which we tend to receive repetitive or duplicative communications.

Stockholders who wish to send communications on any topic to the board of directors should address such communications to board of directors c/o Bruce A. Leicher, Secretary, Momenta Pharmaceuticals, Inc., 675 West Kendall Street, Cambridge, Massachusetts 02142, fax: (617) 621-0431.

**Code of Business Conduct and Ethics**

We have adopted a written code of business conduct and ethics that applies to our directors, officers and employees, including our principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions. The code is intended to deter wrongdoing and to promote the conduct of all Company business in accordance with high standards of integrity and in compliance with all applicable laws and regulations. The code covers a wide range of professional conduct, including compliance with laws and regulations applicable to the conduct of our business, conflicts of interest, insider trading, the protection of confidential information, honest and ethical fair dealing, acceptance and giving of gifts and gratuities, accuracy of our books and records, concerns regarding accounting matters, dealings with our independent auditor, and reporting and compliance procedures.

**Prohibition of Hedging or Pledging the Company's Securities**

Our Insider Trading Policy prohibits pledging and hedging activities by employees and directors with respect to company securities.

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**Our Executive Officers**

The following table sets forth the names, ages and positions of our current executive officers:

Name	Age	Position
Craig A. Wheeler*	55	President and Chief Executive Officer
Richard P. Shea	64	Senior Vice President and Chief Financial Officer
Ganesh V. Kaundinya, Ph.D.	49	Chief Scientific Officer and Senior Vice President, Research
John E. Bishop, Ph.D.	54	Senior Vice President, Pharmaceutical Sciences
Bruce A. Leicher	60	Senior Vice President, General Counsel and Secretary
James M. Roach, M.D.	56	Chief Medical Officer and Senior Vice President, Development
Matthew P. Ottmer	45	Chief Operating Officer

\*

Mr. Wheeler is a member of our board of directors. See Proposal One Election of Directors for more information about Mr. Wheeler.

*Richard P. Shea* has been our Senior Vice President and Chief Financial Officer since July 2007. From October 2003 to July 2007, he served as our Vice President and Chief Financial Officer. Mr. Shea is a CPA and received his A.B. from Princeton University and his M.B.A. from Boston University.

*Ganesh V. Kaundinya, Ph.D.*, is a co-founder of our company and has been our Chief Scientific Officer since September 2007 and our Senior Vice President, Research since April 2005. From January 2002 through April 2005, he served as our Vice President, Technology. Dr. Kaundinya received his M.S. and Ph.D. in Chemical Engineering from the Massachusetts Institute of Technology.

*John E. Bishop, Ph.D.*, has been our Senior Vice President, Pharmaceutical Sciences since December 2006. He served as our Vice President, Pharmaceutical Sciences and Manufacturing from November 2004 to December 2006. Dr. Bishop received his B.S. magna cum laude in Chemistry and German from Tufts University, his Ph.D. in Organic Chemistry from UC Berkeley and his M.B.A. from Northeastern University.

*Bruce A. Leicher* has been our Senior Vice President and General Counsel since July 2008 and Secretary since September 2008. Prior to joining the company, Mr. Leicher served in senior legal positions at several biopharmaceutical companies. Mr. Leicher also practiced with the law firms Hill & Barlow, Hale and Dorr and Butler and Binion. Mr. Leicher received his B.A. from the University of Rochester and his J.D. from Georgetown University Law Center. Mr. Leicher served as a law clerk to the Honorable Thomas F. Hogan, U.S. District Court Judge for the District of Columbia.

*James M. Roach, M.D.*, has been our Chief Medical Officer and Senior Vice President, Development since February 2008. Dr. Roach is board certified in Internal Medicine and Pulmonary Disease and is an Assistant Clinical Professor of Medicine at Harvard Medical School and an Associate Physician at Brigham and Women's Hospital. Dr. Roach received his B.A. in biology and philosophy from the College of the Holy Cross and his M.D. from Georgetown University School of Medicine. He completed his residency in Internal Medicine and fellowship in Pulmonary and Critical Care Medicine at the Walter Reed Army Medical Center in Washington, D.C.

*Matthew P. Ottmer* has been our Chief Operating Officer since December 2015. Mr. Ottmer served as Senior Vice President, Strategy & Emerging Businesses of Biogen, Inc., a biotechnology company, from July 2014 to July 2015. Prior to that, he served as Head of the Tysabri business at Biogen from March 2012 to July 2014, and as Chief of Staff to the Chief Executive Officer of Biogen from October 2010 to March 2012. Mr. Ottmer joined Biogen in 1999. Mr. Ottmer received his B.A. in political science from the University of Michigan and his M.B.A. from Northwestern University's Kellogg School of Management.

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**EXECUTIVE COMPENSATION**

**Compensation Discussion and Analysis**

The following discussion provides information regarding compensation earned by the following executive officers during 2015:

Craig A. Wheeler, our President and Chief Executive Officer,

Richard P. Shea, our Senior Vice President and Chief Financial Officer,

Ganesh V. Kaundinya, our Senior Vice President, Research and Chief Scientific Officer,

Bruce A. Leicher, our Senior Vice President, General Counsel and Secretary, and

James M. Roach, our Senior Vice President, Development and Chief Medical Officer.

We refer to these executive officers as our "Named Executives."

***Executive Summary***

The objectives of our executive compensation program are to align the interests of management with the interests of stockholders. We correlate compensation to company and individual performance and design our programs to attract, retain and motivate talented employees. We reward both short- and long-term company and individual performance, with the goal of increasing stockholder value over the long term. In determining executive compensation for 2015, we considered the results of the most recent advisory, non-binding vote of stockholders on the compensation of the Named Executives, which was approved by 95% of the votes cast at the 2015 annual meeting of stockholders. We also reach out to stockholders from time to time to discuss important issues, including our compensation program, to inform our practices and confirm that they are aligned with our stockholders' interests.

In 2015, the compensation committee updated:

our annual incentive cash bonus program by supplementing milestone target percentages with a sliding scale for measuring achievement of each corporate goal, which we believe will provide increased accuracy and fairness of performance evaluations; and

our peer group for executive compensation and performance reference purposes to help ensure it is comprised of appropriately representative companies.

Our compensation committee reviews competitive market data provided by Radford, the committee's independent compensation consultant, in making compensation decisions. The compensation committee generally targets base salary, annual incentive cash bonus opportunities and equity based awards for our Named Executives at the 50<sup>th</sup> percentile of our peer group. We more heavily weight equity based awards than other forms of compensation because we believe equity based awards are a powerful tool for encouraging performance and aligning the interests of our executives with those of our stockholders.

Our key compensation decisions for 2015 included the following:

The compensation committee increased base salaries for each of our Named Executives effective January 1, 2015, ranging from a 3% to 4% increase. This increase was based in part on the compensation committee's review of industry trends in

base salary increases as well as individual performance reviews of the Named Executives.

The compensation committee determined that the company achieved 110% of its corporate goals for 2015 and set the corporate goal achievement component of each Named Executive's annual incentive cash bonus award at 110%. Based on this corporate performance and individual performances for the Named Executives (except the CEO whose bonus is completely dependent

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upon achievement of corporate goals), the compensation committee approved an annual incentive cash bonus of 77% of base salary for our CEO and annual incentive cash bonuses ranging from 43% to 45% of base salary for our other Named Executives, representing between 107% to 113% of the Named Executives' target bonuses for 2015.

In early 2015, the Named Executives received grants of both stock options and restricted stock, the amounts of which were based in part on each Named Executive's position in the company and in part on his or her individual achievements in 2014.

Highlights of our compensation practices and policies include:

Stock ownership guidelines designed to foster alignment between the board, management, and stockholders, by requiring all directors and executive officers to maintain a material investment in our stock.

Use of periodic long-term performance-based stock grants that are tied to the achievement of important corporate value generating events and are generally earned over a multi-year period, to supplement annual stock option grants and incent key business and strategic objectives.

Double-trigger executive severance protection, whereby cash severance and equity acceleration occurs only in the context of a qualifying termination of employment, not merely upon a change of control of the company.

Explicit prohibition of hedging the economic risk of ownership of our equity securities by our executive officers and directors.

***Overview of Compensation Program and Philosophy***

Our "pay-for-performance" philosophy forms the foundation for the compensation committee's decisions regarding executive compensation. We use a combination of fixed and variable compensation programs to reward and incentivize strong performance, and to align the interests of our executives with our stockholders. This compensation philosophy, and the program structure approved by the compensation committee, is central to our ability to attract, retain and motivate individuals who can achieve the results that our stockholders expect.

Our compensation committee has determined that our compensation program should be designed to:

link pay to performance, measured on the corporate and individual level;

reinforce and reflect our business strategy and values;

reward teamwork and integrity;

motivate our employees to achieve meaningful results in support of our company goals;

keep things simple to promote understanding and enable employees to make informed decisions; and

retain our management team and our other employees.

Our executive compensation philosophy is based on the following principles:

*Competitive and Fair Compensation.* We believe that the performance of our Named Executives should be viewed, and their overall compensation should be determined, in the context of our industry, our competitive landscape and our corporate performance. While we do not have an exact formula for allocating between cash and non-cash compensation, we try to balance short-term cash compensation and long-term equity compensation by offering competitive base

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salaries, market-competitive benefits and perquisites, annual incentive cash bonus awards and opportunities for financial growth through our equity incentive programs.

*Sustained Performance.* In determining total compensation, we stress a philosophy that is performance driven. Our Named Executives are primarily rewarded based upon an assessment of corporate performance and secondarily on individual performance. Corporate performance is evaluated by reviewing the extent to which established corporate goals are met and individual performance is evaluated by reviewing each Named Executive's contributions in the context of the overall corporate goals. Considerations taken into account in evaluating individual performance include, but are not limited to, an individual's demonstration of leadership, teamwork and operational success in his or her functional area, as well as across the Company. Our compensation philosophy emphasizing performance permeates total compensation for both executives and non-executives. We believe that the design of our executive compensation program affects all of our employees and, because the performance of every employee is important to our success, we are cognizant of the effect that executive compensation may have on other employees.

Compensation for employees at all levels, including for our Named Executives, includes base salary, annual incentive cash bonuses, annual equity awards and other benefits. Our Named Executives are also entitled to specified benefits in connection with a termination of employment or change of control.

***Realizable Pay Aligned with Stockholder Value***

The company's stock price has been and may continue to be extremely volatile. This volatility is due in part to regulatory, legal and other events and factors whose impact on our business is often unrelated or disproportionately related to our operating performance. The current value of outstanding equity awards can fluctuate considerably over time, falling well above or below the target or reported value of the awards at the time of grant. To help ensure our total compensation program is aligned with performance, our compensation committee regularly reviews the "realizable value" of equity awards in the context of the overall compensation program and continuing performance of the company.

We believe that the compensation of our Named Executives is appropriate and aligned with the interests of our stockholders. Specifically, a substantial portion of total compensation for our Named Executives is attributable to stock options, the realizable value of which depends upon an increase in our stock price (and thereby an increase in stockholder value) following the date of grant. We believe that stock options are one of the most effective tools available to development stage growth companies for aligning executive interests with those of our stockholders. We have also granted restricted stock to our Named Executives subject to performance-based vesting conditions tied to attaining goals that our compensation committee believes are key to creating value for our stockholders and subject to time-based vesting conditions which encourages stock ownership by and retention of our Named Executives.



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***CEO Pay for Performance***

A significant portion of Mr. Wheeler's compensation is variable, performance-based compensation that we consider to be "at risk" because it is dependent on the success of our company. At-risk compensation includes long-term equity based awards, the value of which depends on sustained, long-term increases in the price of our common stock, and annual incentive cash bonuses, which require attaining meaningful performance goals established by our board of directors with the intent of driving short-term value creation for our stockholders. The following charts and tables highlight the alignment between Mr. Wheeler's compensation and our company's performance.

**2015 Pay Mix\***

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Percentages calculated from values reported in the 2015 Summary Compensation Table

We believe that the design of our compensation program, heavily weighted towards performance-based vehicles, provides a strong linkage between the level of actual pay delivered and our performance. As the table above demonstrates, 77% of Mr. Wheeler's 2015 compensation was granted in the form of equity-based awards which are tied to the future appreciation in value of our stock and 10% of Mr. Wheeler's 2015 compensation is tied to the achievement of annual targets under our 2015 bonus program. This strong focus on aligning pay and performance is a foundation of our executive compensation philosophy.

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The following chart illustrates the alignment over the past five years of Mr. Wheeler's total compensation (as reported in the Summary Compensation Table) and our total stockholder return (presented on an indexed basis, reflecting the value of \$100 invested in our stock on December 31, 2010 as measured based on the closing price of our common stock on the final day of each indicated year).

	2010	2011	2012	2013	2014	2015
<b>CEO Pay (\$000s)</b>	\$ 3,213	\$ 4,991	\$ 3,230	\$ 2,858	\$ 3,921	\$ 5,345
<b>Indexed TSR 12/31</b>	\$ 100.0	\$ 116.2	\$ 78.8	\$ 118.1	\$ 80.4	\$ 99.1
				22		

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We have also examined Mr. Wheeler's realizable pay and our company's performance relative to our selected peer group (which is described below under the heading "*Use of Competitive Market Compensation Data*"). We have ranked Mr. Wheeler's 3-year total realizable pay for 2013-15 relative to his counterparts in our peer group and compared the result to our rank in total stockholder return versus the stockholder return of our peers over the same period. Realizable pay includes cumulative salary and bonus paid for the past three years, plus the value of stock options, performance-based restricted stock and time-based restricted stock granted during the same period, valued based on the company's stock price on December 31, 2015. The following chart illustrates that we fall squarely within the "zone of alignment" that has been identified by certain corporate governance advocates as a key measure of pay for performance.

**2013-2015 CEO Realizable Pay Rank versus 2015 Total Shareholder Return Rank\***

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2015 pay information was not available for all peer group companies. 2012-2014 pay information was used for ACOR, AEGR, ARNA, ARIA, DYAX, NKTR, RPTP and SPPI.

***Stock Ownership Guidelines***

We maintain a stock ownership and retention program for our executive officers and directors to ensure that each of our executive officers and directors has a long-term equity stake in Momenta, to more closely align the interests of the executive officers and directors with those of our stockholders and to further promote our commitment to sound corporate governance.

Under the program's guidelines:

our President and CEO is expected to hold shares of our common stock having an aggregate value equal to or greater than three times his or her annual base salary;

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other executive officers are expected to hold shares of our common stock having an aggregate value equal to or greater than one times their annual base salary; and

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non-employee directors are expected to hold shares of our common stock having an aggregate value equal to or greater than three times their then current annual base retainer for general board membership, excluding committee retainers, per-meeting or other similar fees.

Our executive officers and directors are expected to comply with these guidelines within five years of becoming subject to the guidelines. Until the applicable minimum share requirement is achieved, each executive officer and director is required to retain all shares of restricted stock upon the lapse of vesting restrictions, net of shares surrendered or sold to pay applicable withholding taxes. In addition, in the event that the applicable minimum share requirement is not achieved as of each determination date, such executive officer or director may not exercise and sell any stock options (other than to sell or surrender shares for payment of any taxes related to stock option exercises), including without limitation any sales pursuant to a 10b5-1 plan. Once an executive officer or director has met these guidelines, he or she must continue to satisfy the guidelines so long as he or she remains subject to the guidelines. Each executive officer and director's satisfaction of the minimum share requirement is measured on at least an annual basis. Shares that count toward satisfaction of the guidelines include:

shares of common stock owned outright by the executive officer or director or his or her spouse or minor children;

shares of common stock held in trust for the benefit of the executive officer or director or his or her spouse or minor children; and

restricted stock or restricted stock units for which applicable restrictions have lapsed.

The minimum share requirement may be waived, at the discretion of the compensation committee, if compliance would create severe hardship or would prevent an executive officer or director from complying with a court order. As of April 1, 2016, all executive officers and all but one director met the ownership requirements under the program.

***Determining Executive Compensation Roles and Process***

Utilizing the philosophy and background outlined above, our compensation committee determines the parameters of the executive compensation program, including appropriate target levels and performance measures, and administers our executive compensation program. This section discusses in greater detail the roles and process underlying the application of our executive compensation philosophy.

***Role of the Compensation Committee***

Our compensation committee recognizes the importance of maintaining sound principles for the development and administration of our compensation program, which is intended to strengthen the link between executive pay and performance. The compensation committee, in accordance with its written charter, oversees all aspects of our director, officer and other executive compensation policies. Based on the recommendations of the CEO and our Senior Vice President, Human Resources regarding each Named Executive's compensation, except his and her own, the compensation committee determines the compensation of each of these Named Executives. The chairman of the board and the chairman of the compensation committee evaluate the CEO's performance, utilizing input from the board of directors and from selected executive officers, and make recommendations to the compensation committee, which then determines the CEO's compensation. The compensation committee also directly engages the services of an independent compensation consultant to assist the committee in evaluating its compensation practices and levels, as described in more detail under the caption "*Role of External Advisors*" below.

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***Role of CEO in Compensation Decisions***

The CEO's role in the compensation process begins with the establishment of our corporate and business performance objectives against which the payment of annual incentive cash bonus awards will be measured. Our CEO, together with our executive team, discusses and formulates annual corporate and business goals. These goals are presented to our compensation committee, which reviews and finalizes the goals and recommends them for approval by our board of directors. The CEO's role in the compensation process continues with his review of our Named Executives. Our CEO elicits 360-performance reviews with respect to each of our Named Executives. These 360-performance reviews are evaluations of each Named Executive that are submitted to our CEO by our employees who interact with these Named Executives. Each executive also completes a written self-assessment which is submitted to the CEO. The CEO then assimilates the feedback from the 360-performance reviews, the self-assessment and the CEO's own evaluation into formal written evaluations of each Named Executive. The CEO's evaluation includes documenting each Named Executive's performance during the year, detailing accomplishments, areas of strength and areas for development. Each Named Executive is then rated based on his or her performance during the year. The CEO then works directly with our Senior Vice President, Human Resources to provide comprehensive recommendations for salary changes, individual components of annual incentive cash bonus awards and equity awards for each of our Named Executives. These recommendations are presented to, reviewed by, modified or accepted, and approved by our compensation committee. The CEO then meets with each Named Executive and reviews his or her respective performance evaluation and compensation changes, if any.

At the request of the compensation committee, our CEO attends all or portions of periodic meetings of the compensation committee, but does not attend portions of any meeting in which the compensation committee discusses the CEO's compensation or performance. In addition, our compensation committee reviews information prepared by its compensation consultants with respect to executive compensation trends among our peer-group companies, including the overall blend of salary, incentive cash bonus and equity compensation within such group.

The compensation committee has delegated to our CEO the authority to make stock option grants under our 2013 Incentive Award Plan to newly-hired employees below the senior director level based on a number of options within a range as set forth in a matrix previously approved by the board of directors. All other stock options are granted by the compensation committee.

***Role of External Advisors***

To assist the compensation committee in discharging its responsibilities, the compensation committee directly engages its independent compensation consultant, Radford, to evaluate aspects of our compensation practices, provide advice and make recommendations in determining compensation practices and levels, including making recommendations for our board of directors and executive compensation programs. As part of this process, members of the compensation committee reviewed materials provided by Radford and had the opportunity to meet independently with Radford periodically throughout the year to discuss our executive and director compensation and to receive input and advice. The compensation committee has access to all written reports and studies provided by Radford to management. In 2015, Radford, with the compensation committee's consent, performed a broad-based employee pay review which resulted in revised salary, bonus and long-term incentive guidelines for 2016. After review and consultation with Radford, the compensation committee has determined that Radford is independent and there is no conflict of interest resulting from retaining Radford currently or during the year ended December 31, 2015. In reaching these conclusions, the compensation committee considered the factors set forth in Exchange Act Rule 10C-1 and NASDAQ listing standards.

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We do not use "internal pay equity" as a constraint on compensation paid to our CEO or other Named Executives. Such systems typically put a ceiling on part or all of an executive's compensation based on a specified multiple of compensation awarded to another executive or a class of employees of the company. Our management and our compensation committee do not believe that such arbitrary limitations are an appropriate way to make compensation decisions for our executives. Instead, we rely on the judgment of the compensation committee, after considering recommendations from management and external advisors, available market data and evaluations of executive performance, in the context of a program that is weighted heavily in favor of performance-based compensation for our Named Executives.

*Use of Competitive Market Compensation Data*

We maintain a peer group for executive compensation and performance reference purposes. The compensation committee, in consultation with Radford, determines the peer group using benchmarks based on revenue, market capitalization, and number of employees, among other factors, and uses a multi-year period perspective in determining the peer group.

We believe that our business, which consists of three product areas: complex generics, biosimilars and novel drugs, is more complex than many companies of our size and impacts the quality and breadth of talent that we need to attract and retain. We often compete for talent with much larger companies that have greater resources.

Our generics and biosimilars programs have the potential to produce significant levels of free cash flow (cash flows from a product above the costs associated with making and selling that product) as compared to a traditional, novel biotechnology business. Any such free cash flows may, due to the nature of the generic and biosimilar businesses, be subject to accelerated and substantial decreases, as compared to a traditional, novel biotechnology business, as other directly-competing generic or biosimilar products enter the market. For example, we had approximately \$340 million in free cash flows from our first product, enoxaparin during the first 14 months following commercial launch prior to entry of other directly competing generics. Three years after launch, our annual free cash flows from enoxaparin had decreased to approximately \$20 million and five years after launch had decreased to approximately \$5 million as multiple directly-competing generics have entered the market. In years in which we have significant free cash flows, we will generally have a greater profit than most of our peer group companies, and in the years in which we have less free cash flows, we will generally have less profit or a greater loss, as the case may be, than most of our peer group companies. We take into account the possibility of such drastic swings in free cash flows from these programs when we review and select our peer group companies.

We have fewer shares of common stock outstanding than many companies of our size. The total number of shares of our common stock outstanding is below the 33<sup>rd</sup> percentile of our peer group. In large part due to our reinvestment of prior free cash flows to grow our business, we have been able to avoid over-reliance on equity financings and the extensive equity dilution to our investors that can result from such financings, which are often necessary to fund traditional, novel biotechnology companies that generally do not have significant free cash flows, if any, until much later in their products' lifecycles. While we believe avoiding dilution has benefitted our investors, our lower number of shares outstanding can be disadvantageous when we are benchmarked against other companies based on the percentage of shares outstanding represented by our employee compensation equity grants.

Our biosimilar and novel drug programs involve multi-year development and regulatory (and legal, in the case of biosimilars) timelines, with commercial product launches that may not be anticipated for several years into the future. The businesses of some of our peer group companies consist of more commercial programs or more established commercial programs and these companies may have business and financial metrics and results that more directly impact their near-term stock price.

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While the compensation committee reviews the peer group annually and makes changes when appropriate, we do not believe it is appropriate or informative to necessarily change our peer group or our benchmark practices to reflect changes in the development stages of our programs or periods of significantly high or low free cash flows. We believe that doing so would not accurately reflect our current or long-term talent and performance requirements. In addition, there is potential that frequent changes to our peer group or benchmarking practices could result in dramatic swings in compensation that do not reflect long-term performance leading to long-term stockholder value. Instead, we generally take a longer term, multi-year perspective in reviewing and selecting our peer group companies.

In assisting the compensation committee to review and select potential peer group companies for 2015 compensation purposes, Radford first identified all publicly traded, U.S.-headquartered companies in the biotechnology/pharmaceutical industry at the commercial stage. Based on current company metrics at the time, Radford next refined the pool to reflect companies with 100 to 800 employees, annual revenue between \$40 million and \$350 million and a market capitalization between \$200 million to \$1.8 billion. Radford next qualitatively evaluated and refined the pool to identify each company's business focus and corporate strategy, where publicly disclosed. Radford then selected companies that were similar to us, taking into consideration the business focus, financial profile and stage of development for each company. In addition, the compensation committee also considered our 2014 peer group, the peer group companies selected for us by certain proxy advisory firms and the guidelines used by those proxy advisory firms in selecting peer companies. Based on this review and analysis and Radford's recommendation, in September 2014, the compensation committee approved the following 2015 peer group companies:

**2015 Peer Group Companies**

Acorda Therapeutics, Inc.	Emergent BioSolutions
Aegerion Pharmaceuticals, Inc.	Exelixis
AMAG Pharmaceuticals	Halozyme Therapeutics, Inc
Arena Pharmaceuticals, Inc.	Horizon Pharma
Ariad Pharmaceuticals, Inc.	Impax Laboratories, Inc.
Auxilium Pharmaceuticals, Inc.	INSYS Therapeutics Inc.
AVANIR Pharmaceuticals	Nectar Therapeutics
Depomed	Spectrum Pharmaceuticals, Inc.
Dyax Corp.	

Based upon an assessment of the parameters described above, the 2015 peer group included certain changes from the 2014 peer group used by the compensation committee for 2014 compensation purposes: the removal of Akorn, Inc., Cadence Pharmaceuticals, Incyte Corporation, InterMune, Inc., Isis Pharmaceuticals, Inc., Santarus and Seattle Genetics, Inc. and the addition of Aegerion Pharmaceuticals, Inc., Arena Pharmaceuticals, Inc., Ariad Pharmaceuticals, Inc., Dyax Corp., Horizon Pharma and INSYS Therapeutics Inc. Companies were removed from the peer group either because they fell outside of the parameters for the peer group as described above or were acquired by other companies. Companies were added to the peer group because they fell within the parameters for the peer group described above and the compensation committee believed the business of each aligned well with the company.

In assisting the compensation committee to review and select potential peer group companies for 2016 compensation purposes, Radford similarly first identified all publicly traded, U.S.-headquartered companies in the biotechnology/pharmaceutical industry at the commercial stage. Based on current company metrics at the time, Radford next refined the pool to reflect companies with 100 to 800 employees, annual revenue between \$50 million and \$440 million and a market capitalization between \$520 million to \$4.65 billion. Radford next qualitatively evaluated and refined the pool to identify each



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company's business focus and corporate strategy, where publicly disclosed. Radford then selected companies that were similar to us, taking into consideration the business focus, financial profile and stage of development for each company. In addition, the compensation committee also considered our 2014 peer group, the peer group companies selected for us by certain proxy advisory firms and the guidelines used by those proxy advisory firms in selecting peer companies. Based on this review and analysis and Radford's recommendation, in September 2015, the compensation committee approved the following 2016 peer group companies:

**2016 Peer Group Companies**

Acorda Therapeutics, Inc.	Halozyne Therapeutics, Inc.
Aegerion Pharmaceuticals, Inc.	Horizon Pharma plc
AMAG Pharmaceuticals	Impax Laboratories, Inc.
Arena Pharmaceuticals, Inc.	INSYS Therapeutics Inc.
Ariad Pharmaceuticals, Inc.	Ironwood Pharmaceuticals
DepoMed	Nektar Pharmaceuticals
Dyax Corp.	Raptor Pharmaceuticals
Emergent BioSolutions	Spectrum Pharmaceuticals, Inc.
Exelixis	Supernus Pharmaceuticals
	The Medicines Company

Based upon an assessment of the parameters described above, the 2016 peer group used for 2015 compensation purposes included certain changes from the 2015 peer group as follows: the removal of Auxilium Pharmaceuticals, Inc. and AVANIR Pharmaceuticals and the addition of Ironwood Pharmaceuticals, Raptor Pharmaceuticals, Supernus Pharmaceuticals and The Medicines Company. Auxilium Pharmaceuticals and AVANIR Pharmaceuticals were removed from the peer group because they were acquired by other companies. Companies were added to the peer group because they fell within the parameters for the peer group described above and the compensation committee believed the business of each aligned well with the company.

Although we maintain the peer group for executive compensation and performance reference purposes, the peer group compensation data is limited to publicly available information and therefore does not necessarily provide enough comparisons for all officers. By contrast, survey data has the advantage of including data on executive positions beyond what is available in public filings, but may not be specific to the selected companies in the peer group. In light of this, in order to determine the appropriate target level for company-wide salary increases for 2015, in the fall of 2014 we obtained survey data from the following survey sources: Mercer (all industries national) and Radford (life sciences industry). These surveys were utilized to assure that our proposed merit salary increases were competitive in the market. The projected merit salary increases for 2015 contained in the surveys were between 3.0% and 3.6% of current base salaries. Using these data, we set a company-wide target level of merit salary increase for 2015 at 3.5%, with the goals of retaining a competitive compensation package and aligning internal compensation with external candidates coming into the company. In December 2014, Radford utilized survey data from the Radford (life sciences industry) in recommending 2015 compensation levels for the Named Executives. With respect to the survey data presented to the compensation committee, the identities of the individual companies included in the survey were not provided to the compensation committee, and the compensation committee did not refer to individual compensation information for such companies.

We believe that by utilizing both publicly available peer group data and the survey data from the published surveys in which we participate, we are able to develop the best set of competitive data reasonably available for use in making compensation decisions.

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Based on the objectives outlined above, the compensation committee strives to set target compensation opportunity levels to be competitive with the market in which we compete for executive talent and that are appropriate for the skills, experience and performance of each individual. While the compensation committee generally targets the 50<sup>th</sup> percentile of our peer group when determining compensation for our Named Executives, the compensation committee does not establish compensation levels based directly on benchmarking. The compensation committee instead relies on the judgment of its members in making compensation decisions regarding base salaries, target bonus levels and long-term equity incentive awards after reviewing our performance and carefully evaluating each Named Executive's performance during the year, leadership qualities, business responsibilities, career with our company, current compensation arrangements and long-term potential to enhance stockholder value. The compensation committee does not guarantee that any executive will receive a specific market-derived compensation level.

In addition, the compensation committee determines the mix of compensation elements, such as base salary, annual incentive cash bonuses and equity awards, on an individual basis. The compensation committee allocates total compensation between cash and equity compensation based on a number of objective and subjective factors, including the role and responsibilities of the individual executive, and the nature of the behaviors the incentives are intended to motivate. The compensation committee's philosophy is to balance compensation between long-term and short-term compensation, cash and non-cash compensation, and to take into the account the roles and responsibilities of the individual officer.

***Elements of Compensation***

Our compensation program is designed to reward each Named Executive based upon a combination of corporate and individual performance. Corporate performance is evaluated by reviewing the extent to which pre-set goals are met, which generally include the achievement of specified operational and financial goals; specific research, clinical, regulatory, commercial or compliance milestones; and business development and financing initiatives. We evaluate individual performance in part by reviewing the extent to which individual performance facilitated the achievement of our corporate and business goals.

The compensation package offered to each Named Executive is comprised of a combination of:

base salary;

annual incentive cash bonus awards;

annual equity awards;

other benefits, such as health, dental, disability and life insurance; and

severance and change of control agreements.

***Base Salary***

Base salaries are established for our Named Executives at levels that are intended to reflect the scope of each Named Executive's industry experience, knowledge and qualifications as well as the scope of their role within the company. In setting base salary, our compensation committee reviews salary levels in effect for comparable positions within our peer group companies and also from survey data of comparable positions within our industry. We believe that base salaries are a fundamental element of our executive compensation program because they provide a stable source of income for our Named Executives at a competitive level. Base salaries are reviewed at least annually by our compensation committee and are adjusted from time to time to ensure that our executive compensation structure remains aligned with our compensation objectives. Any adjustments are based upon various subjective

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criteria and the compensation paid by peer group companies. Subjective performance criteria include an executive's ability to lead through motivating and inspiring others, demonstrate the skills necessary to perform effectively in his or her area of responsibility, recognize and pursue new business opportunities and initiate programs that enhance our growth and success. The compensation committee generally targets base salaries for our Named Executives at the 50<sup>th</sup> percentile of our peer group.

**2015 Base Salary.** The compensation committee reviewed the salaries of the Named Executives at its February 2015 meeting. As discussed in "Use of Competitive Market Compensation Data" above, the compensation committee had previously approved a 3.5% merit increase for all employees based on the committee's review of survey data of merit salary increase trends within our industry. The compensation committee used that target percentage increase as well as performance review input for each of the Named Executives to approve salary increases to be effective as of January 1, 2015 as set forth below:

Name	2014	2015	Increase (%)
	Base Salary (\$)	Base Salary (\$)	
Craig A. Wheeler	643,356	665,873	3.5
Richard P. Shea	374,819	386,064	3.0
Ganesh V. Kaundinya	400,656	416,682	4.0
Bruce A. Leicher	387,085	400,633	3.5
James M. Roach	409,978	426,377	4.0

**2016 Base Salary.** The compensation committee reviewed the salaries of the Named Executives at its February 2016 meeting. The compensation committee had previously approved a 3.5% merit increase for all employees in connection with its review of survey data of industry trends. The compensation committee used that target as well as performance review input for each of the Named Executives to approve salary increases to be effective as of January 1, 2016 as set forth below:

Name	2015	2016	Increase (%)
	Base Salary (\$)	Base Salary (\$)	
Craig A. Wheeler	665,873	689,179	3.5
Richard P. Shea	386,064	399,576	3.5
Ganesh V. Kaundinya	416,682	433,350	4.0
Bruce A. Leicher	400,633	414,655	3.5
James M. Roach	426,377	441,300	3.5

**Annual Incentive Cash Bonus**

We use annual incentive cash bonuses to motivate and reward our Named Executives to achieve and exceed specified goals in a time frame that is one year in duration. Annual incentive cash bonuses are determined on the basis of our achievement of corporate performance targets and individual contribution toward those corporate goals. Our corporate goals are typically focused upon the achievement of specific research, clinical, regulatory, commercial, financial, compliance or operational milestones. We consider these goals to be difficult to attain, conducive to the creation of stockholder value and designed to contribute to our current and future financial success. The goals we believe will have the greatest impact on stockholder value during the performance period receive the heaviest weighting. Most of our programs involve multi-year development and regulatory, and in some cases, legal, timelines, with commercial product launches, if any, projected to occur several years into the future. While some of our goals may not necessarily have a direct or correlated impact on our current or near-term stock price, we believe they are value-driving achievements that are critical to our ability to achieve future commercial and financial success, and in turn, long-term stockholder value.

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Under our annual incentive cash bonus program, corporate goals are proposed by management, reviewed by the compensation committee and the board of directors and then adopted by the compensation committee and the board of directors. We develop corporate goals for each of our key programs as well as corporate goals related to financial discipline and cash usage. Goals are based on triggers that we believe will lead to increases in stockholder value over the one-year performance period. Each corporate goal is assigned a percentage value (e.g., 10%, 15%, 20%, etc.) and within each corporate goal there are achievement milestones that are expressed in the following target percentages: 70%, 100% and 130%. In January 2015, the compensation committee approved an addition to the bonus program of a sliding scale for measuring achievement of each corporate goal to provide increased accuracy and fairness of performance evaluations. Accordingly, beginning in 2015, target milestone assessment percentages of 70%, 100% and 130% for each corporate goal are supplemented with a continuous range of percentage assessment, from 50% to 150%, for each goal. In addition, our compensation committee has the discretion to take into consideration mitigating and/or extraordinary circumstances when determining the level of achievement of goals and related milestones.

Based upon our achievement level with respect to corporate goals, the compensation committee approves an aggregate amount to fund all bonus payments to all program participants, which we refer to as the annual bonus pool. For example, if we were to achieve 70% for each of our corporate goals, the annual bonus pool would be equal to 70% of the aggregate target bonuses for all program participants.

The CEO's annual incentive cash bonus award is determined based entirely upon the achievement of corporate goals. In the case of our other Named Executives, 75% of their annual incentive cash bonus awards is determined based upon the achievement of corporate goals and 25% upon the subjective analysis of their individual performance in relation to the corporate goals as determined by their performance review. The individual performance component of bonuses for our non-CEO Named Executives is also adjusted by the percentage achievement of corporate goals. These reviews are presented to our compensation committee along with compensation recommendations. However, the final determinations of the individual achievement levels for each of our Named Executives for bonus determination purposes is based on the compensation committee's subjective determination and not formulaically by reference to pre-determined performance objectives.

Target bonuses for 2015 were 70% of base salary for our CEO and 40% of base salary for our Named Executives other than our CEO. For 2014, the CEO had a maximum bonus opportunity equal to 150% of his base salary, as required by his employment agreement. Our other Named Executives do not have specified maximum bonus opportunities. Bonuses, if any, are determined and paid on an annual basis after completion of the fiscal year in which bonuses are earned.

The 2015 corporate goals and their respective weightings were:

advancing our M356 program based on achievements in supply initiatives, revenue and approval status (20%);

advancing our M923 program based on manufacturing, clinical trial and regulatory milestones (10%);

development of our other biosimilar programs, including our M834 program, based on development and collaboration milestones (25%);

advancing our Necuparanib program based on clinical trial enrollment milestones (25%);

initiating new drug studies (10%); and

achievement of financial discipline goals (10%).

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In assessing the achievement of these goals, the compensation committee considered the recommendations of our CEO, who, with input from other executive officers, assessed the Company's performance against the goals and made recommendations to the board of directors and the compensation committee. The compensation committee also considered assessments and guidance by the science committee relating to the achievement of technical and scientific goals. In January 2016, the compensation committee met and made a determination of the achievement of the corporate goals at 110%, as set forth in the chart below, based upon the company's performance. In making this determination, the committee used its discretion to not exceed the maximum targeted milestone assessment percentage of 130% for two goals notwithstanding Company performance in 2015 exceeded what was required for achievement at the 130% level for those goals. The committee also used its discretion to set the achievement level for one goal at 50% where the Company's performance was less than that required for the 70% achievement level for that goal. The overall achievement level was determined as follows:

Corporate Goal	Percentage Value (%)	Actual Level of Achievement (%)	Total Achieved (%)
Advancement of our M356 Program	20	130	26
Advancement of our M923 Program	10	130	13
Development of Other Biosimilar Programs	25	130	32.5
Enrollment in our Necuparanib Program	25	50	12.5
Initiation of new drug studies	10	130	13
Financial Discipline Goals	10	130	13
<b>Total</b>	<b>100</b>		<b>110</b>

Based on 110% achievement of corporate goals, the corporate goal achievement component of each Named Executive's bonus award was set at 110% and the annual bonus pool was set at 110% of the aggregate target bonuses for all program participants.

In February 2016, the compensation committee reviewed each Named Executive's performance recommendation as submitted by the CEO and our Senior Vice President, Human Resources. Individual performance was assessed, in part, on each Named Executive's contribution towards achievement of corporate goals, managerial and departmental success and successfully resolving challenging matters or completing challenging projects.

Based on the assessment of corporate goal achievement and, in the case of our non-CEO Named Executives, the subjective analysis of individual performance, we paid bonuses to our Named Executives for their performance in 2015 representing the following percentages of base salary and target bonus payment as of December 31, 2015:

Name	Target Bonus as a Percentage of Base Salary (%)	Target Bonus Payment (at 100%) (\$)	Corporate Goal Component as a Percentage of Target Bonus (%)	Individual Performance Component as a Percentage of Target Bonus (%)	Corporate Goal Achievement Level (%)	2015 Bonus Payment (\$)	2015 Bonus Payment as a Percentage of Target Bonus Payment (at 100%) (%)
Craig A. Wheeler	70	466,111	100	0	110	512,723	110
Richard P. Shea	40	154,426	75	25	110	165,621	107
Ganesh V. Kaundinya	40	166,673	75	25	110	187,924	113
Bruce A. Leicher	40	160,253	75	25	110	176,279	110
James M. Roach	40	170,551	75	25	110	187,606	110

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***Equity Awards***

Compensation for employees, including our Named Executives, also includes equity awards designed to align the long-term interests of our employees and our stockholders, to reward the achievement of individual performance goals and to assist in the retention of employees and executives. We believe that equity compensation is a critical component of competitive compensation in the industry in which we operate. We generally provide for annual grants of stock options and restricted stock to our Named Executives. We generally utilize a high percentage of options for our long-term incentive compensation because we believe options reflect our compensation objective of providing performance-based equity compensation due to their value being tied to an increase in the value of the company. The compensation committee believes that time-based option grants and restricted stock grants align Named Executives' interests with those of our stockholders. The realizable value of these grants depends greatly upon an increase in our stock price (and thereby an increase in stockholder value) following their grant. Furthermore, we have historically maintained at least one outstanding long-term performance-based grant of restricted stock for our executives. Performance-based equity grants have been designed with conditions we expect will require several years to attain and create significant value for our stockholders, such as receipt of approval for a specific product from governmental entities. Consequently, we make performance-based equity grants less frequently than time-based equity grants, which we generally utilize as annual compensatory tools for the Named Executives. The size of annual awards for our Named Executives are determined, in part, by reference to the compensation committee's subjective assessment of an Named Executive's performance over the preceding year, and in this sense are further tied to performance notwithstanding their time-based vesting conditions.

The compensation committee does not use a quantitative formula to relate equity awards to the degree to which an individual achieved his or her goals for a particular year. The compensation committee intends that the annual aggregate value of awards (using the Black Scholes model or equivalent valuation methodology) to executives will be targeted at the 50<sup>th</sup> percentile of our peer group, with an opportunity to achieve above or below that amount based on performance. Our equity grants awarded in 2015 for 2014 performance positioned our Named Executives collectively between the 25<sup>th</sup> and the 50<sup>th</sup> percentile of our peer group. Annual equity awards are generally made on an annual basis after completion of the fiscal year to which performance relates.

***Performance Equity Awards.*** Our currently outstanding performance-based restricted stock awards were originally scheduled to vest upon marketing approval from the U.S. Food and Drug Administration (the "FDA") of M356, our generic version of Copaxone® (glatiramer acetate injection), on or before the performance deadline date of March 28, 2015. Pursuant to the original vesting schedule, 50% of the shares would vest on FDA approval and 50% would vest on the one year anniversary of FDA approval. On March 11, 2015, the board of directors approved an amendment to these awards that extended the performance deadline date to September 1, 2015 and provided for the forfeiture of 15% of the number of shares originally subject to each award on the 29<sup>th</sup> of each month beginning March 29, 2015 until the shares vested or were forfeited in full. Accordingly, on March 29, 2015, 15% of the shares subject to each award were forfeited. The FDA approved M356 on April 16, 2015 and 50% of the performance shares, after giving effect to the 15% forfeiture, vested on such date. The remaining shares vested on April 18, 2016.

***Annual Equity Awards for 2015 Performance.*** For 2015 performance, our compensation committee approved annual stock option grants and awards of restricted stock to the Named Executives. The compensation committee reviewed equity awards for 2015 performance of the Named Executives in

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February 2016. At that meeting, the compensation committee approved the following equity awards for our Named Executives:

Name	Shares of Common Stock Underlying Stock Options (#)(1)	Shares of Restricted Common Stock (#)(2)
Craig A. Wheeler	126,000	63,000
Richard P. Shea(3)		
Ganesh V. Kaundinya	37,800	18,900
Bruce A. Leicher	34,200	17,100
James M. Roach	34,200	17,100

- (1) The shares of common stock underlying these options vest as to 25% of the shares on the first anniversary of the date of grant and an additional 6.25% of the shares vest at the end of each successive three-month period thereafter.
- (2) These shares of common stock are subject to a restricted stock agreement, pursuant to which 25% of such shares vest and become free from forfeiture on the first anniversary of the date of grant and an additional 6.25% of the shares vest and become free from forfeiture at the end of each successive three-month period thereafter.
- (3) In June 2015, Mr. Shea notified the Company of his intention to resign as CFO upon the Company's identification and appointment of a successor CFO. The notice was given in connection with a CFO succession plan developed by Mr. Shea and the Company and the announcement of Mr. Shea's plan to retire in 2016. In light of Mr. Shea's expected retirement in 2016, he was not granted any stock options or shares of restricted stock in 2016.

**Annual Equity Awards for 2014 Performance.** For 2014 performance, our compensation committee approved annual stock option grants and awards of restricted stock to the Named Executives. The compensation committee reviewed equity awards for 2014 performance of the Named Executives in February 2015. At that meeting, the compensation committee approved the following equity awards for our Named Executives:

Name	Shares of Common Stock Underlying Stock Options (#)(1)	Shares of Restricted Common Stock (#)(2)
Craig A. Wheeler	140,000	70,000
Richard P. Shea	33,953	16,976
Ganesh V. Kaundinya	41,498	20,748
Bruce A. Leicher	37,725	18,862
James M. Roach	41,498	20,748

- (1) The shares of common stock underlying these options vest as to 6.25% of the shares at the end of each three-month period after the date of grant.
- (2) These shares of common stock are subject to a restricted stock agreement, pursuant to which 25% of such shares vest and become free from forfeiture on the first anniversary of the date of grant and an additional 6.25% of the shares vest and become free from forfeiture at the end of each successive three-month period thereafter.

**Timing and Pricing of Option Grants.** The annual equity grant date for all eligible employees, including the Named Executives, is the date of the regularly scheduled meeting of the compensation committee following completion of company-wide performance reviews, which meeting date is generally set a year in advance. The grant date timing is driven by the fact that it coincides with our

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calendar-year-based performance management cycle, allowing us to deliver the equity awards close in time to performance assessments, which increases the impact of the awards by strengthening the link between pay and performance.

Aside from the annual equity grant to employees, it has been our policy that options be granted:

to non-employee members of the board of directors, on the date of the scheduled board meeting coinciding with our annual stockholders' meeting each calendar year; and

to newly-hired employees on the date of the next scheduled meeting of the compensation committee occurring after their date of hire.

Initial stock option grants typically vest as to 25% of the shares subject to such option one year from the date of grant and 6.25% of the shares subject to such option on a quarterly basis thereafter. Annual restricted stock awards typically vest as to 25% of the shares on the first anniversary of the date of grant and an additional 6.25% of the shares at the end of each successive three-month period thereafter. Annual option awards have historically vested quarterly over a four-year period commencing three months from the date of grant. Awards granted to our employees, directors or consultants after June 9, 2015 are generally subject to a minimum one year vesting requirement, subject to certain exceptions set forth in our 2013 Incentive Award Plan.

The compensation committee sets the exercise price of all employee stock options to equal the closing price of our common stock on the NASDAQ Global Market on the date of grant.

***Other Elements of Compensation and Perquisites***

We maintain broad-based benefits that are provided to eligible employees, including health, dental, life and disability insurance and a 401(k) plan. Our Named Executives are eligible to participate in our employee benefit plans, on the same basis as other employees. In order to attract and retain our employees and provide benefits packages aligned with market levels, we provide our Named Executives and other employees the following benefits and perquisites:

***Medical Insurance.*** We provide to our Named Executives, their spouses, domestic partners and children, health, dental and vision insurance coverage that we generally make available to other employees. We pay a portion of the premiums for this insurance for all employees.

***Life and Disability Insurance.*** We provide each Named Executive disability and/or life insurance that we may from time to time make available to other executive employees. Our CEO also receives reimbursement for an additional \$3.0 million life and disability policy, capped at a maximum of \$5,000 of reimbursement premium per year.

***Defined Contribution Plan.*** We offer a Section 401(k) Savings/Retirement Plan, or the 401(k) Plan, a tax-qualified retirement plan, to eligible employees. The 401(k) Plan permits eligible employees to defer up to 60% of their annual eligible compensation, subject to certain limitations imposed by the Internal Revenue Code, or the Code. The employees' elective deferrals are immediately vested and non-forfeitable in the 401(k) Plan. In any plan year, we will contribute to each participant a matching contribution equal to 50% of the first 6% of the participant's compensation that he or she has contributed to the 401(k) Plan. Our contribution is subject to vesting at the rate of 25% at the end of each year over the first four years of employment. All of our Named Executives participated in the 401(k) Plan in 2015.



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**Employee Stock Purchase Plan.** We also offer an Employee Stock Purchase Plan, or the ESPP. The ESPP is available to all of our employees, including the Named Executives, who work more than 20 hours per week and five months per year. Under the ESPP, eligible participants purchase shares of our common stock at a discount of 15% from the fair market value of the lower of the beginning date or end date of the applicable purchase period. The purchase dates occur on the last business day of January and July of each year. To pay for the shares, each participant may authorize periodic payroll deductions ranging from 1% to 15% of his or her cash compensation, subject to certain limitations imposed by applicable law. All payroll deductions collected from the participant during a plan period are automatically applied to the purchase of common stock on that period's purchase date provided the participant remains an eligible employee and has not withdrawn from the ESPP prior to that date.

**Other.** We make available certain other perquisites or fringe benefits to all eligible employees, including the Named Executives, such as tuition reimbursement, parking subsidies, mass transit commuting passes, professional society dues, gym subsidies, cell phones and food and recreational fees incidental to official company functions, including board meetings. The CEO is also entitled to financial and tax advice, up to a maximum of \$5,000 annually, and reimbursement of expenses in connection with using his personal airplane for business purposes (up to the equivalent amount of a first class commercial fare per usage).

***Severance and Change of Control Benefits***

Pursuant to employment agreements, our Named Executives are entitled to specified benefits in the event of the termination of their employment under specified circumstances, including termination without cause or for good reason.

We believe that severance protections, particularly in the context of a change of control transaction, can play a valuable role in attracting and retaining executive officers, are an important part of an executive's total compensation package and are consistent with competitive practices. Accordingly, we provide such protections for our Named Executives and certain other executives. We believe that the occurrence, or potential occurrence, of a change of control will create uncertainty regarding the continued employment of our Named Executives. This uncertainty results from the fact that many change of control transactions result in significant organizational changes, particularly at the senior executive level. Our practice, in the case of our employment agreements, has been to structure these change of control benefits as "double trigger" benefits. In other words, the change of control does not itself trigger benefits; rather, benefits are paid only if the employment of the Named Executive is terminated during the twelve-month (or 24-month in the case of the CEO) period after the change of control. We believe a "double trigger" benefit maximizes stockholder value because it prevents an unintended windfall to executives in the event of a friendly change of control, while still providing them appropriate incentives to cooperate in negotiating any change of control in which they believe they may lose their jobs. Because we believe that a termination by the executive for good reason is conceptually the same as a termination by us without cause, and that in the context of a change of control potential acquirers would otherwise have an incentive to constructively terminate the executive's employment to avoid paying severance, we provide severance benefits in these circumstances. We have provided more detailed information about these benefits, along with estimates of their value under various circumstances, under the captions " *Employment, Severance and Change of Control Arrangements*" and " *Potential Termination and Change of Control Payments*" below.

**Tax Considerations**

Section 162(m) of the Code places a limit of \$1,000,000 per person on the amount of compensation that a public company may deduct in any year with respect to its chief executive officer and the three most highly compensated named executive officers employed by the company at the end of the year (other than the company's chief financial officer). However, some forms of

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performance-based compensation are excluded from the \$1,000,000 deduction limit if certain requirements are met. Our compensation committee has not adopted a policy requiring all executive compensation to be fully deductible. However, our compensation committee reviews the potential impact of section 162(m) periodically and, if consistent with its goals of sustained profitability and creation of long-term stockholder value, may seek to structure executive officer compensation to allow deductions under section 162(m). Our compensation committee reserves the right to use its judgment to authorize compensation payments that may be subject to the section 162(m) limitation when it believes these payments are appropriate.

**Risk Assessment of Compensation Policies and Programs**

We periodically assess our compensation policies and programs for purposes of determining the relationship of such policies and programs to our enterprise risks. This assessment typically occurs in connection with the establishment of corporate goals and annual incentive programs for our employees. We do not believe that our compensation policies or programs create risks that are reasonably likely to have a material adverse effect on us.

**Compensation Committee Report**

The compensation committee has reviewed and discussed the Compensation Discussion and Analysis with the company's management. Based on this review and discussion, the compensation committee recommended to our Board of Directors that the Compensation Discussion and Analysis be included in this proxy statement.

By the Compensation Committee of the Board of Directors of Momenta Pharmaceuticals, Inc.:

Bruce L. Downey (Chairperson)  
Thomas P. Koestler  
Bennett M. Shapiro

Table of Contents**Summary Compensation Table for 2015**

The following table sets forth information regarding compensation earned by the Named Executives.

Name and Principal Position	Year	Salary (\$)(1)	Stock Awards(2) (\$)	Option Awards(2) (\$)	Non-Equity Incentive Plan	All Other Compensation(3) (\$)	Total (\$)
					Compensation (\$)		
Craig A. Wheeler	2015	691,484	3,064,900	1,046,052	512,723	29,503	5,344,662
<i>President, Chief Executive</i>	2014	643,356	1,257,200	1,558,564	432,335	29,610	3,921,065
<i>Officer and Director</i>	2013	621,000	754,800	1,081,320	372,600	29,229	2,858,949
Richard P. Shea	2015	400,912	878,028	253,690	165,621	12,666	1,710,917
<i>Senior Vice President and Chief</i>	2014	374,819	346,844	429,440	134,935	12,516	1,298,554
<i>Financial Officer</i>	2013	362,494	138,380	201,846	144,635	12,126	859,481
Ganesh V. Kaundinya	2015	432,708	927,139	310,065	187,924	13,014	1,870,850
<i>Chief Scientific Officer and</i>	2014	400,656	346,844	429,440	163,468	12,852	1,353,260
<i>Senior Vice President, Research</i>	2013	387,482	138,380	201,846	154,605	12,474	894,787
Bruce A. Leicher	2015	416,042	902,583	281,874	176,279	12,932	1,789,710
<i>Senior Vice President, General</i>	2014	387,085	364,193	450,915	144,925	12,731	1,359,849
<i>Counsel and Secretary</i>	2013	373,634	138,380	201,846	150,948	12,498	877,306
James M. Roach	2015	442,776	927,139	310,065	187,606	12,666	1,880,252
<i>Chief Medical Officer and Senior</i>	2014	409,978	364,193	450,915	167,271	12,516	1,404,873
<i>Vice President, Development</i>	2013	395,732	152,218	222,031	159,876	12,126	941,983

(1)

The company pays its employees on a bi-weekly basis. The amounts shown as 2015 salary exceed the Named Executives' regular annual salary amount because they reflect 27 (rather than the usual 26) pay periods that occurred in 2015 due to the timing of the bi-weekly pay periods in the 2015 calendar year.

(2)

Valuation based on the aggregate grant date fair value of stock and option awards granted in 2015 computed in accordance with the Financial Accounting Standards Board, or FASB, Accounting Standards Codification, or ASC, Topic 718, Stock Compensation (excluding the effect of estimated forfeitures) and the incremental fair value computed as of the modification date in accordance with FASB ASC Topic 718 for performance-based stock awards granted in 2011 and whose vesting terms were modified in 2015. The aggregate grant date fair value of stock and option awards and incremental fair value of modified performance-based awards does not correspond to the actual value that will be realized by the Named Executive upon vesting or exercise of such award. The assumptions used by us with respect to the valuation of stock and option awards are set forth in Note 2 and Note 11 to our financial statements contained in our Annual Report on Form 10-K for year ended December 31, 2015 as filed with the Securities and Exchange Commission on February 26, 2016.

(3)

The following table sets forth information regarding all other compensation for the year ended December 31, 2015:

Name	Tax Advice Expense (\$)	Insurance Expense (\$)	Tax Gross-up (\$)	401(k) Match (\$)	Parking/ Transit (\$)	Gym Fees (\$)	Insurance Premiums (\$)	Total (\$)
Craig A. Wheeler	5,000	5,000	4,586	7,950	5,517	94	1,356	29,503
Richard P. Shea				7,950	3,360		1,356	12,666
Ganesh V. Kaundinya				7,950	3,360	348	1,356	13,014
Bruce A. Leicher				7,950	3,626		1,356	12,932
James M. Roach				7,950	3,360		1,356	12,666

Table of Contents**2015 Grants of Plan-Based Awards**

The following table sets forth information regarding awards made to our Named Executives during the year ended December 31, 2015:

Name	Type of Award(1)	Grant Date	Estimated Future Payouts Under Non-Equity Incentive Plan Awards(2)		Estimated Future Payouts Under Equity Incentive Plan Awards	All Other Stock Awards: Number of Shares of Stock (#)	All Other Option Awards: Number of Securities Underlying Options (#)	Exercise Price of Awards(6) (\$/Sh)	Grant Date Fair Value of Stock and Option Awards(7) (\$)
			Target (\$)	Maximum (\$)					
Craig A. Wheeler	RS	2/18/2015(3)				70,000			911,400
	SO	2/18/2015(4)					140,000	13.02	1,046,052
	PSA	3/11/2015(5)			147,500				2,153,500
	AIBP	N/A	466,111	998,810					
Richard P. Shea	RS	2/18/2015(3)				16,976			221,028
	SO	2/18/2015(4)					33,953	13.02	253,690
	PSA	3/11/2015(5)			45,000				657,000
	AIBP	N/A	154,426						
Ganesh V. Kaundinya	RS	2/18/2015(3)				20,748			270,139
	SO	2/18/2015(4)					41,498	13.02	310,065
	PSA	3/11/2015(5)			45,000				657,000
	AIBP	N/A	166,673						
Bruce A. Leicher	RS	2/18/2015(3)				18,862			245,583
	SO	2/18/2015(4)					37,725	13.02	281,874
	PSA	3/11/2015(5)			45,000				657,000
	AIBP	N/A	160,253						
James M. Roach	RS	2/18/2015(3)				20,748			270,139
	SO	2/18/2015(4)					41,498	13.02	310,065
	PSA	3/11/2015(5)			45,000				657,000
	AIBP	N/A	170,551						

(1)

Type of Award:  
AIBP = Annual Incentive Bonus Plan  
RS = Restricted Stock  
SO = Stock Option  
PSA = Modified Performance Share Award

(2)

All awards in these columns were granted under our annual incentive cash bonus plan. The actual amounts awarded are reported in the "Non-Equity Incentive Plan Compensation" column in the Summary Compensation Table above. See "Executive Compensation Compensation Discussion and Analysis Elements of Compensation Annual Incentive Cash Bonus" for a description of this plan.

(3)

These shares of common stock are subject to a restricted stock agreement dated February 18, 2015, pursuant to which 25% of such shares vested and became free from forfeiture on February 18, 2016 and an additional 6.25% of the shares vest and become free from forfeiture at the end of each successive three-month period thereafter.

(4)

The shares of common stock underlying this option vest as to 6.25% of the shares on May 18, 2015 and at the end of each successive three-month period thereafter.

(5)

Represents performance-based restricted stock awards that were originally scheduled to vest upon marketing approval from the FDA of M356, on or before the performance deadline date of March 28, 2015. Pursuant to the original vesting schedule, 50% of the shares would vest on FDA approval and 50% would vest on the one year anniversary of FDA approval. On March 11, 2015, the board of directors approved an amendment to these awards that

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extended the performance deadline date to September 1, 2015 and provided for the forfeiture of 15% of the number of shares originally subject to each award on the 29<sup>th</sup> of each month beginning March 29, 2015 until the shares vested or were forfeited in full. Accordingly, on March 29, 2015, 15% of the shares subject to each award were forfeited. The FDA approved M356 on April 16, 2015 and 50% of the performance shares, after giving effect to the 15% forfeiture, vested on such date. The remaining shares vested on April 18, 2016.

(6)

The exercise price of the applicable stock option is equal to the closing price of our common stock as reported by the NASDAQ Global Market on the date of grant.

(7)

Valuation based on the aggregate grant date fair value of stock and option awards computed in accordance with FASB ASC Topic 718 (excluding the effect of estimated forfeitures) and the incremental fair value computed as of the modification

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date in accordance with FASB ASC Topic 718 for performance-based stock awards granted in 2011 and whose vesting terms were modified in 2015. The aggregate grant date fair value of stock and option awards and incremental fair value of modified performance-based awards does not correspond to the actual value that will be realized by the Named Executive upon vesting or exercise of such award. The assumptions used by us with respect to the valuation of stock and option awards are set forth in Note 2 and Note 11 to our financial statements contained in our Annual Report on Form 10-K for year ended December 31, 2015 as filed with the Securities and Exchange Commission on February 26, 2016.

## Outstanding Equity Awards at 2015 Year-End

The following table sets forth information regarding outstanding stock options and awards of restricted stock held by our Named Executives as of December 31, 2015:

Name	Option Awards				Stock Awards	
	Number of Securities Underlying Unexercised Options (#) Exercisable	Number of Securities Underlying Unexercised Options (#) Unexercisable	Option Exercise Price (\$)	Option Expiration Date	Number of Shares of Stock That Have Not Vested (#)	Market Value of Shares of Stock That Have Not Vested(1) (\$)
Craig A. Wheeler	83,333		16.18	8/21/2016	3,750(2)	55,650
	77,000		7.41	2/22/2018	62,688(3)	930,290
	100,000		10.43	2/25/2019	18,750(4)	278,250
	100,000		15.37	2/18/2020	39,375(5)	584,325
	100,000		13.26	2/22/2021	70,000(6)	1,038,800
	140,625(7)	9,375(7)	15.44	2/14/2022		
	103,125(8)	46,875(8)	12.58	2/19/2023		
	61,250(9)	78,750(9)	17.96	2/18/2024		
	26,250(10)	113,750(10)	13.02	2/18/2025		
Richard P. Shea	18,750		23.62	3/6/2016	438(2)	6,500
	7,000		12.81	2/21/2017	19,125(3)	283,815
	15,000		10.41	8/14/2017	3,438(4)	51,020
	34,750		7.41	2/22/2018	10,863(5)	161,207
	17,100		10.43	2/25/2019	16,976(6)	251,924
	23,750		15.37	2/18/2020		
	23,178		13.26	2/22/2021		
	18,750(7)	1,250(7)	15.44	2/14/2022		
	19,250(8)	8,750(8)	12.58	2/19/2023		
	16,876(9)	21,699(9)	17.96	2/18/2024		
Ganesh V. Kaundinya	6,366(10)	27,587(10)	13.02	2/18/2025		
	15,000		12.81	2/21/2017	655(2)	9,720
	34,750		7.41	2/22/2018	19,125(3)	283,815
	18,050		10.43	2/25/2019	3,438(4)	51,020
	26,125		15.37	2/18/2020	10,863(5)	161,207
	25,495		13.26	2/22/2021	20,748(6)	307,900
	24,546(7)	1,637(7)	15.44	2/14/2022		
	19,250(8)	8,750(8)	12.58	2/19/2023		
	16,876(9)	21,699(9)	17.96	2/18/2024		
	7,780(10)	33,718(10)	13.02	2/18/2025		
Bruce Leicher	23,750		15.37	2/18/2020	813(2)	12,065
	23,178		13.26	2/22/2021	19,125(3)	283,815
	28,125(7)	1,875(7)	15.44	2/14/2022	3,438(4)	51,020
	19,250(8)	8,750(8)	12.58	2/19/2023	11,407(5)	169,280
	17,720(9)	22,784(9)	17.96	2/18/2024	18,862(6)	279,912
	7,073(10)	30,652(10)	13.02	2/18/2025		
James M. Roach	47,500		7.41	2/22/2018	655(2)	5,268
	19,000		10.43	2/25/2019	19,125(3)	283,815
	23,750		15.37	2/18/2020	3,782(4)	56,125
	23,178		13.26	2/22/2021	11,407(5)	169,280
	24,546(7)	1,637(7)	15.44	2/14/2022	20,748(6)	307,900

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21,175(8)	9,625(8)	12.58	2/19/2023
17,720(9)	22,784(9)	17.96	2/18/2024
7,780(10)	33,718(10)	13.02	2/18/2025

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(1)

Based on \$14.84 per share, the last sale price of Momenta common stock on December 31, 2015.

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- (2) These shares of common stock are subject to a restricted stock agreement dated February 14, 2012, pursuant to which 25% of such shares vest and became free from forfeiture on February 14, 2013 and an additional 6.25% of the shares vest and become free from forfeiture at the end of each successive three-month period thereafter.
- (3) Represents 50% of the M356 performance shares, after giving effect to the 15% forfeiture, that vest on April 18, 2016, upon the first anniversary of the date of FDA approval for M356.
- (4) These shares of common stock are subject to a restricted stock agreement dated February 19, 2013, pursuant to which 25% of such shares vest and became free from forfeiture on February 19, 2014 and an additional 6.25% of the shares vest and become free from forfeiture at the end of each successive three-month period thereafter.
- (5) These shares of common stock are subject to a restricted stock agreement dated February 18, 2014, pursuant to which 25% of such shares vest and became free from forfeiture on February 18, 2015 and an additional 6.25% of the shares vest and become free from forfeiture at the end of each successive three-month period thereafter.
- (6) These shares of common stock are subject to a restricted stock agreement dated February 18, 2015, pursuant to which 25% of such shares vest and became free from forfeiture on February 18, 2016 and an additional 6.25% of the shares vest and become free from forfeiture at the end of each successive three-month period thereafter.
- (7) The shares of common stock underlying these options vest as to 6.25% of the shares on May 14, 2012 and at the end of each successive three-month period thereafter.
- (8) The shares of common stock underlying these options vest as to 6.25% of the shares on May 19, 2013 and at the end of each successive three-month period thereafter.
- (9) The shares of common stock underlying these options vest as to 6.25% of the shares on May 18, 2014 and at the end of each successive three-month period thereafter.
- (10) The shares of common stock underlying these options vest as to 6.25% of the shares on May 18, 2015 and at the end of each successive three-month period thereafter.

**2015 Option Exercises and Stock Vested**

The following table sets forth information regarding options exercised by our Named Executives and shares of restricted stock that vested and became free from forfeiture during the fiscal year ended December 31, 2015.

Name	Option Awards		Stock Awards	
	Number of Shares Acquired on Exercise (#)	Value Realized on Exercise(1) (\$)	Number of Shares Acquired on Vesting (#)	Value Realized on Vesting(2) (\$)
Craig A. Wheeler	291,667	1,725,008	128,001	2,165,593
Richard P. Shea	11,250	63,675	32,654	551,263
Ganesh V. Kaundinya			33,581	567,504
Bruce A. Leicher	100,000	586,403	34,576	584,717
James M. Roach	100,000	1,329,000	34,220	578,505

- (1) Value realized on exercise is based on the closing sale price of our common stock on the applicable date of exercise less the applicable option exercise price.
- (2) Value realized upon vesting is based on the closing sale price of our common stock on the applicable vesting date.



**Employment, Severance and Change of Control Arrangements**

***Craig A. Wheeler Employment Agreement***

On August 22, 2006, we entered into an employment agreement with Craig A. Wheeler, pursuant to which Mr. Wheeler serves as our President and CEO and as a member of the board of directors. In December 2010, Mr. Wheeler's employment agreement was amended.

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*Salary, Bonus and Benefits*

Pursuant to his employment agreement, Mr. Wheeler receives an annual base salary determined by the compensation committee, which is \$689,179 for 2016. Mr. Wheeler is also eligible to receive bonuses of up to 150% of his base salary for the applicable fiscal year. Details of Mr. Wheeler's 2015 cash bonus are described above under the caption "*Elements of Compensation - Annual Incentive Cash Bonus*." Mr. Wheeler is also entitled to specified benefits, including: participation in our sponsored benefit programs; reimbursement for life and disability insurance premium expenses up to \$5,000 per year and related tax gross-up payments; and reimbursement of tax and financial advisor fees incurred by Mr. Wheeler, up to \$5,000 per year, during the period of his employment.

*Payments Upon Termination by Reason of Death or Disability, Termination Without Cause or Resignation for Good Reason*

Under Mr. Wheeler's employment agreement, Mr. Wheeler or Momenta may terminate Mr. Wheeler's employment at any time. In the event Mr. Wheeler's employment is terminated without cause by us, as the result of death or disability or Mr. Wheeler terminates his employment for good reason, other than in connection with a change of control, we have agreed to pay Mr. Wheeler a lump sum equal to:

12 months of Mr. Wheeler's highest base salary in effect during the 12 months prior to the date of termination; and

an amount equal to the greater of 60% of such base salary or Mr. Wheeler's last paid bonus.

Additionally, Mr. Wheeler and his dependents will continue to receive benefits under the company's medical and dental plans, or will receive comparable benefits, at subsidized rates to the same extent as active employees, for a maximum of 12 months following such termination subject to his re-employment with comparable benefits. In addition, any time-based awards that would have vested if Mr. Wheeler had remained employed for an additional 12 months and 25% of any unvested performance-based awards will fully and immediately vest.

*Payments Upon Termination in Connection with a Change of Control*

If Mr. Wheeler terminates his employment for good reason within 24 months following a change of control of Momenta, or if we terminate Mr. Wheeler's employment without cause within 24 months following a change of control, we have agreed to pay Mr. Wheeler a lump-sum cash payment equal to:

24 months of Mr. Wheeler's highest base-salary in effect during the 12 months prior to the date of termination;

an amount equal to the greater of 60% of two years of such base salary or two times the last bonus paid to Mr. Wheeler; and

if the aggregate purchase price paid in a change of control transaction equals or exceeds \$1.1 billion, an additional amount equal to 12 months of base salary in effect at the time of Mr. Wheeler's termination and the greater of 60% of one year of such base salary or the last bonus paid to Mr. Wheeler.

Additionally, Mr. Wheeler and his dependents will continue to receive benefits under the company's medical and dental plans, or will receive comparable benefits for 24 months (or a maximum of 36 months if the purchase price of the transaction equals or exceeds \$1.1 billion) following such termination at subsidized rates to the same extent as active employees subject to his re-employment with comparable benefits. In addition, Mr. Wheeler is entitled to reimbursement for excise taxes due under Section 4999 of the Code (as well as income and employment taxes due on the reimbursement payment) following a change of control and, if terminated as described above after a change of control, the unvested portions of all stock-based awards shall fully and immediately vest.

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*Non-Competition, Non-Solicitation, Confidential Information and Developments*

Our employment agreement with Mr. Wheeler also contains non-disclosure, non-competition and assignment of intellectual property terms. These terms provide for the protection of our confidential information and the transfer of ownership rights to intellectual property developed by Mr. Wheeler to us and a 12-month non-compete provision.

***Executive Employment Agreements with Richard P. Shea, Ganesh V. Kaundinya, Bruce A. Leicher and James M. Roach***

We have also entered into executive employment agreements, as amended, or the Executive Employment Agreements, with Richard P. Shea, Ganesh V. Kaundinya, Bruce A. Leicher and James M. Roach.

*Salary, Bonus and Benefits*

Pursuant to the Executive Employment Agreements, we have agreed to pay Messrs. Shea, Kaundinya, Leicher and Roach annual base salaries as determined by the compensation committee. If our board of directors approves an annual bonus, each of them will be eligible for a discretionary bonus award. The annual target for each executive's bonus is currently 40% of the executive's annualized base salary. The compensation committee will determine, in its sole discretion, whether (and in what amount) a bonus award is payable to each executive. In order to be eligible for any bonus hereunder, the executive must be an active employee of the company on the date such bonus is paid.

Each executive is entitled to participate in all benefit plans and programs that we establish and make available to our employees to the extent that the executive is eligible under (and subject to the provisions of) the plan documents governing those programs.

*Payments Upon Resignation by the Executive Without Good Reason or Termination by Us for Cause*

If the executive voluntarily resigns his employment other than for good reason (as defined in each Executive Employment Agreement), or if we terminate the executive for cause (as defined in each Executive Employment Agreement), we will pay the executive all accrued and unpaid base salary through the executive's date of termination and any vacation that is accrued but unused as of such date. The executive will not be eligible for any severance or separation payments or any continuation of benefits (other than those provided for under COBRA), or any other compensation pursuant to the Executive Employment Agreement or otherwise. The executive will also have such rights, if any, with respect to outstanding stock options and restricted stock grants as may be provided under each applicable award agreement.

*Payments Upon Termination by Reason of Death or Disability, Termination Without Cause or Resignation for Good Reason*

If the executive's employment with us is terminated by reason of the executive's death or disability (as defined in each Executive Employment Agreement), by us without cause, or by the executive's voluntary resignation for good reason, other than in connection with a change of control (as defined in each Executive Employment Agreement), then the executive will be paid all accrued and unpaid base salary and any accrued but unused vacation through the date of termination. In addition, the executive will be eligible to receive the following separation benefits:

an amount equal to the sum of 12 months of the executive's base salary as of the date of termination and the greater of (i) the annual discretionary target bonus established by our board of directors (or any other person or persons having authority with respect thereto) for the

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executive for the fiscal year in which the date of termination occurs or (ii) the annual bonus paid to the executive for the most recently completed fiscal year;

insurance, medical, dental, health and accident and disability benefits as in effect immediately prior to the termination date for a period of 12 months; and

continued vesting of any unvested stock options for a period of 12 months from the date of termination and an extension of the right to exercise any outstanding stock options through the earlier of three months after such 12-month period or the original expiration date of the applicable stock option. The executive will also be entitled to immediate vesting, on the date of termination, of any restricted stock awards with underlying shares that vest solely through the passage of time (i.e., service-based vesting) and not upon the achievement of specified conditions or milestones (i.e., performance-based vesting), in each case that would have vested during the period of 12 months from the date of termination.

*Payments Upon Termination in Connection with a Change of Control*

If the executive's employment with the Company is terminated without cause or if the executive terminates his employment with good reason, in each case, within one year following a change of control (as defined in each Executive Employment Agreement), the executive will be entitled to all accrued and unpaid base salary and any accrued but unused vacation through the date of termination. In addition, the executive will be eligible to receive the following separation benefits:

an amount equal to the sum of 12 months of the executive's base salary as of the date of termination and the greater of (i) the annual discretionary target bonus established by our board of directors (or any other person or persons having authority with respect thereto) for the executive for the fiscal year in which the date of termination occurs or (ii) the annual bonus paid to the executive for the most recently completed fiscal year;

insurance, medical, dental, health and accident and disability benefits as in effect immediately prior to the termination date for a period of 12 months; and

immediate vesting of any unvested stock options, restricted stock awards and any other outstanding equity-based awards. All such equity awards (whether stock options or restricted stock grants) will remain exercisable in accordance with the applicable stock option plan or grant agreement.

*Non-Competition, Non-Solicitation, Confidential Information and Developments*

Each of the executives have entered into agreements providing for the protection of our confidential information, the transfer of ownership rights to intellectual property developed by each such executive to us and a 12-month non-compete provision.

**Potential Termination and Change of Control Payments**

*Potential Termination and Change of Control Payments for Craig A. Wheeler*

The following table summarizes the potential payments, benefits and acceleration of vesting applicable to stock options and restricted stock awards under our employment agreement with Mr. Wheeler. The amounts shown below assume that the termination of Mr. Wheeler was effective as

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of December 31, 2015. Actual amounts payable to Mr. Wheeler upon his termination can only be determined definitively at the time of his actual departure.

Benefit	Voluntary Termination or Termination for Cause	Termination Without Cause, Termination by Reason of Death or Disability, or Resignation for Good Reason	Termination Without Cause or Resignation for Good Reason Within 24 Months of a Change of Control
<i>Accrued Obligations</i>			
Unused Vacation	\$ 67,863	\$ 67,863	\$ 67,863
<i>Severance Benefits</i>			
Lump-sum cash payment		1,098,208(2)	2,196,416(3)
Lump-sum payment with respect to business combination			1,098,208(4)
Insurance/Healthcare benefits		25,399(5)	76,197(6)
<i>Market Value of Stock Vesting on Termination(1)</i>		1,373,446(7)	3,200,270(8)
<i>Gross-Up Payments</i>			3,672,331(9)
<b>Total</b>	<b>\$ 67,863</b>	<b>\$ 2,564,916</b>	<b>\$ 10,311,285</b>

- 
- (1) Based on the last sale price of our common stock on December 31, 2015, which was \$14.84 per share.
- (2) Represents a lump sum payment equal to 12 months of the highest base salary in effect for Mr. Wheeler during the 12 months prior to his termination, or \$665,873, plus an amount equal to his last paid bonus, or \$432,335. This amount is to be paid in full six months and one day after the date of Mr. Wheeler's termination.
- (3) Represents a lump sum payment equal to 24 months of the highest base salary in effect for Mr. Wheeler during the 12 months prior to his termination, or \$1,331,746, plus an amount equal to two times Mr. Wheeler's last paid bonus, or \$864,670. This amount is to be paid in full six months and one day after the date of Mr. Wheeler's termination.
- (4) Assumes that the change of control involves a business combination with an aggregate purchase price exceeding \$1.1 billion. In such event, Mr. Wheeler is entitled to an additional lump sum payment equal to 12 months of the highest base salary in effect for Mr. Wheeler during the 12 months prior to his termination, or \$665,873, plus an amount equal to his last paid bonus, or \$432,335.
- (5) Represents benefits payable over 12 months for continuation of coverage under medical and dental plans for Mr. Wheeler and his dependents subject to Mr. Wheeler's re-employment with comparable healthcare benefits. The value is based upon the type of insurance coverage we carried for Mr. Wheeler as of December 31, 2015 and is valued at the premiums in effect on December 31, 2015.
- (6) Assumes that the change of control involves a business combination with an aggregate purchase price exceeding \$1.1 billion, and represents benefits payable over 36 months for continuation of coverage under medical and dental plans for Mr. Wheeler and his dependents subject to Mr. Wheeler's re-employment with comparable healthcare benefits. In the event the aggregate purchase price is less than \$1.1 billion, Mr. Wheeler would be entitled to 24 months continuation of coverage under medical and dental plans for Mr. Wheeler and his dependents subject to Mr. Wheeler's re-employment with comparable healthcare benefits, with a value equal to \$50,798.



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This value is based upon the type of insurance coverage we carried for Mr. Wheeler as of December 31, 2015 and is valued at the premiums in effect on December 31, 2015.

- (7) Represents the acceleration of vesting of: 3,750 shares of common stock subject to a restricted stock agreement between us and Mr. Wheeler dated February 14, 2012; 15,000 shares of common stock subject to a restricted stock agreement between us and Mr. Wheeler dated February 19, 2013; 37,500 shares of common stock underlying stock options granted to Mr. Wheeler dated February 19, 2013; 17,500 shares of common stock subject to a restricted stock agreement between us and Mr. Wheeler dated February 18, 2014; 30,625 shares of common stock subject to a restricted stock agreement between us and Mr. Wheeler dated February 18, 2015; 35,000 shares of common stock underlying stock options granted to Mr. Wheeler dated February 18, 2015; 15,672 shares of common stock subject to a restricted stock agreement between us and Mr. Wheeler dated March 11, 2015. If Mr. Wheeler's employment with us is terminated without cause, he resigns for good reason or his employment is terminated due to his death or disability in periods after December 31, 2015, acceleration of vesting to additional equity awards will apply. See the discussion in this proxy statement under the heading "Employment, Severance and Change of Control Arrangements Craig A. Wheeler Employment Agreement."
- (8) Represents the acceleration of vesting of: 3,750 shares of common stock subject to a restricted stock agreement between us and Mr. Wheeler dated February 14, 2012; 18,750 shares of common stock subject to a restricted stock agreement between us and Mr. Wheeler dated February 19, 2013; 46,875 shares of common stock underlying stock options granted to Mr. Wheeler dated February 19, 2013; 39,375 shares of common stock subject to a restricted stock agreement between us and Mr. Wheeler dated February 18, 2014; 70,000 shares of common stock subject to a restricted stock agreement between us and Mr. Wheeler dated February 18, 2015; 113,750 shares of common stock underlying stock options granted to Mr. Wheeler dated February 18, 2015; 62,688 shares of common stock subject to a restricted stock agreement between us and Mr. Wheeler dated March 11, 2015. If Mr. Wheeler's employment with us is terminated without cause, he resigns for good reason or his employment is terminated due to his death or disability in periods after December 31, 2015, acceleration of vesting to additional equity awards will apply. See the discussion in this proxy statement under the heading "Employment, Severance and Change of Control Arrangements Craig A. Wheeler Employment Agreement."
- (9) Represents the excise tax payable under section 280G of the United States Internal Revenue Code.

*Potential Termination and Change of Control Payments for Messrs. Shea, Kaundinya, Leicher and Roach*

The following table summarizes the potential payments, benefits and acceleration of vesting applicable to stock options and restricted stock awards under our Executive Employment Agreements with each of Messrs. Shea, Kaundinya, Leicher and Roach. The amounts shown below assume that the termination of each executive was effective as of December 31, 2015 and that each of the Executive Employment Agreements was effective as of December 31, 2015. Actual amounts payable to each

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Named Executive listed below upon his termination can only be determined definitively at the time of each Named Executive's actual departure.

Name	Benefit	Termination for		
		Voluntary Termination or Termination for Cause	Death, Disability, Without Cause or for Good Reason Other than in Connection with Change of Control	Termination Without Cause or Resignation for Good Reason Within 12 Months of a Change of Control
Richard P. Shea	<i>Accrued Obligations</i>			
	Unused Vacation	\$ 27,099	\$ 27,099	\$ 27,099
	<i>Severance Benefits</i>			
	Lump Sum Cash Severance		540,490(2)	540,490(2)
	Insurance/Healthcare Benefits		16,200(3)	16,200(3)
	<i>Market Value of Stock Vesting on Termination(1)</i>		260,442(4)	824,449(5)
	Total	\$ 27,099	\$ 844,231	\$ 1,408,238
Ganesh V. Kaundinya	<i>Accrued Obligations</i>			
	Unused Vacation	\$ 44,874	\$ 44,874	\$ 44,874
	<i>Severance Benefits</i>			
	Lump Sum Cash Severance		583,355(2)	583,355(2)
	Insurance/Healthcare Benefits		25,399(3)	25,399(3)
	<i>Market Value of Stock Vesting on Termination(1)</i>		291,583(4)	894,804(5)
	Total	\$ 44,874	\$ 945,211	\$ 1,548,432
Bruce A. Leicher	<i>Accrued Obligations</i>			
	Unused Vacation	\$ 27,736	\$ 27,736	\$ 27,736
	<i>Severance Benefits</i>			
	Lump Sum Cash Severance		560,886(2)	560,886(2)
	Insurance/Healthcare Benefits		25,399(3)	25,399(3)
	<i>Market Value of Stock Vesting on Termination(1)</i>		283,528(4)	871,653(5)
	Total	\$ 27,736	\$ 897,549	\$ 1,485,674
James M. Roach	<i>Accrued Obligations</i>			
	Unused Vacation	\$ 16,674	\$ 16,674	\$ 16,674
	<i>Severance Benefits</i>			
	Lump Sum Cash Severance		596,928(2)	596,928(2)
	Insurance/Healthcare Benefits		25,399(3)	25,399(3)
	<i>Market Value of Stock Vesting on Termination(1)</i>		380,822(4)	909,960(5)
	Total	\$ 16,674	\$ 1,019,823	\$ 1,548,961

- (1) Based on the last sale price of our common stock on December 31, 2015, which was \$14.84 per share.
- (2) Represents an amount equal to the Named Executive's annual base salary payable over the applicable severance period and an amount equal to the Named Executive's 2015 target bonus. Such amounts are to be paid within 30 days after the Named Executive's termination date. For more information relating to compensation earned by our Named Executives, see the section of this proxy statement entitled "Executive Compensation Summary Compensation Table."
- (3) Represents amounts payable over 12 months for continuation of coverage for insurance, medical, dental, health and accident and disability benefits for each Named Executive and his family members subject to the Named Executive's re-employment with comparable healthcare benefits. The value is based upon the type of insurance coverage we carried for each Named Executive as of December 31, 2015 and is valued at the premiums in effect on December 31, 2015. For more information relating to compensation earned by our Named Executives, see the section of this proxy statement entitled "Executive Compensation Summary Compensation Table."
- (4) Represents continued vesting for an additional 12-month period of all unvested stock options and all time-based restricted stock awards held by the Named Executives as of December 31, 2015. For more information concerning option and restricted common stock awards held by our Named Executives, see the section of this proxy statement entitled "Executive Compensation Outstanding Equity Awards at 2015 Year End."



(5)

Represents immediate vesting of all unvested stock options and all time-based and performance-based restricted stock awards held by the Named Executives as of December 31, 2015. For more information concerning option and restricted common stock awards held by our Named Executives, see the section of this proxy statement entitled "Executive Compensation Outstanding Equity Awards at 2015 Year End."

Table of Contents**DIRECTOR COMPENSATION**

Non-employee director compensation is set by our board of directors at the recommendation of the compensation committee. No changes were made to director compensation in 2015. Our 2015 compensation for non-employee directors consisted of:

*Grant of Stock Options Upon Appointment.* Each newly elected non-employee director receives an option to purchase up to 30,000 shares of our common stock upon appointment to the board of directors. These options vest as to 1/3 of the underlying shares on the first anniversary of the grant date and in eight quarterly installments over the two years following the grant date, subject to such director's continued service to the Company.

*Grant of Additional Stock Options.* Non-employee directors who served on our board of directors during the prior calendar year and who continue to serve on the board of directors are granted an option to purchase up to 17,750 shares of our common stock on the date of the board meeting coinciding with the annual meeting of stockholders. These options vest in full on the first anniversary of the grant date, subject to the non-employee director's continued service to the Company.

*Payment of Retainer Fee; Reimbursement of Travel and Other Expenses.* In addition to an option grant, each non-employee director receives an annual retainer for his or her service on our board of directors as well as additional fees for committee service as follows:

	<b>Fees (\$)</b>
Annual Retainer	40,000
Non-Employee Chairman of the Board	30,000
Audit Committee Chairperson	20,000
Audit Committee Members (other than the Chairperson)	10,000
Compensation Committee Chairperson	15,000
Compensation Committee Members	7,500
Nominating and Corporate Governance Committee Chairperson	12,000
Nominating and Corporate Governance Committee Members	6,000
Science Committee Chairperson	10,000
Science Committee Members	7,500
Science Committee, Chairperson and Members	3,000 for each all-day session attended (up to a maximum of \$15,000 per year) which is in addition to the standard quarterly meetings of the Science Committee

All retainer amounts are paid quarterly in arrears. Non-employee directors also received reimbursement for reasonable travel and other expenses in connection with attending meetings of our board of directors.

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The following table sets forth the fees earned by each of our non-employee directors for his or her service on the board of directors and the aggregate grant date fair value of option awards granted to our non-employee directors for the year ended December 31, 2015:

**2015 Director Compensation**

Name	Fees Earned or		Total (\$)
	Paid in Cash \$(1)	Option Awards \$(2)	
John K. Clarke(3)	65,000	194,725	259,725
Bruce L. Downey	57,500	194,725	252,225
Marsha H. Fanucci	66,000	194,725	260,725
Thomas P. Koestler	55,000	194,725	249,725
Bennett M. Shapiro	57,500	194,725	252,225
Elizabeth Stoner	53,500	194,725	248,225
James R. Sulat	92,000	194,725	286,725

(1) The fees earned by the non-employee directors in 2015 consist of the following: (i) an annual retainer; (ii) a fee to the non-employee chairman of the board; and (iii) an annual fee for chairing and being a member of each of the audit, compensation, nominating and corporate governance and science committees.

(2) Each non-employee director received an option to purchase 17,750 shares of our common stock on June 10, 2015, the day following the date of our 2015 annual meeting of stockholders. Valuation of these awards is based on the aggregate grant date fair value computed in accordance with FASB ASC Topic 718, Stock Compensation (excluding the effect of estimated forfeitures). These amounts do not correspond to the actual value that will be realized by the director upon vesting or exercise of such award. The assumptions used by us with respect to the valuation of stock and option awards are set forth in Note 2 and Note 11 to our financial statements contained in our Annual Report on Form 10-K for the year ended December 31, 2015 as filed with the Securities and Exchange Commission on February 26, 2016. The following table shows the aggregate number of stock option grants outstanding for each non-employee director as of December 31, 2015. None of our non-employee directors held unvested stock awards as of December 31, 2015:

Name	Aggregate Number of Shares	
	Subject to Outstanding	Stock Options(#)
John K. Clarke		176,350
Bruce L. Downey		123,750
Marsha H. Fanucci		176,350
Thomas P. Koestler		101,000
Bennett M. Shapiro		161,350
Elizabeth Stoner		132,950
James R. Sulat		133,750

(3) Mr. Clarke retired from our board of directors effective December 31, 2015.

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**SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT**

The following table sets forth information regarding beneficial ownership of our common stock as of April 15, 2016 by:

each person, or group of affiliated persons, known to us to be the beneficial owner of more than 5% of the outstanding shares of our common stock as of such date based on currently available Schedules 13D and 13G filed with the Securities and Exchange Commission;

each of our directors (which includes all nominees);

our Named Executives; and

all of our directors and executive officers as a group.

The number of shares of common stock beneficially owned by each person or entity is determined in accordance with the applicable rules of the Securities and Exchange Commission and includes voting or investment power with respect to shares of our common stock. The information is not necessarily indicative of beneficial ownership for any other purpose. Shares of our common stock issuable under stock options exercisable on or before June 14, 2016 are deemed beneficially owned for computing the percentage ownership of the person holding the options, but are not deemed outstanding for computing the percentage ownership of any other person. Unless otherwise indicated, to our knowledge, all persons named in the table have sole voting and investment power with respect to their shares of common stock, except to the extent authority is shared by spouses under community property laws. Unless otherwise indicated, the address of all directors and executive officers is c/o Momena Pharmaceuticals, Inc., 675 West Kendall Street, Cambridge, Massachusetts 02142. The inclusion of any

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shares deemed beneficially owned in this table does not constitute an admission of beneficial ownership of those shares.

<b>Name and Address of Beneficial Owner</b>	<b>Total Number of Shares Beneficially Owned</b>	<b>Percentage of Common Stock Beneficially Owned(1)</b>
<b><i>Holders of more than 5% of our Common Stock</i></b>		
FMR, LLC 245 Summer Street Boston, MA 02210	10,349,589(2)	14.6
BlackRock, Inc. 40 East 52 <sup>nd</sup> Street New York, NY 10022	6,930,871(3)	9.8
The Vanguard Group 100 Vanguard Blvd. Malvern, PA 19355	4,840,306(4)	6.8
Novartis AG Lichstrasse 35 CH 4058 Basel, Switzerland	4,708,679(5)	6.6
Discovery Capital Management, LLC 20 Marshall Street South Norwalk, CT 06854	4,501,915(6)	6.3
Invesco Ltd. 1555 Peachtree Street NE, Suite 1800 Atlanta, GA 30309	3,762,228(7)	5.3
<b><i>Directors (which includes all nominees) and Named Executives</i></b>		
Jose Carlos Gutierrez-Ramos		*
Bruce L. Downey	133,750(8)	*
Marsha H. Fanucci	185,350(9)	*
Georges Gemayel	4,000(10)	
Thomas P. Koestler	101,000(11)	*
Bennett M. Shapiro	172,184(12)	*
Elizabeth Stoner	146,190(13)	*
James R. Sulat	148,750(14)	*
Craig A. Wheeler	1,582,646(15)	2.2
Richard P. Shea	336,114(16)	*
Bruce A. Leicher	325,439(17)	*
Ganesh V. Kaundinya	666,388(18)	*
James M. Roach	365,249(19)	*
<b><i>All Directors and executive officers as a group (15 persons)</i></b>	<b>4,454,543(20)</b>	<b>6.1</b>

\*

Less than 1% of our outstanding common stock.

(1)

Applicable percentage of ownership for each holder is based on 70,915,860 shares of common stock outstanding on April 15, 2016, plus any common stock equivalents and presently exercisable stock options or warrants held by each such holder, and options or warrants held by each such holder which will become exercisable as of June 14, 2016.

(2)

Information is based on a Schedule 13G/A filed by FMR LLC, Abigail P. Johnson and Fidelity Growth Company Fund on February 12, 2016. According to the cover pages of the

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Schedule 13G/A, FMR LLC has sole voting power over 1,812,603 shares and sole dispositive power over all 10,349,589 shares, Abigail P. Johnson does not have voting power over any shares and has sole dispositive power over all 10,349,589 shares, and Fidelity Growth Company Fund has sole voting power over 5,626,803 shares and does not have dispositive power over any shares.

- (3) Information is based on a Schedule 13G/A filed by BlackRock, Inc. on January 8, 2016 and is as of December 31, 2015. According to the Schedule 13G/A, Blackrock has sole voting power over 6,762,766 of such shares and sole dispositive power over all 6,930,871 shares.
- (4) Information is based on a Schedule 13G/A filed by The Vanguard Group on February 10, 2016, and is as of December 31, 2015. According to the Schedule 13G/A, The Vanguard Group has sole voting power with respect to 135,068 shares, sole dispositive power with respect to 4,704,238 shares, shared voting power with respect to 4,900 shares and shared dispositive power with respect to 136,068 shares.
- (5) Information is based on a Schedule 13D filed on August 4, 2006 by Novartis AG ("Novartis") and Novartis Pharma AG ("Novartis Pharma"), as amended by Amendment No. 2 to Schedule 13D filed on December 8, 2015 by Novartis and Novartis Pharma. According to the Schedule 13D, as amended, Novartis and Novartis Pharma have shared voting and dispositive power over all 4,708,679 shares.
- (6) Information is based on a Schedule 13G filed by Discovery Capital Management, LLC and Robert K. Citrone on February 16, 2016, and is as of December 31, 2015. According to the Schedule 13G, Discovery Capital Management, LLC and Robert K. Citrone have shared voting and dispositive power over all 4,501,915 shares.
- (7) Information is based on a Schedule 13G filed by Invesco, Ltd. on February 11, 2016 and is as of December 31, 2015. According to the Schedule 13G, Invesco Ltd. has sole voting and dispositive power over all 3,762,228 shares.
- (8) Consists of 10,000 shares of common stock owned directly by Mr. Downey and 123,750 shares of common stock underlying options held by Mr. Downey exercisable on or before June 14, 2016.
- (9) Consists of 9,000 shares of common stock owned directly by Ms. Fanucci and 176,350 shares of common stock underlying options held by Ms. Fanucci exercisable on or before June 14, 2016.
- (10) Consists entirely of 4,000 shares of common stock owned directly by Mr. Gemayel.
- (11) Consists entirely of shares of common stock underlying options held by Dr. Koestler exercisable on or before June 14, 2016.
- (12) Consists of 10,834 shares of common stock owned directly by Dr. Shapiro and 161,350 shares of common stock underlying options held by Dr. Shapiro exercisable on or before June 14, 2016.
- (13) Consists of 13,240 shares of common stock owned directly by Dr. Stoner and 132,950 shares of common stock underlying options held by Dr. Stoner exercisable on or before June 14, 2016.
- (14) Consists of 15,000 shares of common stock owned directly by Mr. Sulat and 133,750 shares of common stock underlying options held by Mr. Sulat exercisable on or before June 14, 2016.
- (15) Consists of 727,938 shares of common stock, of which 389,250 shares remain subject to a repurchase right by us pursuant to restricted stock agreements between us and Mr. Wheeler, and 854,708 shares of common stock underlying options exercisable on or before June 14, 2016.

- (16) Consists of 140,278 shares of common stock, of which 47,639 shares remain subject to a repurchase right by us pursuant to restricted stock agreements between us and Mr. Shea, and 195,836 shares of common stock underlying options exercisable on or before June 14, 2016.

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- (17) Consists of 191,188 shares of common stock, of which 126,638 shares remain subject to a repurchase right by us pursuant to restricted stock agreements between us and Mr. Leicher, and 134,251 shares of common stock underlying options exercisable on or before June 14, 2016.
- (18) Consists of 463,368 shares of common stock, of which 129,368 shares remain subject to a repurchase right by us pursuant to a restricted stock agreement between us and Dr. Kaundinya, and 203,020 shares of common stock underlying options exercisable on or before June 14, 2016.
- (19) Consists of 164,861 shares of common stock, of which 128,327 shares remain subject to a repurchase right by us pursuant to a restricted stock agreement between us and Dr. Roach, and 200,388 shares of common stock underlying options exercisable on or before June 14, 2016.
- (20) Consists of an aggregate of 1,991,793 shares of common stock, of which 1,022,376 shares remain subject to a repurchase right by us pursuant to restricted stock agreements, and 2,462,750 shares of common stock underlying options exercisable on or before June 14, 2016.

**Section 16(a) Beneficial Ownership Reporting Compliance**

Section 16(a) of the Exchange Act requires our directors, executive officers and the holders of more than 10% of our common stock to file with the Securities and Exchange Commission initial reports of ownership of our common stock and other equity securities on a Form 3 and reports of changes in such ownership on a Form 4 or Form 5. Officers, directors and 10% stockholders are required by Securities and Exchange Commission regulations to furnish us with copies of all Section 16(a) forms they file. Based solely on our review of copies of Section 16(a) reports furnished to us and representations made to us, we believe that during 2015 our officers, directors and holders of more than 10% of our common stock complied with all Section 16(a) filing requirements, except that (i) one Form 4 (reporting two transactions) for Michael Franken was reported late, and (ii) each of the following officers reported one late transaction, respectively, on a Form 4: John E. Bishop, Bruce Leicher, James M. Roach, Richard P. Shea, Ganesh V. Kaundinya, and Craig A. Wheeler.



Table of Contents**EQUITY COMPENSATION PLAN INFORMATION**

The following table provides information about the securities authorized for issuance under our equity compensation plans as of December 31, 2015:

<b>Plan Category</b>	<b>Number of securities to be issued upon exercise of outstanding options (a)(#)</b>	<b>Weighted-average exercise price of outstanding options (b)(\$)</b>	<b>Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column(a)) (c)(#)</b>
Equity compensation plans approved by security holders(1)(2)(3)	6,611,021	14.54	4,935,825(4)
Equity compensation plans not approved by security holders			
<b>Total</b>	<b>6,611,021</b>	<b>14.54</b>	<b>4,935,825(4)</b>

- 
- (1) Includes information regarding the following equity compensation plans: 2013 Incentive Award Plan, as amended, 2004 Stock Incentive Plan, as amended and the 2004 Employee Stock Purchase Plan. As of December 31, 2015, there were 761,000 shares of restricted stock outstanding under the 2013 Incentive Award Plan and the 2004 Stock Incentive Plan.
- (2) Upon the approval of our amended 2004 Stock Incentive Plan, we have not granted further stock options under the Amended and Restated 2002 Stock Incentive Plan.
- (3) Upon the approval of the 2013 Incentive Award Plan, we have not granted further stock options under our amended 2004 Stock Incentive Plan.
- (4) Includes 387,178 shares available under the 2004 Employee Stock Purchase Plan. As of December 31, 2015, there were 52,116 shares of common stock subject to purchase under such plan.

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**CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS**

**Policies and Procedures for Related Person Transactions**

Our board of directors has adopted written policies and procedures for the review of any transaction, arrangement or relationship in which we are a participant, the amount involved exceeds \$120,000, and one of our executive officers, directors, director nominees or 5% stockholders (or their immediate family members), each of whom we refer to as a "related person," has a direct or indirect material interest.

If a related person proposes to enter into such a transaction, arrangement or relationship, which we refer to as a "related person transaction," the related person must report the proposed related person transaction to our General Counsel. The policy calls for the proposed related person transaction to be reviewed and, if deemed appropriate, approved by our audit committee. Whenever practicable, the reporting, review and approval will occur prior to entry into the transaction. If advance review and approval is not practicable, the audit committee will review, and, in its discretion, may ratify the related person transaction. The policy also permits the chairman of the audit committee to review and, if deemed appropriate, approve proposed related person transactions that arise between committee meetings, subject to ratification by the audit committee at its next meeting. Any related person transactions that are ongoing in nature will be reviewed annually.

A related person transaction reviewed under the policy will be considered approved or ratified if it is authorized by the audit committee after full disclosure of the related person's interest in the transaction. As appropriate for the circumstances, the audit committee will review and consider:

the related person's interest in the related person transaction;

the approximate dollar value of the amount involved in the related person transaction;

the approximate dollar value of the amount of the related person's interest in the transaction without regard to the amount of any profit or loss;

whether the transaction was undertaken in the ordinary course of our business;

whether the terms of the transaction are no less favorable to us than terms that could have been reached with an unrelated third party;

the purpose of, and the potential benefits to us of, the transaction; and

any other information regarding the related person transaction or the related person in the context of the proposed transaction that would be material to investors in light of the circumstances of the particular transaction.

Our audit committee may approve or ratify the transaction only if the audit committee determines that, under all of the circumstances, the transaction is in our best interests. Our audit committee may impose any conditions on the related person transaction that it deems appropriate.

In addition to the transactions that are excluded by the instructions to the Securities and Exchange Commission's related person transaction disclosure rule, our board of directors has determined that the following transactions, among others, do not create a material direct or indirect interest on behalf of related persons and, therefore, are not related person transactions for purposes of this policy:

interests arising solely from the related person's position as an executive officer of another entity (whether or not the person is also a director of such entity), that is a participant in the transaction, where (a) the related person and all other related persons own in the aggregate less than a 10% equity interest in such entity, (b) the related person and his or her immediate family members are not involved in the negotiation of the terms of the transaction and do not receive any special benefits as

a result of the transaction, and (c) the amount involved in the transaction

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equals less than the greater of \$200,000 or 5% of the annual gross revenues of the company receiving payment under the transaction; and

a transaction that is specifically contemplated by provisions of our charter or bylaws.

The policy provides that transactions involving compensation of executive officers shall be reviewed and approved by our compensation committee in the manner specified in its charter.

We will disclose the terms of related person transactions in our filings with the Securities and Exchange Commission to the extent required. Since January 1, 2015, we have not been a party to, and we have no plans to be a party to, any transaction or series of similar transactions in which the amount involved exceeded or will exceed \$120,000 and in which any executive officer, director, director nominee, holder of more than 5% of our capital stock, or any member of the immediate family of any of the foregoing, had or will have a direct or indirect material interest.

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**PROPOSAL TWO**  
**RATIFICATION OF APPOINTMENT OF INDEPENDENT REGISTERED**  
**PUBLIC ACCOUNTING FIRM**

The audit committee of our board of directors has selected the firm of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2016. Although stockholder ratification of the appointment of Ernst & Young LLP is not required by law, our board of directors believes that it is advisable to give stockholders an opportunity to ratify this appointment. If this proposal is not approved at the Annual Meeting, our audit committee will reconsider its appointment of Ernst & Young LLP. Representatives of Ernst & Young LLP are expected to be present at the Annual Meeting and will have the opportunity to make a statement, if they desire to do so, and will be available to respond to appropriate questions from our stockholders.

**Board Recommendation**

**The board of directors recommends a vote FOR the ratification of the appointment by the Audit Committee of Ernst & Young LLP as our independent registered public accounting firm for the year ending December 31, 2016.**

**Auditors' Fees**

The following table summarizes the fees of Ernst & Young LLP, our independent registered public accounting firm, billed to us for each of the last two fiscal years.

<b>Fee Category</b>	<b>2015</b>	<b>2014</b>
Audit Fees(1)	\$ 635,325	\$ 534,758
Audit-Related Fees(2)	1,990	16,985
Tax Fees(3)	96,763	155,189
All Other Fees		
<b>Total Fees</b>	<b>\$ 734,078</b>	<b>\$ 706,932</b>

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- (1) Audit fees consist of fees for the audit of our financial statements, the audit of our internal control over financial reporting, the review of the interim financial statements included in our quarterly reports on Form 10-Q, and other professional services provided in connection with regulatory filings or engagements. Total audit fees for 2015 increased from 2014 primarily due to increase of integrated audit service fees of \$65,000.
- (2) Audit-related fees consist of fees for assurance and related services that are reasonably related to the performance of the audit and the review of our financial statements and which are not reported under "Audit Fees."
- (3) Tax fees consist of fees for tax compliance, tax advice and tax planning services. All of the tax fees were pre-approved by the audit committee in accordance with the pre-approval policies and procedures described below. Tax compliance services in 2015 and 2014 include fees for federal and state tax return assistance of \$69,000 and \$20,000, respectively and fees related to a research credit study of \$120,000 in 2014. Tax advice and tax planning services relate to periodic consultations.

**Pre-Approval Policies and Procedures**

Our audit committee has adopted policies and procedures relating to the approval of all audit and non-audit services that are to be performed by our independent registered public accounting firm. This policy generally provides that we will not engage our independent registered public accounting firm to



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render audit or non-audit services unless the service is specifically approved in advance by our audit committee or the engagement is entered into pursuant to one of the pre-approval procedures described below.

From time to time, our audit committee may pre-approve specified types of services that are expected to be provided to us by our independent registered public accounting firm during the next 12 months. Any such pre-approval is detailed as to the particular service or type of services to be provided and is also generally subject to a maximum dollar amount. During 2015, no services were provided to us by Ernst & Young LLP other than in accordance with the pre-approval policies and procedures described above.

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**PROPOSAL THREE**  
**ADVISORY VOTE ON EXECUTIVE COMPENSATION**

The Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010, or the Dodd-Frank Act, enables our stockholders to vote to approve, on a non-binding advisory basis, the compensation of our Named Executives as disclosed in this proxy statement in accordance with applicable SEC rules. This vote, commonly known as a "say-on-pay" proposal, provides stockholders with the opportunity to express their views on our Named Executives' compensation and is required by Section 14A of the Exchange Act. The vote is not intended to address any specific item of our executive compensation, but rather the overall compensation of our Named Executives and the philosophy, policies and practices described in this proxy statement. We have determined to hold a non-binding, advisory vote on the compensation of our Named Executives annually. The next such non-binding, advisory vote will occur at the 2016 Annual Meeting of Stockholders.

As described in the section of this proxy statement entitled "Executive Compensation," including "Compensation Discussion and Analysis" and related compensation tables, our executive compensation program is designed to attract, retain, and motivate talented individuals with the executive experience and leadership skills necessary for us to increase stockholder value. We seek to provide executive compensation that is competitive with companies that are similar to us. We also seek to provide near-term and long-term financial incentives that reward executives when strategic corporate objectives designed to increase long-term stockholder value are achieved. We believe that executive compensation should include base salary, cash incentives and equity awards. We also believe that our executive officers' base salaries should be set at approximately median levels relative to comparable companies, and cash and equity incentives should generally be set at levels that give executives the opportunity to achieve above-average total compensation reflecting above-average company performance. In particular, our executive compensation philosophy is to promote long-term value creation for our stockholders by rewarding improvement in selected financial metrics, and by using equity incentives.

Our board of directors is asking stockholders to vote to approve, on a non-binding advisory basis, the compensation paid to our Named Executives, as disclosed pursuant to the compensation disclosure rules of the Securities and Exchange Commission, including the Compensation Discussion and Analysis, the compensation tables and any related material disclosed in this proxy statement.

The say-on-pay vote is advisory, and therefore not binding on us, our board of directors, or the compensation committee of the board of directors. However, our board of directors and compensation committee value the opinions of our stockholders and to the extent there is any significant vote against the Named Executive compensation as disclosed in this proxy statement, we will consider our stockholders' concerns and the compensation committee will evaluate whether any actions are necessary to address those concerns.

**Board Recommendation**

**The board of directors recommends a vote FOR the approval of the compensation of our Named Executives as disclosed in this proxy statement.**



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**PROPOSAL FOUR**  
**APPROVAL OF AMENDMENT AND RESTATEMENT OF MOMENTA PHARMACEUTICALS, INC.**  
**2013 INCENTIVE AWARD PLAN**

**Overview**

In this proposal, we are requesting stockholders approve the amendment and restatement of the Momenta Pharmaceuticals, Inc. 2013 Incentive Award Plan, or the 2013 Plan, to increase the number of shares of common stock available for issuance under the 2013 Plan by 4,250,000 shares. The board of directors approved the amendment and restatement of the 2013 Plan on April 15, 2016, subject to and effective upon stockholder approval. The 2013 Plan, as amended and restated if this proposal is approved, is described in more detail below. If this proposal is not approved by our stockholders, the amendment and restatement of the 2013 Plan will not become effective, but the 2013 Plan will remain in effect in accordance with its present terms.

**Board Recommendation**

**The board of directors recommends a vote FOR the approval of the amendment and restatement of the Momenta Pharmaceuticals, Inc. 2013 Incentive Award Plan.**

**Stockholder Approval Requirement**

In general, stockholder approval of the amendment and restatement of the 2013 Plan will increase the number of shares available for issuance under the 2013 Plan while (1) complying with the terms of the 2013 Plan as currently in effect regarding amendments, (2) meeting the stockholder approval requirements of the principal securities market on which shares of our common stock are traded, (3) preserving our ability to grant stock options under the 2013 Plan that are intended to qualify as incentive stock options, or ISOs, as defined under Section 422 of the Code, and (4) extending the term of the 2013 Plan until April 15, 2026.

**Amendment and Restatement of the 2013 Plan**

On April 15, 2016, the board of directors approved an amendment and restatement of the 2013 Plan to increase the shares of common stock available for grant under the 2013 Plan by 4,250,000 shares, subject to and effective upon approval of the amendment and restatement by our stockholders. The purpose of the amendment and restatement is to permit the Company to continue using the 2013 Plan to achieve the Company's performance, recruiting, retention and incentive goals.

We believe that continued use of the 2013 Plan is essential to our success. Equity awards are intended to motivate high levels of performance, align the interests of our directors, employees and consultants with those of our stockholders by giving directors, employees and consultants the perspective of an owner with an equity stake in the Company and providing a means of recognizing their contributions to the success of the Company. The board of directors and management believe that equity awards are necessary to remain competitive in our industry and are essential to recruiting and retaining the highly qualified employees who help the Company meet its goals.

The total number of shares reserved for issuance under the 2013 Plan before giving effect to the amendment and restatement equals the sum of: (a) 7,650,000, (b) one share for each share subject to a stock option that was granted through December 31, 2012 under our 2004 Stock Incentive Plan or our Amended and Restated 2002 Stock Incentive Plan, which we refer to together as the Prior Plans, that subsequently expires, is forfeited or is settled in cash (up to a maximum of 4,337,882 shares) and (c) (i) 1.35 shares for each share subject to an award other than a stock option that was granted through December 31, 2012 under the Prior Plans and that subsequently expired, was forfeited, was settled in cash or repurchased, in each case, prior to June 9, 2015 and (ii) 1.67 shares for each share

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subject to an award other than a stock option that was granted through December 31, 2012 under the Prior Plans and that subsequently expires, is forfeited, is settled in cash or repurchased, in each case, on or after June 9, 2015 (up to a maximum of 950,954 shares). Set forth below is the number of shares available for issuance pursuant to outstanding equity awards under the 2013 Plan and the Prior Plans and future equity awards under the 2013 Plan as of April 18, 2016:

Shares subject to outstanding stock option awards(1)	7,377,045
Shares subject to outstanding stock awards(2)	2,096,152
Shares available for issuance under future awards	1,702,087

- (1) As of April 18, 2016, options outstanding under the 2013 Plan had a weighted average exercise price of \$13.92 and a weighted average remaining life of 2.64 years. The market value of all shares underlying options outstanding under the 2013 Plan as of April 18, 2016, was \$71,483,566, based on our closing price per share on the NASDAQ Global Market on that date.
- (2) Represents shares subject to unvested awards of restricted stock and restricted stock units. As of April 18, 2016, unvested restricted stock and restricted stock unit awards outstanding under the 2013 Plan had a weighted average remaining vesting term of 2.53 years. The market value of all shares underlying unvested restricted stock and restricted stock unit awards outstanding under the 2013 Plan as of April 18, 2016 was \$20,311,713, based on our closing price per share on the NASDAQ Global Market on that date.

For additional information regarding equity awards outstanding and available for future grants as of December 31, 2015, see "Equity Compensation Plan Information."

If this proposal is approved, an additional 4,250,000 shares will become available for issuance under the 2013 Plan. If the amendment and restatement is not approved, the 2013 Plan will remain in effect in accordance with its present terms.

**Determination of Additional Shares Under the 2013 Plan**

In determining to recommend the amendment and restatement of the 2013 Plan to the board of directors for approval, the compensation committee reviewed an analysis prepared by Radford, the committee's independent compensation consultant. Specifically, the compensation committee considered that:

We have projected up to a 30% increase in the number of employees in 2016 and up to a 15% increase in the number of employees in 2017. We also expect to continue to have to replace departing employees as employee turnover rates in the biotechnology industry remain high. Accordingly, we are planning for an increase in new hire equity grants in 2016 and 2017 and an increase in annual equity grants in early 2017 and early 2018, with new hire grants traditionally being approximately 50% to 100% greater in value than annual grants.

If we do not increase the shares available for issuance under the 2013 Plan, we would expect to exhaust the available shares under the 2013 Plan by the beginning of 2018, at which time we would lose a critically important compensation tool. Given the increased company and industry-wide turnover, we believe it is important to have the ability, if appropriate, to make broad-based, performance-based long-term incentive equity awards to incentivize and retain talent. If our stockholders approve the amendment and restatement, we estimate that the shares reserved for issuance under the 2013 Plan, as amended and restated, would be sufficient for approximately one to two additional years of awards, depending on projected new employee growth and assuming we continue to grant awards consistent with our historical usage and current practices. However, the share reserve under the 2013 Plan, as amended and restated,

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could last for a longer or shorter period of time, depending on our future equity grant practices, which may vary from our current practices.

Our 2015 three-year average burn rate, based on the ISS methodology of calculation, of 3.5% was below the 2015 ISS burn rate limit of 6.77%.

If approved, the issuance of the additional 4,250,000 shares to be reserved under the 2013 Plan represents 5.7% of the number of shares of our common stock outstanding as of December 31, 2015.

In consideration of these factors, and our belief that the ability to continue granting equity compensation is vital to our attracting and retaining employees, we believe that the amendment and restatement of the 2013 Plan and the size of the share reserve under the 2013 Plan after giving effect to the amendment and restatement are reasonable, appropriate and in the best interests of the Company at this time.

**Benefits of the 2013 Plan**

We depend on the performance and commitment of our employees to succeed. The use of equity-based long-term incentives assists us in attracting, retaining, motivating and rewarding talented employees. Providing equity grants creates long-term participation in the Company and aligns the interests of our employees with the interests of our stockholders. The use of equity awards as compensation also allows the Company to conserve cash resources for other important purposes.

The 2013 Plan provides the compensation committee with the flexibility to effectively use the shares under the 2013 Plan to provide incentives to our personnel. The 2013 Plan contains provisions we believe are consistent with best practices in equity compensation and which we believe further protect our stockholders' interests, including:

*No Increase to Shares Available for Issuance without Stockholder Approval.* Without stockholder approval, the 2013 Plan prohibits any alteration or amendment that operates to increase the total number of shares of common stock that may be issued under the 2013 Plan (other than adjustments in connection with certain corporate reorganizations and other events).

*Use of a Fungible Ratio.* Shares that are subject to awards other than options or stock appreciation rights count against the aggregate number of shares available for issuance under the 2013 Plan as 1.67 shares for every one share granted.

*Minimum Vesting Requirement.* Awards granted under the 2013 Plan are generally subject to a minimum one year vesting requirement.

*No Single-Trigger Vesting of Awards.* The 2013 Plan does not have a single-trigger accelerated vesting provision for changes in control.

*No Repricing of Awards.* Awards may not be repriced, replaced or regranted through cancellation or modification without stockholder approval if the effect would be to reduce the exercise price for the shares under the award.

*Limitations on Dividend Payments on Performance Awards.* Dividends and dividend equivalents may not be paid on awards subject to performance vesting conditions unless and until such conditions are met.

*Limitations on Grants.* The maximum number of shares of our common stock that may be subject to one or more awards granted to any participant, other than a non-employee director, pursuant to the 2013 Plan during any calendar year is 1,000,000. However, this number may be adjusted to take into account equity restructurings and certain other corporate transactions as described below. The maximum amount that may be paid in cash to any participant during any



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calendar year pursuant to awards granted under the 2013 Plan that are initially payable in cash is \$5,000,000. The maximum number of shares of our common stock that may be subject to one or more awards granted to any non-employee director pursuant to the 2013 Plan during any calendar year is 100,000 shares.

*Section 162(m) Qualification.* The 2013 Plan is designed to allow awards made under the 2013 Plan, including equity awards and incentive cash bonuses, to qualify as performance-based compensation under Section 162(m) of the Code. Awards granted under the 2013 Plan will be treated as qualified performance-based compensation under Section 162(m) of the Code only if the awards and the procedures associated with them comply with all requirements of Section 162(m) of the Code.

**Summary of the Amended and Restated 2013 Plan**

This section summarizes certain principal features of the 2013 Plan, as amended and restated subject to stockholder approval. The summary is qualified in its entirety by reference to the complete text of the amended and restated 2013 Plan. Stockholders are urged to read the actual text of the amended and restated 2013 Plan in its entirety which is set forth in **Exhibit A** to this proxy statement.

*Purpose.* The purpose of the 2013 Plan is to promote the success and enhance the value of the Company by linking the individual interests of the members of the board of directors, employees, and consultants to those of Company stockholders and by providing such individuals with an incentive for outstanding performance to generate superior returns to Company stockholders. The 2013 Plan is further intended to provide flexibility to the Company in its ability to motivate, attract and retain the services of members of the board of directors, employees, and consultants upon whose judgment, interest, and special effort the successful conduct of the Company's operation is largely dependent.

*Share Reserve.* If the amendment and restatement of the 2013 Plan is approved, the number of shares of Company common stock reserved for issuance under the 2013 Plan will be equal to the sum of: (a) 11,900,000 shares reserved for issuance under the 2013 Plan, plus (b) one share for each share subject to a stock option that was granted through December 31, 2012 under the Prior Plans, that subsequently expires, is forfeited or is settled in cash (up to a maximum of 4,337,882 shares), plus (c) (i) 1.35 shares for each share subject to an award other than a stock option that was granted through December 31, 2012 under the Prior Plans and that subsequently expired, was forfeited, was settled in cash or repurchased, in each case, prior to June 9, 2015 and (ii) 1.67 shares for each share subject to an award other than a stock option that was granted through December 31, 2012 under the Prior Plans and that subsequently expires, is forfeited, is settled in cash or repurchased, in each case, on or after June 9, 2015 (up to a maximum of 950,954 shares), as provided below.

*Share Counting.* Each share issued in connection with an award granted on or after June 9, 2015 other than stock options and stock appreciation rights will be counted against the 2013 Plan's share reserve as 1.67 shares for every one share issued in connection with such award, while each share issued in connection with an award of stock options or stock appreciation rights will count against the share reserve as one share for every one share granted. The payment of dividend equivalents in cash in conjunction with an outstanding award will not be counted against the number of shares available for issuance under the 2013 Plan.

If (1) any award under the 2013 Plan is forfeited or expires or is settled in cash (in whole or in part) or (2) any award granted under the Prior Plans on or prior to December 31, 2012 is forfeited or expires or is settled for cash (in whole or in part), the shares subject to such award shall, to the extent of such forfeiture, expiration or cash settlement, be used for new grants under the 2013 Plan. In addition, any shares repurchased by us at the same or lower price paid by the participant so that such shares are returned to the Company may be used again for new grants under the 2013 Plan. Any shares

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that become available for grant pursuant to the foregoing will be added back as (1) one share for each share subject to a stock option or stock appreciation right and (2) (a) 1.35 shares for each share subject to an award other than an option or stock appreciation right granted under the 2013 Plan prior to June 9, 2015 or granted under a Prior Plan and forfeited, expired or settled in cash prior to June 9, 2015 and (b) 1.67 shares for each share subject to an award other than an option or stock appreciation right granted under the 2013 Plan on or after June 9, 2015 or granted under a Prior Plan and forfeited, expired or settled in cash on or after June 9, 2015.

Notwithstanding the foregoing, the following shares will not be added to the shares authorized for grant under the 2013 Plan: (1) any shares tendered or withheld to satisfy the exercise price of an option, (2) any shares tendered or withheld to satisfy any tax withholding obligation with respect to an award, (3) any shares subject to a stock appreciation right that are not issued in connection with the stock settlement of the stock appreciation right on its exercise, and (4) any shares purchased on the open market with the cash proceeds from the exercise of options.

To the extent permitted by applicable law or any exchange rule, and subject to certain other restrictions, shares issued in assumption of, or in substitution for, any outstanding awards or shares available under a pre-existing plan of an entity acquired by the Company or any of its subsidiaries that was approved by stockholders and not adopted in contemplation of such acquisition will not be counted against the shares available for grant under the 2013 Plan.

*Administration.* The 2013 Plan is administered, with respect to grants to officers, employees, directors and consultants, by the 2013 Plan administrator, or the Administrator, defined as the board of directors or one or more committees designated by the board of directors. The compensation committee currently acts as the Administrator. With respect to grants to officers and directors, the compensation committee will be constituted in a manner intended to satisfy applicable laws, including Rule 16b-3 promulgated under the Exchange Act, and with respect to awards intended to be qualified performance-based compensation, Section 162(m) of the Code.

The Administrator has the authority, in its discretion, to select employees, consultants and directors to whom awards may be granted from time to time, to determine whether and to what extent awards are granted, to determine the number of shares or the amount of other consideration to be covered by each award (subject to the limitations set forth below), to approve award agreements for use under the 2013 Plan, to determine the terms and conditions of any award (including the vesting schedule applicable to the award), to amend the terms of any outstanding award granted under the 2013 Plan (subject to the limitations described above), to construe and interpret the terms of the 2013 Plan and awards granted, to establish additional terms, conditions, rules or procedures to accommodate the rules or laws of applicable non-U.S. jurisdictions, and to take such other action not inconsistent with the terms of the 2013 Plan, as the Administrator deems appropriate.

*Eligibility.* Any person who is an employee, a consultant or a non-employee director, as determined by the Administrator, is eligible for an award under the 2013 Plan. The Administrator determines the type and size of award and sets the terms, conditions, restrictions and limitations applicable to the award within the confines of the 2013 Plan's terms. As of March 31, 2016, approximately 270 employees and 8 non-employee directors and 15 consultants were eligible to receive awards under the 2013 Plan; however, this number is subject to change as the number of individuals in our businesses is adjusted to meet our operational requirements. Although the 2013 Plan permits the Administrator to make grants to consultants of the company, the company as a general practice has not in the past granted awards from the 2013 Plan to consultants.

*Award Limits.* The maximum aggregate number of shares with respect to one or more awards that may be granted to any one person other than a non-employee director during any calendar year shall be 1,000,000, the maximum aggregate number of shares with respect to one or more awards that

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may be granted to a non-employee director during any calendar year shall be 100,000 and the maximum aggregate amount of cash that may be paid in cash to any one person during any calendar year with respect to one or more awards initially payable in cash shall be \$5,000,000.

*No Repricings or Exchanges without Stockholder Approval.* The 2013 Plan requires the Company to obtain stockholder approval prior to (a) reducing the exercise price of any stock option or the base appreciation amount of any stock appreciation right awarded under the 2013 Plan or (b) cancelling a stock option or stock appreciation right at a time when its exercise price or base appreciation amount exceeds the fair market value of the underlying shares in exchange for cash or another stock option, stock appreciation right, restricted stock or other award (unless the cancellation and exchange occurs in connection with a corporate transaction).

*Terms and Conditions of Awards.* The 2013 Plan includes a variety of forms of awards, including stock options, stock appreciation rights, restricted stock, restricted stock units and dividend equivalents to allow the Company to adapt its incentive compensation program to meet the needs of the Company in the changing business environment in which the Company operates. Each award granted under the 2013 Plan is designated in an award agreement. Under the 2013 Plan, the Administrator may establish one or more programs to permit selected participants the opportunity to elect to defer receipt of consideration payable under an award. The Administrator also may establish under the 2013 Plan separate programs for the grant of particular forms of awards to one or more classes of participants.

*Stock Options.* Stock options granted under the 2013 Plan may be either incentive stock options under the provisions of Section 422 of the Code or non-qualified stock options. Incentive stock options may be granted only to employees. The option exercise price of all stock options granted pursuant to the 2013 Plan will not be less than 100% of the fair market value of our common stock on the date of grant. Incentive stock options granted to any person who owns, as of the date of grant, stock possessing more than ten percent of the total combined voting power of all classes of our stock or any subsidiary corporation or parent corporation (each, as defined in Section 424 of the Code), however, shall have an exercise price that is not less than 110% of the fair market value of our common stock on the date of grant and may not have a term extending beyond the fifth anniversary of the date of grant. To the extent that the aggregate fair market value of the shares subject to stock options designated as incentive stock options which become exercisable for the first time by a participant during any calendar year exceeds \$100,000, such excess stock options shall be treated as non-qualified stock options. Options may be granted subject to vesting schedules and restrictions on transfer and repurchase or forfeiture rights in favor of the Company as specified in the award agreements to be issued under the 2013 Plan. The Administrator will determine when an option will vest and become exercisable, though no option will be exercisable more than ten years after the date of grant.

*Stock Appreciation Rights.* A stock appreciation right entitles its holder, upon exercise of all or a portion of the stock appreciation right, to receive from us an amount determined by multiplying the difference obtained by subtracting the exercise or base price per share of the stock appreciation right from the fair market value at the time of exercise of the stock appreciation right by the number of shares with respect to which the stock appreciation right has been exercised, subject to any limitations imposed by the Administrator. The exercise or base price per share subject to a stock appreciation right will be set by the Administrator, but may not be less than 100% of the fair market value on the date the stock appreciation right is granted. The Administrator determines the period during which the right to exercise the stock appreciation right vests in the holder, but in no event may a stock appreciation right have a term extending beyond the tenth anniversary of the date of grant. Payment pursuant to the stock appreciation right awards may be in cash, shares, or a combination of both, as determined by the Administrator. Generally, a stock appreciation right may be exercised only while such person remains an employee or non-employee director of us or one of our subsidiaries or affiliates or for a specified

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period of time (up to the remainder of the award term) following the holder's termination of service with us or one of our subsidiaries or affiliates.

*Restricted Stock.* A restricted stock award is the grant of shares of common stock subject to certain restrictions (including restrictions on transfer, vesting and voting rights) and may be subject to a substantial risk of forfeiture until specific conditions are met. The Administrator will determine the purchase price, if any, for restricted stock, as well as any terms, conditions and restrictions applicable to the award. Unless otherwise determined by the Administrator, holders of restricted stock shall have the right to receive dividends and distributions paid with respect to their shares, except that certain extraordinary distributions will be restricted unless the Administrator determines otherwise. In addition, for shares of restricted stock with performance-based vesting, dividends paid prior to vesting will only be paid to the extent that the performance-based vesting conditions are subsequently satisfied and the share vests. During the period of restriction, participants holding shares of restricted stock may have full voting rights with respect to such shares. Except as otherwise determined by the Administrator, upon termination of service during the restriction period, holders of restricted stock for which a price was not paid must return the unvested restricted stock to the Company. If the holder paid for the restricted stock, the Company has the right to repurchase the unvested restricted stock at a price equal to what the holder paid, or other price as set forth in the award agreement.

*Restricted Stock Units.* A restricted stock unit award provides for the issuance of our common stock at a future date upon the satisfaction of specific conditions set forth in the applicable award agreement. The Administrator will specify the dates on which the restricted stock units will become fully vested and nonforfeitable, and may specify such conditions to vesting as it deems appropriate, including conditions based on achieving one or more of the performance criteria listed below, or other specific criteria, including service to us or any of our subsidiaries or affiliates. Restricted stock units generally will be forfeited, and the underlying shares of our common stock will not be issued, if the applicable vesting conditions are not met. The Administrator will specify, or permit the restricted stock unit holder to elect, the conditions and dates upon which the shares underlying the vested restricted stock units will be issued (subject to compliance with the deferred compensation requirements of Section 409A of the Code). Restricted stock units may be paid in cash, shares, or both, as determined by the Administrator. Restricted stock units may constitute, or provide for a deferral of, compensation subject to Section 409A of the Code, and there may be certain tax consequences if the requirements of Section 409A of the Code are not met.

*Stock Payments.* A stock payment is a payment in the form of shares of our common stock or an option or other right to purchase shares of our common stock. The number or value of shares of any stock payment will be determined by the Administrator and may be based on continuing service with us or any of our subsidiaries or affiliates or achieving one or more of the performance criteria listed below, or other specific criteria determined by the Administrator. Shares underlying a stock payment that is subject to a vesting schedule or other conditions or criteria set by the Administrator will not be issued until those conditions have been satisfied. Stock payments may, but are not required to, be made in lieu of base salary, bonus, fees or other cash compensation otherwise payable to any individual who is eligible to receive awards under the 2013 Plan.

*Performance Awards.* Performance awards may be granted in the form of cash awards, stock awards or other performance or incentive awards that are paid in cash, shares or a combination of cash and shares. The value of performance awards may be linked to any one or more of the performance criteria listed below, or other specific criteria determined by the Administrator, in each case on a specified date or dates or over any period or periods determined by the Administrator. Performance awards may be payable upon the attainment of pre-established performance goals based on one or more of the performance criteria listed below under "*Performance-Based Compensation under Section 162(m) of the Code*," or other specific criteria determined by the Administrator. The goals are



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established and evaluated by the Administrator and may relate to performance over any periods as determined by the Administrator. The Administrator will also determine whether performance awards are intended to be performance-based compensation within the meaning of Section 162(m) of the Code.

*Transferability of Awards.* Under the 2013 Plan, incentive stock options 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 grantee, only by the grantee. Other awards shall be transferable (i) by will and by the laws of descent and distribution and (ii) during the lifetime of the grantee, to the extent and in the manner authorized by the Administrator but only to the extent such transfers are made to family members, to family trusts, to family controlled entities and to charitable organizations, in all cases without payment for such transfers to the grantee. Notwithstanding the foregoing, the grantee may designate one or more beneficiaries of the grantee's award in the event of the grantee's death on a beneficiary designation form provided by the Administrator.

*Payment Methods.* The Administrator determines the methods by which payments by any award holder with respect to any awards granted under the 2013 Plan may be paid and the form of such payment, including, without limitation: (1) cash or check; (2) shares of our common stock issuable pursuant to the award or held for such period of time as may be required by the Administrator in order to avoid adverse accounting consequences, in each case, having a fair market value on the date of delivery equal to the aggregate payments required; (3) delivery of a written or electronic notice that the award holder has placed a market sell order with a broker with respect to shares of our common stock then issuable upon exercise or vesting of an award, and that the broker has been directed to pay a sufficient portion of the net proceeds of the sale to us in satisfaction of the aggregate payments required (provided that payment of such proceeds is then made to us upon settlement of such sale); or (4) any other form of legal consideration acceptable to the Administrator. However, no participant who is a member of the board of directors or an "executive officer" of the Company within the meaning of Section 13(k) of the Exchange Act will be permitted to make payment with respect to any awards granted under the 2013 Plan, or continue any extension of credit with respect to such payment in any method that would violate the prohibitions on loans made or arranged by us as set forth in Section 13(k) of the Exchange Act. Only whole shares of common stock may be purchased or issued pursuant to an award, and the Administrator will determine whether cash will be given in lieu of any fractional shares or whether fractional shares will be eliminated by rounding down.

*Tax Withholding.* The Company may require the eligible individual to discharge applicable withholding tax obligations with respect to any award granted under the 2013 Plan. The Administrator, in its discretion, may withhold, or allow the individual to elect to have the Company withhold, shares of common stock otherwise issuable under any award (or allow the surrender of shares of common stock) having a fair market value on the date of withholding equal to the sums required to be withheld by federal, state, local and foreign law. The Administrator will determine the fair market value of the stock applicable to the determination of withholding obligations due for broker-assisted cashless options or stock appreciation right exercises consistent with the applicable provisions of the Code.

*Performance-Based Compensation under Section 162(m) of the Code.* The Administrator will determine whether specific performance awards are intended to constitute "qualified performance-based compensation" within the meaning of Section 162(m) of the Code and will have the discretion to pay compensation that is not qualified performance-based compensation and that is not tax deductible. Under Section 162(m) of the Code, a "covered employee" is the Company's chief executive officer and the three (3) other most highly compensated officers of the Company other than the chief financial officer. Section 162(m) of the Code imposes a \$1 million cap on the compensation deduction that the Company may take in respect of compensation paid to covered employees; however, compensation that

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qualifies as qualified performance-based compensation is excluded from the calculation of the \$1 million cap. In order to constitute qualified performance-based compensation under Section 162(m) of the Code, in addition to certain other requirements, the relevant amounts must be payable only upon the attainment of pre-established, objective performance goals set by the Administrator and based on shareholder-approved performance criteria. The 2013 Plan includes the following performance criteria that may be considered by the compensation committee when granting performance-based awards: (i) net earnings (either before or after one or more of the following: (A) interest, (B) taxes, (C) depreciation and (D) amortization); (ii) gross or net sales or revenue; (iii) net income (either before or after taxes); (iv) adjusted net income; (v) operating earnings or profit; (vi) cash flow (including, but not limited to, operating cash flow and free cash flow); (vii) return on assets; (viii) return on capital; (ix) return on stockholders' equity; (x) total stockholder return; (xi) return on sales; (xii) gross or net profit or operating margin; (xiii) costs; (xiv) expenses; (xv) working capital; (xvi) earnings per share; (xvii) adjusted earnings per share; (xviii) price per share; (xix) regulatory body approval for commercialization of a product; (xx) implementation, completion or attainment of objectively determinable objectives relating to research, development, regulatory, commercial, or strategic milestones or developments; (xxi) market share; and (xxii) economic value. Any of the foregoing performance criteria may be measured with respect to us, or any subsidiary, division, business unit or individual, either in absolute terms or as compared to any incremental increase or decrease or as compared to results of a peer group or to market performance indicators or indices. The compensation committee will define in an objective fashion the manner of calculating the performance criteria it selects to use for such awards. With regard to a particular performance period, the compensation committee will have the discretion to select the length of the performance period, the type of performance-based awards to be granted, and the performance goals that will be used to measure the performance for the period.

Except as provided by the compensation committee at the time of grant, the achievement of each performance goal will be determined in accordance with U.S. GAAP, International Financial Reporting Standards, or such other accounting principles or standards as may apply to our financial statements under the U.S. federal securities laws from time to time, to the extent applicable. The compensation committee may provide that objectively determinable adjustments will be made for purposes of determining the achievement of one or more of the performance goals established for an award. Any such adjustments will be based on one or more of the following: (i) items related to a change in accounting principle; (ii) items relating to financing activities; (iii) expenses for restructuring or productivity initiatives; (iv) other non-operating items; (v) items related to acquisitions; (vi) items attributable to the business operations of any entity acquired by us during the performance period; (vii) items related to the disposal of a business or segment of a business; (viii) items related to discontinued operations that do not qualify as a segment of a business under applicable accounting standards; (ix) items attributable to any stock dividend, stock split, combination or exchange of shares occurring during the performance period; (x) any other items of significant income or expense which are determined to be appropriate adjustments; (xi) items relating to unusual or extraordinary corporate transactions, events or developments; (xii) items related to amortization of acquired intangible assets; (xiii) items that are outside the scope of our core, on-going business activities; (xiv) items related to acquired, in-process research and development; (xv) items relating to changes in tax laws; (xvi) items relating to major licensing or partnership arrangements; (xvii) items relating to asset impairment charges; (xviii) items relating to gains or losses for litigation, arbitration and contractual settlements; or (xvix) items relating to any other unusual or nonrecurring events or changes in applicable laws, accounting principles or business conditions.

*Forfeiture, Recoupment and Clawback Provisions.* Pursuant to its general authority to determine the terms and conditions applicable to awards under the 2013 Plan, the Administrator has the right to provide, in an award agreement or otherwise, that an award will be subject to the provisions of any recoupment or clawback policies implemented by the Company, including, without limitation, any

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recoupment or clawback policies adopted to comply with the requirements of the Dodd-Frank Wall Street Reform and Consumer Protection Act and any rules or regulations promulgated thereunder.

*Minimum Vesting Provision.* Awards made under the 2013 Plan (other than cash-settled awards) to our employees, directors or consultants shall not vest earlier than the date that is one year following the date the award is approved by the Administrator; provided, however, that, notwithstanding the foregoing, awards that result in an issuance of an aggregate of up to 5% of the shares of common stock available under the 2013 Plan may be granted to any one or more employees, directors or consultants without respect to such minimum vesting provision.

*Certain Adjustments.* If there is any stock dividend, stock split, combination or exchange of shares, merger, consolidation or other distribution (other than normal cash dividends) of our assets to stockholders, or any other change affecting the shares of our common stock or the share price of our common stock other than an equity restructuring (as defined in the 2013 Plan), the Administrator may make such equitable adjustments, if any, as the Administrator in its discretion may deem appropriate to reflect such change with respect to (1) the aggregate number and type of shares that may be issued under the 2013 Plan (including, but not limited to, adjustments of the number of shares available under the 2013 Plan and the maximum number and kind of shares that may be subject to one or more awards to a participant pursuant to the 2013 Plan during any fiscal year), (2) the number and kind of shares, or other securities or property, subject to outstanding awards, (3) the terms and conditions of any outstanding awards (including, without limitation, any applicable performance targets or criteria with respect thereto), and (4) the grant or exercise price per share for any outstanding awards under the 2013 Plan. If there is any equity restructuring, (1) the number and type of securities subject to each outstanding award and the grant or exercise price per share for each outstanding award, if applicable, will be proportionately adjusted, and (2) the Administrator will make proportionate adjustments to reflect such equity restructuring with respect to the aggregate number and type of shares that may be issued under the 2013 Plan (including, but not limited to, adjustments of the number of shares available under the 2013 Plan and the maximum number and kind of shares that may be subject to one or more awards to a participant pursuant to the 2013 Plan during any fiscal year). Unless determined otherwise by the Administrator, any adjustment affecting an award intended to qualify as performance-based compensation will be made in a manner intended to be consistent with the requirements of Section 162(m) of the Code and the regulations thereunder. The Administrator also has the authority under the 2013 Plan to take certain other actions with respect to outstanding awards in the event of a corporate transaction, including provision for the cash-out, termination, assumption or substitution of such awards.

*Change in Control.* In the event of a change in control of the Company, outstanding awards will continue in effect or may be either assumed or substituted by the successor corporation or its affiliate. If the successor corporation refuses such assumption or substitution, the Administrator may cause any outstanding awards to become fully exercisable immediately prior to the consummation of the transaction and all forfeiture restrictions on any or all of such awards to lapse. If an award is exercisable in lieu of assumption or substitution in the event of a change in control, the Administrator will notify the holder of the award that the award will be fully exercisable for a period of fifteen days from the date of such notice, contingent upon the occurrence of the change in control, and the award will terminate upon the expiration of such period.

*Amendment, Suspension or Termination of the 2013 Plan.* The board of directors or the compensation committee may at any time amend, suspend or terminate the 2013 Plan. However, without approval of the Company's stockholders given within twelve (12) months before or after the action by the Administrator, no action of the Administrator may (a) increase the limits imposed in Section 3.1 on the maximum number of shares which may be issued under the 2013 Plan (except as part of an adjustment for a corporate event), (b) reduce the price per share of any outstanding option

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or stock appreciation right granted under the 2013 Plan or (c) cancel any option or stock appreciation right in exchange for cash or another award when the option or stock appreciation right price per share exceeds the fair market value of the underlying shares. Except as required by Section 409A or the applicable forfeiture or clawback provision, no amendment, suspension or termination of the 2013 Plan shall, without the consent of the holder, impair any rights or obligations under any award granted or awarded, unless expressly provided in the award itself. The 2013 Plan will terminate on April 15, 2026, unless earlier terminated by the board of directors.

**Federal Income Tax Consequences**

The following is a general summary as of this date of the federal income tax consequences to us and to U.S. participants for awards granted under the 2013 Plan. The federal tax laws may change and the federal, state and local tax consequences for any participant will depend upon his or her individual circumstances. Tax consequences for any particular individual may be different. This summary does not purport to be complete, and does not discuss state, local or non-U.S. tax consequences.

*Non-qualified Stock Options.* The grant of a non-qualified stock option under the 2013 Plan will not result in any federal income tax consequences to the participant or to the Company. Upon exercise of a non-qualified stock option, the participant is subject to income taxes at the rate applicable to ordinary compensation income on the difference between the option exercise price and the fair market value of the shares at the time of exercise. This income is subject to withholding for federal income and employment tax purposes. The Company is entitled to an income tax deduction in the amount of the income recognized by the participant, subject to possible limitations imposed by Section 162(m) of the Code and so long as the Company withholds the appropriate taxes with respect to such income (if required) and the participant's total compensation is deemed reasonable in amount. Any gain or loss on the participant's subsequent disposition of the shares of common stock will receive long or short-term capital gain or loss treatment, depending on whether the shares are held for more than one year following exercise. The Company does not receive a tax deduction for any such gain.

A non-qualified stock option can be considered non-qualified deferred compensation and subject to Section 409A of the Code. A non-qualified stock option that does not meet the requirements of Code Section 409A can result in the acceleration of income recognition and an additional 20% tax obligation plus penalties and interest.

*Incentive Stock Options.* The grant of an incentive stock option under the 2013 Plan will not result in any federal income tax consequences to the participant or to the Company. A participant recognizes no federal taxable income upon exercising an incentive stock option (subject to the alternative minimum tax rules discussed below), and the Company receives no deduction at the time of exercise. In the event of a disposition of stock acquired upon exercise of an incentive stock option, the tax consequences depend upon how long the participant has held the shares of common stock. If the participant does not dispose of the shares within two years after the incentive stock option was granted, nor within one year after the incentive stock option was exercised, the participant will recognize a long-term capital gain (or loss) equal to the difference between the sale price of the shares and the exercise price. The Company is not entitled to any deduction under these circumstances.

If the participant fails to satisfy either of the foregoing holding periods (referred to as a "disqualifying disposition"), he or she must recognize ordinary income in the year of the disposition. The amount of ordinary income generally is the lesser of (i) the difference between the amount realized on the disposition and the exercise price or (ii) the difference between the fair market value of the stock at the time of exercise and the exercise price. Any gain in excess of the amount taxed as ordinary income will be treated as a long or short-term capital gain, depending on whether the stock was held for more than one year. The Company, in the year of the disqualifying disposition, is entitled to a deduction equal to the amount of ordinary income recognized by the participant, subject to

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possible limitations imposed by Section 162(m) of the Code and so long as the participant's total compensation is deemed reasonable in amount.

The "spread" under an incentive stock option i.e., the difference between the fair market value of the shares at exercise and the exercise price is classified as an item of adjustment in the year of exercise for purposes of the alternative minimum tax. If a participant's alternative minimum tax liability exceeds such participant's regular income tax liability, the participant will owe the larger amount of taxes. In order to avoid the application of alternative minimum tax with respect to incentive stock options, the participant must sell the shares within the calendar year in which the incentive stock options are exercised. However, such a sale of shares within the year of exercise will constitute a disqualifying disposition, as described above.

*Stock Appreciation Rights.* Recipients of stock appreciation rights, or SARs, generally should not recognize income until the SAR is exercised (assuming there is no ceiling on the value of the right). Upon exercise, the recipient will normally recognize taxable ordinary income for federal income tax purposes equal to the amount of cash and fair market value of the shares, if any, received upon such exercise. Recipients who are employees will be subject to withholding for federal income and employment tax purposes with respect to income recognized upon exercise of a SAR. Recipients will recognize gain upon the disposition of any shares received on exercise of a SAR equal to the excess of (i) the amount realized on such disposition over (ii) the ordinary income recognized with respect to such shares under the principles set forth above. That gain will be taxable as long or short-term capital gain depending on whether the shares were held for more than one year. We will be entitled to a tax deduction to the extent and in the year that ordinary income is recognized by the recipient, subject to possible limitations imposed by Section 162(m) of the Code and so long as we withhold the appropriate taxes with respect to such income (if required) and the recipient's total compensation is deemed reasonable in amount.

A SAR also can be considered non-qualified deferred compensation and subject to Section 409A of the Code. A SAR that does not meet the requirements of Code Section 409A can result in the acceleration of income recognition and an additional 20% tax obligation plus penalties and interest.

*Restricted Stock.* A restricted stock award is subject to a "substantial risk of forfeiture" within the meaning of Section 83 of the Code to the extent the award will be forfeited in the event that the participant ceases to provide services to the Company. As a result of this substantial risk of forfeiture, the recipient will not recognize ordinary income at the time of the award. Instead, the recipient will recognize ordinary income on the date when the stock is no longer subject to a substantial risk of forfeiture, or when the stock becomes transferable, if earlier. The recipient's ordinary income is measured as the difference between the amount paid for the stock, if any, and the fair market value of the stock on the earlier of those two dates.

The recipient may accelerate his or her recognition of ordinary income, if any, and begin his or her capital gains holding period by timely filing (i.e., within 30 days of the award) an election pursuant to Section 83(b) of the Code. In such event, the ordinary income recognized, if any, is measured as the difference between the amount paid for the stock, if any, and the fair market value of the stock on the date of award, and the capital gain holding period commences on such date. The ordinary income recognized by a recipient that is an employee or former employee will be subject to tax withholding by the Company.

*Restricted Stock Units.* With respect to awards of restricted stock units, no ordinary income is reportable when the restricted stock units are granted to a participant or upon vesting of the restricted stock units. Upon settlement, the recipient will recognize ordinary income in an amount equal to the value of the payment received pursuant to the restricted stock units. The ordinary income recognized

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by a recipient that is an employee or former employee will be subject to tax withholding by the Company.

Restricted stock units also can be considered non-qualified deferred compensation and subject to Section 409A of the Code. A grant of restricted stock units that does not meet the requirements of Code Section 409A results in the acceleration of income recognition and an additional 20% tax obligation plus penalties and interest.

*Dividends and Dividend Equivalents.* Recipients of stock-based awards that earn dividends or dividend equivalents will recognize taxable ordinary income on any dividend payments received with respect to unvested and/or unexercised shares subject to such awards, which income is subject to withholding for federal income and employment tax purposes. We are entitled to an income tax deduction in the amount of the income recognized by a participant, subject to possible limitations imposed by Section 162(m) of the Code and so long as we withhold the appropriate taxes with respect to such income (if required) and the individual's total compensation is deemed reasonable in amount.

*Tax Effect for the Company.* Unless limited by Section 162(m) of the Code, the Company generally will be entitled to a tax deduction in connection with an award under the 2013 Plan in an amount equal to the ordinary income realized by a recipient at the time the recipient recognizes such income (for example, when restricted stock is no longer subject to the risk of forfeiture).

In general, under Section 162(m) of the Code, income tax deductions of publicly-held corporations may be limited to the extent total compensation (including base salary, annual bonus, stock option exercises and non-qualified benefits paid) for specified executive officers exceeds \$1 million (less the amount of any "excess parachute payments" as defined in Section 280G of the Code) in any one year. However, under Section 162(m) of the Code, the deduction limit does not apply to certain "qualified performance-based compensation" established by an independent compensation committee which conforms to certain conditions stated under the Code and related regulations. Options and stock appreciation rights granted by the compensation committee under the 2013 Plan are intended to qualify as "qualified performance-based compensation" under Section 162(m) of the Code. The 2013 Plan has been structured with the intent that certain other awards granted under the 2013 Plan may, in the discretion of the compensation committee, be structured so as to qualify for the "qualified performance-based compensation" exception to the \$1 million annual deductibility limit of Section 162(m) of the Code. However, awards granted under the 2013 Plan will be treated as qualified performance-based compensation under Section 162(m) of the Code only if the awards and the procedures associated with them comply with all requirements of Section 162(m) of the Code.

**Plan Benefits**

Awards under the 2013 Plan are subject to the discretion of the Administrator and, except with respect to grants to certain non-employee directors pursuant to our non-employee director compensation policy, unless such policy is amended, no determinations have been made by the Administrator as to any future awards that may be granted pursuant to the 2013 Plan. For additional information regarding our non-employee director compensation policy, see "Executive Compensation Compensation of Directors." Therefore, it is not possible to determine the benefits that will be received in the future by participants in the 2013 Plan. The following table sets forth, with respect to

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the individuals and groups identified therein, the benefits and amounts that have been allocated to such individuals and groups under the 2013 Plan through April 18, 2016:

<b>Name and Position</b>	<b>Shares Subject to Stock Options Granted#(1)</b>	<b>Shares Subject to Stock Awards Granted#(1)</b>
Craig A. Wheeler, President, Chief Executive Officer and Director	406,000	353,000
Richard P. Shea, Senior Vice President and Chief Financial Officer	72,528	36,288
Ganesh V. Kaundinya, Senior Vice President, Research and Chief Scientific Officer	117,873	118,960
Bruce A. Leicher, Senior Vice President, General Counsel and Secretary	112,429	116,240
James M. Roach, Senior Vice President, Development and Chief Medical Officer	116,202	118,126
All current executive officers as a group (7 persons)	1,110,532	932,888
All directors who are not employees (8 persons)	379,500	
All employees who are not current executive officers (269 persons)	2,221,655	1,335,233

(1) The closing price per share of our common stock on the NASDAQ Global Market on April 18, 2016 was \$9.69.

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**ADDITIONAL INFORMATION**

**Stockholder Proposals**

In order to be included in our proxy materials for the 2017 annual meeting of stockholders pursuant to Rule 14a-8 under the Securities Exchange Act of 1934, as amended, stockholders' proposals must be received by us at our principal executive offices, 675 West Kendall Street, Cambridge, Massachusetts 02142, no later than January 6, 2017. We suggest that proponents submit their proposals by certified mail, return receipt requested, addressed to our Secretary, Bruce A. Leicher, Esq.

In addition, our by-laws establish an advance notice procedure with regard to director nominations and other proposals by stockholders that are not intended to be included in our proxy materials, but that a stockholder instead wishes to present directly at an annual meeting. To be properly brought before the 2017 annual meeting of stockholders, a notice of the nomination or the matter the stockholder wishes to present at the meeting must be in writing and received by our Secretary at our principal offices not later than March 24, 2017 and not before February 22, 2017. However, if the 2017 annual meeting of stockholders is advanced by more than 20 days, or delayed by more than 60 days, from the first anniversary of the Annual Meeting, notice must be received no earlier than the 120th day prior to such annual meeting and not later than the close of business on the later of (1) the 90th day prior to such annual meeting and (2) the 10th day following the date on which notice of the date of such annual meeting was mailed or public disclosure of the date of such annual meeting was made, whichever occurs first. Our by-laws also specify requirements relating to the content of the notice that stockholders must provide in order for a director nomination or other proposal to be properly presented at the 2017 annual meeting of stockholders. SEC rules permit management to vote proxies in its discretion in certain cases if the stockholder does not comply with this deadline, or, if this deadline does not apply, a deadline of the close of business on March 22, 2017, and in certain other cases notwithstanding the stockholder's compliance with these deadlines.

**Householding of Annual Meeting Materials**

The SEC has adopted rules that permit companies and intermediaries (such as banks and brokers) to satisfy the delivery requirements for proxy statements and annual reports with respect to two or more stockholders sharing the same address by delivering a single proxy statement addressed to those stockholders. This process, which is commonly referred to as "householding," potentially means extra convenience for stockholders and cost savings for companies.

This year, a number of banks and brokers with account holders who are our stockholders will be householding our proxy materials. A single proxy statement will be delivered to multiple stockholders sharing an address unless contrary instructions have been received from the affected stockholders. Once you have received notice from your bank or broker that it will be householding communications to your address, householding will continue until you are notified otherwise or until you revoke your consent. If, at any time, you no longer wish to participate in householding and would prefer to receive a separate proxy statement and annual report, please notify your bank or broker, direct your written request to Momenta Pharmaceuticals, Inc., 675 West Kendall Street, Cambridge, Massachusetts 02142, Attention Bruce A. Leicher, General Counsel and Secretary, or contact Momenta Pharmaceuticals, Inc. by telephone at (617) 491-9700 or by facsimile at (617) 621-0431. Stockholders who currently receive multiple copies of the proxy statement at their address and would like to request householding of their communications should contact their bank or broker.

**Other Matters**

Our board of directors is not aware of any matter to be presented for action at the Annual Meeting other than the matters referred to above and does not intend to bring any other matters



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before the Annual Meeting. However, if other matters should properly come before the Annual Meeting, it is intended that holders of the proxies will vote thereon in their discretion.

**General**

The accompanying proxy is solicited by and on behalf of our board of directors, whose notice of meeting is attached to this proxy statement, and the entire cost of such solicitation will be borne by us.

In addition to the use of the mails, proxies may be solicited by personal interview, telephone and email by directors, officers and other employees of Momenta who will not be specially compensated for these services. We will also request that brokers, nominees, custodians and other fiduciaries forward soliciting materials to the beneficial owners of shares held of record by such brokers, nominees, custodians and other fiduciaries. We will reimburse such persons for their reasonable expenses in connection therewith.

We have also engaged D.F. King to assist in the solicitation of proxies and provide related advice and informational support for a services fee and the reimbursement of customary disbursements that are not expected to exceed \$8,500 in the aggregate.

Certain information contained in this proxy statement relating to the occupations and security holdings of our directors and officers is based upon information received from the individual directors and officers.

**WE WILL FURNISH, WITHOUT CHARGE, A COPY OF OUR ANNUAL REPORT ON FORM 10-K FOR THE YEAR ENDED DECEMBER 31, 2015, INCLUDING CONSOLIDATED FINANCIAL STATEMENTS BUT NOT INCLUDING EXHIBITS, TO EACH OF OUR STOCKHOLDERS OF RECORD ON APRIL 25, 2016, AND TO EACH BENEFICIAL STOCKHOLDER ON THAT DATE UPON WRITTEN REQUEST MADE TO BRUCE A. LEICHER, SECRETARY, MOMENTA PHARMACEUTICALS, INC., 675 WEST KENDALL STREET, CAMBRIDGE, MASSACHUSETTS 02142. A REASONABLE FEE WILL BE CHARGED FOR COPIES OF REQUESTED EXHIBITS.**

**PLEASE VOTE YOUR SHARES OVER THE INTERNET OR BY TELEPHONE AS PROVIDED IN THE INSTRUCTIONS SET FORTH ON THE ENCLOSED PROXY CARD, OR COMPLETE, DATE, SIGN AND RETURN THE PROXY CARD AT YOUR EARLIEST CONVENIENCE IN THE ENCLOSED RETURN ENVELOPE. A PROMPT RETURN OF YOUR PROXY CARD WILL BE APPRECIATED AS IT WILL SAVE THE EXPENSE OF FURTHER MAILINGS.**

By Order of the Board of Directors,

Craig A. Wheeler

*President and Chief Executive Officer*

Cambridge, Massachusetts

April 27, 2016

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**EXHIBIT A**

**MOMENTA PHARMACEUTICALS, INC.  
2013 INCENTIVE AWARD PLAN  
(as amended and restated)**

**ARTICLE 1.**

**PURPOSE**

The purpose of the Momenta Pharmaceuticals, Inc. 2013 Incentive Award Plan (as it may be amended or restated from time to time, the "*Plan*") is to promote the success and enhance the value of Momenta Pharmaceuticals, Inc. (the "*Company*") by linking the individual interests of the members of the Board, Employees, and Consultants to those of Company stockholders and by providing such individuals with an incentive for outstanding performance to generate superior returns to Company stockholders. The Plan is further intended to provide flexibility to the Company in its ability to motivate, attract, and retain the services of members of the Board, Employees, and Consultants upon whose judgment, interest, and special effort the successful conduct of the Company's operation is largely dependent.

**ARTICLE 2.**

**DEFINITIONS AND CONSTRUCTION**

Wherever the following terms are used in the Plan they shall have the meanings specified below, unless the context clearly indicates otherwise. The singular pronoun shall include the plural where the context so indicates.

2.1 "*Administrator*" shall mean the entity that conducts the general administration of the Plan as provided in Article 13. With reference to the duties of the Committee under the Plan which have been delegated to one or more persons pursuant to Section 13.6, or as to which the Board has assumed, the term "*Administrator*" shall refer to such person(s) unless the Committee or the Board has revoked such delegation or the Board has terminated the assumption of such duties.

2.2 "*Applicable Accounting Standards*" shall mean Generally Accepted Accounting Principles in the United States, International Financial Reporting Standards or such other accounting principles or standards as may apply to the Company's financial statements under United States federal securities laws from time to time.

2.3 "*Applicable Law*" shall mean any applicable law, including without limitation: (i) provisions of the Code, the Securities Act, the Exchange Act and any rules or regulations thereunder; (ii) corporate, securities, tax or other laws, statutes, rules, requirements or regulations, whether federal, state, local or foreign; and (iii) rules of any securities exchange or automated quotation system on which the Shares are listed, quoted or traded.

2.4 "*Award*" shall mean an Option, a Restricted Stock award, a Restricted Stock Unit award, a Performance Award, a Dividend Equivalents award, a Stock Payment award or a Stock Appreciation Right, which may be awarded or granted under the Plan (collectively, "*Awards*").

2.5 "*Award Agreement*" shall mean any written notice, agreement, terms and conditions, contract or other instrument or document evidencing an Award, including through electronic medium, which shall contain such terms and conditions with respect to an Award as the Administrator shall determine consistent with the Plan.

2.6 "*Award Limit*" shall mean with respect to Awards that shall be payable in Shares or in cash, as the case may be, the respective limit set forth in Section 3.3.

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2.7 "Board" shall mean the Board of Directors of the Company.

2.8 "Change in Control" shall mean and includes each of the following:

(a) A transaction or series of transactions (other than an offering of Common Stock to the general public through a registration statement filed with the Securities and Exchange Commission) whereby any "person" or related "group" of "persons" (as such terms are used in Sections 13(d) and 14(d)(2) of the Exchange Act) (other than the Company, any of its subsidiaries, an employee benefit plan maintained by the Company or any of its subsidiaries or a "person" that, prior to such transaction, directly or indirectly controls, is controlled by, or is under common control with, the Company) directly or indirectly acquires beneficial ownership (within the meaning of Rule 13d-3 under the Exchange Act) of securities of the Company possessing more than 50% of the total combined voting power of the Company's securities outstanding immediately after such acquisition; or

(b) During any period of two consecutive years, individuals who, at the beginning of such period, constitute the Board together with any new Director(s) (other than a Director designated by a person who shall have entered into an agreement with the Company to effect a transaction described in Section 2.8(a) or 2.8(c)) whose election by the Board or nomination for election by the Company's stockholders was approved by a vote of at least two-thirds of the Directors then still in office who either were Directors at the beginning of the two-year period or whose election or nomination for election was previously so approved, cease for any reason to constitute a majority thereof; or

(c) The consummation by the Company (whether directly involving the Company or indirectly involving the Company through one or more intermediaries) of (x) a merger, consolidation, reorganization, or business combination or (y) a sale or other disposition of all or substantially all of the Company's assets in any single transaction or series of related transactions or (z) the acquisition of assets or stock of another entity, in each case other than a transaction:

(i) which results in the Company's voting securities outstanding immediately before the transaction continuing to represent (either by remaining outstanding or by being converted into voting securities of the Company or the person that, as a result of the transaction, controls, directly or indirectly, the Company or owns, directly or indirectly, all or substantially all of the Company's assets or otherwise succeeds to the business of the Company (the Company or such person, the "Successor Entity")) directly or indirectly, at least a majority of the combined voting power of the Successor Entity's outstanding voting securities immediately after the transaction, and

(ii) after which no person or group beneficially owns voting securities representing 50% or more of the combined voting power of the Successor Entity; *provided, however*, that no person or group shall be treated for purposes of this Section 2.8(c)(ii) as beneficially owning 50% or more of the combined voting power of the Successor Entity solely as a result of the voting power held in the Company prior to the consummation of the transaction; or

(d) The liquidation or dissolution of the Company.

Notwithstanding the foregoing, if a Change in Control constitutes a payment event with respect to any portion of an Award that provides for the deferral of compensation and is subject to Section 409A of the Code, the transaction or event described in subsection (a), (b), (c) or (d) with respect to such Award (or portion thereof) must also constitute a "change in control event," as defined in Treasury Regulation Section 1.409A-3(i)(5) to the extent required by Section 409A.

The Committee shall have full and final authority, which shall be exercised in its sole discretion, to determine conclusively whether a Change in Control of the Company has occurred pursuant to the

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above definition, and the date of the occurrence of such Change in Control and any incidental matters relating thereto; provided that any exercise of authority in conjunction with a determination of whether a Change in Control is a "change in control event" as defined in Treasury Regulation Section 1.409A-3(i)(5) shall be consistent with such regulation.

2.9 "*Code*" shall mean the Internal Revenue Code of 1986, as amended from time to time, together with the regulations and official guidance promulgated thereunder.

2.10 "*Committee*" shall mean the Compensation Committee of the Board, or another committee or subcommittee of the Board or the Compensation Committee, appointed as provided in Section 13.1.

2.11 "*Common Stock*" shall mean the common stock of the Company, par value \$0.0001 per share.

2.12 "*Company*" shall have the meaning set forth in Article 1.

2.13 "*Consultant*" shall mean any consultant or adviser engaged to provide services to the Company or any Subsidiary that qualifies as a consultant under the applicable rules of the Securities and Exchange Commission for registration of shares on a Form S-8 Registration Statement.

2.14 "*Covered Employee*" shall mean any Employee who is, or could be, a "covered employee" within the meaning of Section 162(m) of the Code.

2.15 "*Director*" shall mean a member of the Board, as constituted from time to time.

2.16 "*Disability*" shall mean that the Holder is either (a) unable to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment that can be expected to result in death or can be expected to last for a continuous period of not less than twelve months, or (b) by reason of any medically determinable physical or mental impairment that can be expected to result in death or can be expected to last for a continuous period of not less than twelve months, receiving income replacement benefits for a period of not less than three months under an accident and health plan covering employees of the Company. For purposes of the Plan, a Holder shall be deemed to have incurred a Disability if the Holder is determined to be totally disabled by the Social Security Administration or in accordance with the applicable disability insurance program of the Company's, provided that the definition of "disability" applied under such disability insurance program complies with the requirements of this definition.

2.17 "*Dividend Equivalent*" shall mean a right to receive the equivalent value (in cash or Shares) of dividends paid on Shares, awarded under Section 10.2.

2.18 "*DRO*" shall mean a domestic relations order as defined by the Code or Title I of the Employee Retirement Income Security Act of 1974, as amended from time to time, or the rules thereunder.

2.19 "*Effective Date*" shall mean March 5, 2013.

2.20 "*Eligible Individual*" shall mean any person who is an Employee, a Consultant or a Non-Employee Director, as determined by the Committee.

2.21 "*Employee*" shall mean any officer or other employee (as determined in accordance with Section 3401(c) of the Code and the Treasury Regulations thereunder) of the Company or of any Subsidiary.

2.22 "*Equity Restructuring*" shall mean a nonreciprocal transaction between the Company and its stockholders, such as a stock dividend, stock split, spin-off or recapitalization through a large, nonrecurring cash dividend, that affects the number or kind of Shares (or other securities of the Company) or the share price of Common Stock (or other securities) and causes a change in the per-share value of the Common Stock underlying outstanding Awards.

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2.23 "*Exchange Act*" shall mean the Securities Exchange Act of 1934, as amended from time to time.

2.24 "*Expiration Date*" shall have the meaning given to such term in Section 14.1.

2.25 "*Fair Market Value*" shall mean, as of any given date, the value of a Share determined as follows:

(a) If the Common Stock is listed on any (i) established securities exchange (such as the New York Stock Exchange, the NASDAQ Global Market and the NASDAQ Global Select Market), (ii) national market system or (iii) automated quotation system on which the Shares are listed, quoted or traded, its Fair Market Value shall be the closing sales price for a Share as quoted on such exchange or system for such date or, if there is no closing sales price for a Share on the date in question, the closing sales price for a Share on the last preceding date for which such quotation exists, as reported in *The Wall Street Journal* or such other source as the Administrator deems reliable; or

(b) If the Common Stock is neither listed on an established securities exchange, national market system or automated quotation system, its Fair Market Value shall be established by the Administrator in good faith.

2.26 "*Full Value Award*" shall mean any Award other than an Option or a Stock Appreciation Right and that is settled by the issuance of Shares.

2.27 "*Greater Than 10% Stockholder*" shall mean an individual then owning (within the meaning of Section 424(d) of the Code) more than 10% of the total combined voting power of all classes of stock of the Company or any subsidiary corporation (as defined in Section 424(f) of the Code) or parent corporation thereof (as defined in Section 424(e) of the Code).

2.28 "*Holder*" shall mean a person who has been granted an Award.

2.29 "*Incentive Stock Option*" shall mean an Option that is intended to qualify as an incentive stock option and conforms to the applicable provisions of Section 422 of the Code.

2.30 "*Non-Employee Director*" shall mean a Director of the Company who is not an Employee.

2.31 "*Non-Employee Director Equity Compensation Policy*" shall have the meaning set forth in Section 4.6.

2.32 "*Non-Qualified Stock Option*" shall mean an Option that is not an Incentive Stock Option.

2.33 "*Option*" shall mean a right to purchase Shares at a specified exercise price, granted under Article 6. An Option shall be either a Non-Qualified Stock Option or an Incentive Stock Option; *provided, however*, that Options granted to Non-Employee Directors and Consultants shall only be Non-Qualified Stock Options.

2.34 "*Option Term*" shall have the meaning set forth in Section 6.4.

2.35 "*Parent*" shall mean any entity (other than the Company), whether domestic or foreign, in an unbroken chain of entities ending with the Company if each of the entities other than the Company beneficially owns, at the time of the determination, securities or interests representing at least fifty percent (50%) of the total combined voting power of all classes of securities or interests in one of the other entities in such chain.

2.36 "*Performance Award*" shall mean a cash bonus award, stock bonus award, performance award or incentive award that is paid in cash, Shares or a combination of both, awarded under Section 10.1.

2.37 "*Performance-Based Compensation*" shall mean any compensation that is intended to qualify as "performance-based compensation" as described in Section 162(m)(4)(C) of the Code.

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2.38 "*Performance Criteria*" shall mean the criteria (and adjustments) that the Committee selects for an Award for purposes of establishing the Performance Goal or Performance Goals for a Performance Period, determined as follows:

(a) The Performance Criteria that shall be used to establish Performance Goals are limited to the following: (i) net earnings (either before or after one or more of the following: (A) interest, (B) taxes, (C) depreciation and (D) amortization); (ii) gross or net sales or revenue; (iii) net income (either before or after taxes); (iv) adjusted net income; (v) operating earnings or profit; (vi) cash flow (including, but not limited to, operating cash flow and free cash flow); (vii) return on assets; (viii) return on capital; (ix) return on stockholders' equity; (x) total stockholder return; (xi) return on sales; (xii) gross or net profit or operating margin; (xiii) costs; (xiv) expenses; (xv) working capital; (xvi) earnings per share; (xvii) adjusted earnings per share; (xviii) price per share; (xix) regulatory body approval for commercialization of a product; (xx) implementation, completion or attainment of objectively determinable objectives relating to research, development, regulatory, commercial, or strategic milestones or developments; (xxi) market share; and (xxii) economic value, any of which may be measured either in absolute terms or as compared to any incremental increase or decrease or as compared to results of a peer group or to market performance indicators or indices.

(b) The Administrator, in its sole discretion, may provide that one or more objectively determinable adjustments shall be made to one or more of the Performance Goals. Such adjustments may include one or more of the following: (i) items related to a change in accounting principle; (ii) items relating to financing activities; (iii) expenses for restructuring or productivity initiatives; (iv) other non-operating items; (v) items related to acquisitions; (vi) items attributable to the business operations of any entity acquired by the Company during the Performance Period; (vii) items related to the disposal of a business or segment of a business; (viii) items related to discontinued operations that do not qualify as a segment of a business under Applicable Accounting Standards; (ix) items attributable to any stock dividend, stock split, combination or exchange of stock occurring during the Performance Period; (x) any other items of significant income or expense which are determined to be appropriate adjustments; (xi) items relating to unusual or extraordinary corporate transactions, events or developments; (xii) items related to amortization of acquired intangible assets; (xiii) items that are outside the scope of the Company's core, on-going business activities; (xiv) items related to acquired in-process research and development; (xv) items relating to changes in tax laws; (xvi) items relating to major licensing or partnership arrangements; (xvii) items relating to asset impairment charges; (xviii) items relating to gains or losses for litigation, arbitration and contractual settlements; or (xix) items relating to any other unusual or nonrecurring events or changes in Applicable Law, accounting principles or business conditions. For all Awards intended to qualify as Performance-Based Compensation, such determinations shall be made within the time prescribed by, and otherwise in compliance with, Section 162(m) of the Code.

2.39 "*Performance Goals*" shall mean, for a Performance Period, one or more goals established in writing by the Administrator for the Performance Period based upon one or more Performance Criteria. Depending on the Performance Criteria used to establish such Performance Goals, the Performance Goals may be expressed in terms of overall Company performance or the performance of a Subsidiary, division, business unit, or an individual. The achievement of each Performance Goal shall be determined, to the extent applicable, with reference to Applicable Accounting Standards.

2.40 "*Performance Period*" shall mean one or more periods of time, which may be of varying and overlapping durations, as the Administrator may select, over which the attainment of one or more Performance Goals will be measured for the purpose of determining a Holder's right to, and the payment of, an Award.

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2.41 "*Performance Stock Unit*" shall mean a Performance Award awarded under Section 10.1 which is denominated in units of value including dollar value of Shares.

2.42 "*Permitted Transferee*" shall mean, with respect to a Holder, any "family member" of the Holder, as defined in the instructions to Form S-8 under the Securities Act.

2.43 "*Plan*" shall have the meaning set forth in Article 1.

2.44 "*Prior Plans*" shall mean, collectively, the following plans of the Company: the Amended and Restated 2002 Stock Incentive Plan and the 2004 Stock Incentive Plan, in each case as such plan may be or may have been amended from time to time.

2.45 "*Program*" shall mean any program adopted by the Administrator pursuant to the Plan containing the terms and conditions intended to govern a specified type of Award granted under the Plan and pursuant to which such type of Award may be granted under the Plan.

2.46 "*Restricted Stock*" shall mean Common Stock awarded under Article 8 that is subject to certain restrictions and may be subject to risk of forfeiture or repurchase.

2.47 "*Restricted Stock Units*" shall mean the right to receive Shares awarded under Article 9.

2.48 "*Securities Act*" shall mean the Securities Act of 1933, as amended.

2.49 "*Shares*" shall mean shares of Common Stock.

2.50 "*Stock Appreciation Right*" shall mean a stock appreciation right granted under Article 11.

2.51 "*Stock Appreciation Right Term*" shall have the meaning set forth in Section 11.4.

2.52 "*Stock Payment*" shall mean (a) a payment in the form of Shares, or (b) an option or other right to purchase Shares, as part of a bonus, deferred compensation or other arrangement, awarded under Section 10.3.

2.53 "*Subsidiary*" shall mean any entity (other than the Company), whether domestic or foreign, in an unbroken chain of entities beginning with the Company if each of the entities other than the last entity in the unbroken chain beneficially owns, at the time of the determination, securities or interests representing at least fifty percent (50%) of the total combined voting power of all classes of securities or interests in one of the other entities in such chain.

2.54 "*Substitute Award*" shall mean an Award granted under the Plan upon the assumption of, or in substitution for, outstanding equity awards previously granted by a company or other entity in connection with a corporate transaction, such as a merger, combination, consolidation or acquisition of property or stock; *provided, however*, that in no event shall the term "Substitute Award" be construed to refer to an award made in connection with the cancellation and repricing of an Option or Stock Appreciation Right.

2.55 "*Termination of Service*" shall mean:

(a) As to a Consultant, the time when the engagement of a Holder as a Consultant to the Company or a Subsidiary is terminated for any reason, with or without cause, including, without limitation, by resignation, discharge, death or retirement, but excluding terminations where the Consultant simultaneously commences or remains in employment or service with the Company or any Subsidiary.

(b) As to a Non-Employee Director, the time when a Holder who is a Non-Employee Director ceases to be a Director for any reason, including, without limitation, a termination by resignation, failure to be elected, death or retirement, but excluding terminations where the Holder simultaneously commences or remains in employment or service with the Company or any Subsidiary.

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(c) As to an Employee, the time when the employee-employer relationship between a Holder and the Company or any Subsidiary is terminated for any reason, including, without limitation, a termination by resignation, discharge, death, disability or retirement; but excluding terminations where the Holder simultaneously commences or remains in employment or service with the Company or any Subsidiary.

The Administrator, in its sole discretion, shall determine the effect of all matters and questions relating to any Termination of Service, including, without limitation, the question of whether a Termination of Service resulted from a discharge for cause and all questions of whether particular leaves of absence constitute a Termination of Service; *provided, however*, that, with respect to Incentive Stock Options, unless the Administrator otherwise provides in the terms of the Program, the Award Agreement or otherwise, or as otherwise required by Applicable Law, a leave of absence, change in status from an employee to an independent contractor or other change in the employee-employer relationship shall constitute a Termination of Service only if, and to the extent that, such leave of absence, change in status or other change interrupts employment for the purposes of Section 422(a)(2) of the Code and the then-applicable regulations and revenue rulings under said Section. For purposes of the Plan, a Holder's employee-employer relationship or consultancy relations shall be deemed to be terminated in the event that the Subsidiary employing or contracting with such Holder ceases to remain an Subsidiary following any merger, sale of stock or other corporate transaction or event (including, without limitation, a spin-off).

**ARTICLE 3.**

**SHARES SUBJECT TO THE PLAN**

**3.1 *Number of Shares.***

(a) Subject to adjustment as provided in Section 3.1(b) and Section 14.2, the aggregate number of Shares which may be issued or transferred pursuant to Awards under the Plan is the sum of (i) 11,900,000 Shares, plus (ii) the number of Shares subject to any option or stock appreciation right granted under a Prior Plan on or prior to December 31, 2012 to the extent such Shares become available for issuance under this Plan pursuant to Section 3.1(b) below thereafter, plus (iii) (A) 1.35 Shares multiplied by the number of Shares subject to any award granted under a Prior Plan on or prior to December 31, 2012 other than an option or stock appreciation right to the extent such Shares became available for issuance under this Plan pursuant to Section 3.1(b) below prior to June 9, 2015 and (B) 1.67 Shares multiplied by the number of Shares subject to any award granted under a Prior Plan on or prior to December 31, 2012 to the extent such Shares become available for issuance under this Plan pursuant to Section 3.1(b) below on or after June 9, 2015; *provided, however*, that in no event shall the number of Shares which shall become available for issuance or transfer pursuant to Awards under the Plan pursuant to clauses (ii) and (iii) above exceed an aggregate of 5,288,836 Shares. Any Shares that are subject to Awards of Options or Stock Appreciation Rights granted under the Plan shall be counted against this limit as one (1) Share for every one (1) Share granted. Any Shares that are subject to Awards granted under the Plan that are other than Options or Stock Appreciation Rights shall be counted against this limit as 1.35 Shares if the Award is granted prior to June 9, 2015 and as 1.67 Shares if the Award is granted on or after June 9, 2015 for every one (1) Share granted. After the date that the Plan is approved by the Company's shareholders, no awards may be granted under any Prior Plan, however, any awards under any Prior Plan that are outstanding as of the date that the Plan is approved by the Company's shareholders shall continue to be subject to the terms and conditions of such Prior Plan. Notwithstanding anything in this Section 3.1 to the contrary, the number of Shares that may be issued or transferred pursuant to Awards under the Plan (including Incentive Stock Options) shall not exceed an aggregate of 17,188,836 Shares, subject to adjustment pursuant to Section 14.2.



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(b) If (i) any Shares subject to an Award are forfeited or expire or an Award is settled for cash (in whole or in part), or (ii) after the Effective Date any Shares subject to an award granted under any Prior Plan on or prior to December 31, 2012 are forfeited or expire or an award granted under any Prior Plan on or prior to December 31, 2012 is settled for cash (in whole or in part), the Shares subject to such Award or award under the Prior Plan shall, to the extent of such forfeiture, expiration or cash settlement, again be available for Awards under the Plan, in accordance with Section 3.1(d) below. Notwithstanding anything to the contrary contained herein, the following Shares shall not be added to the Shares authorized for grant under Section 3.1(a) and shall not be available for future grants of Awards: (i) Shares tendered by a Holder or withheld by the Company in payment of the exercise price of an Option; (ii) Shares tendered by the Holder or withheld by the Company to satisfy any tax withholding obligation with respect to an Award; (iii) Shares subject to a Stock Appreciation Right that are not issued in connection with the stock settlement of the Stock Appreciation Right on exercise thereof; and (iv) Shares purchased on the open market with the cash proceeds from the exercise of Options. Any Shares repurchased by the Company under Section 8.4 at the same or lower price paid by the Holder so that such Shares are returned to the Company shall again be available for Awards. 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. Notwithstanding the provisions of this Section 3.1(b), no Shares may again be optioned, granted or awarded if such action would cause an Incentive Stock Option to fail to qualify as an incentive stock option under Section 422 of the Code.

(c) Substitute Awards shall not reduce the Shares authorized for grant under the Plan. Additionally, in the event that a company acquired by the Company or any Subsidiary or with which the Company or any Subsidiary combines has shares available under a pre-existing plan approved by stockholders and not adopted in contemplation of such acquisition or combination, the shares available for grant pursuant to the terms of such pre-existing plan (as adjusted, to the extent appropriate, using the exchange ratio or other adjustment or valuation ratio or formula used in such acquisition or combination to determine the consideration payable to the holders of common stock of the entities party to such acquisition or combination) may be used for Awards under the Plan and shall not reduce the Shares authorized for grant under the Plan; provided that Awards using such available Shares shall not be made after the date awards or grants could have been made under the terms of the pre-existing plan, absent the acquisition or combination, and shall only be made to individuals who were not employed by or providing services to the Company or its Subsidiaries immediately prior to such acquisition or combination.

(d) Any Shares that again become available for grant pursuant to this Section 3.1 shall be added back as: (i) one (1) Share if such Shares were subject to an Option or a Stock Appreciation Right granted under the Plan or an option or stock appreciation right granted under any Prior Plan, (ii) as 1.35 Shares if such Shares were subject to Awards other than Options or Stock Appreciation Rights granted under the Plan prior to June 9, 2015 or if such Shares became available for grant under the Plan pursuant to Section 3.1(b)(ii) prior to June 9, 2015, and (iii) as 1.67 Shares if such Shares were subject to Awards other than Options or Stock Appreciation Rights granted under the Plan on or after June 9, 2015 or if such Shares became available for grant under the Plan pursuant to Section 3.1(b)(ii) on or after June 9, 2015.

**3.2 *Stock Distributed.*** Any Shares distributed pursuant to an Award may consist, in whole or in part, of authorized and unissued Common Stock, treasury Common Stock or Common Stock purchased on the open market.

**3.3 *Limitation on Number of Shares Subject to Awards.*** Notwithstanding any provision in the Plan to the contrary, and subject to Section 14.2, the maximum aggregate number of Shares with respect to one or more Awards that may be granted to any one person other than a Non-Employee Director during any calendar year shall be 1,000,000, the maximum aggregate number of Shares with respect to

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one or more Awards that may be granted to a Non-Employee Director during any calendar year shall be 100,000 and the maximum aggregate amount of cash that may be paid in cash to any one person during any calendar year with respect to one or more Awards initially payable in cash shall be five million dollars.

**ARTICLE 4.**

**GRANTING OF AWARDS**

4.1 *Participation.* The Administrator may, from time to time, select from among all Eligible Individuals, those to whom an Award shall be granted and shall determine the nature and amount of each Award, which shall not be inconsistent with the requirements of the Plan. Except as provided in Section 4.6 regarding the grant of Awards pursuant to the Non-Employee Director Equity Compensation Policy, no Eligible Individual shall have any right to be granted an Award pursuant to the Plan.

4.2 *Award Agreement.* Each Award shall be evidenced by an Award Agreement that sets forth the terms, conditions and limitations for such Award, which may include the term of the Award, the provisions applicable in the event of the Holder's Termination of Service, and the Company's authority to unilaterally or bilaterally amend, modify, suspend, cancel or rescind an Award. Award Agreements evidencing Awards intended to qualify as Performance-Based Compensation shall contain such terms and conditions as may be necessary to meet the applicable provisions of Section 162(m) of the Code. Award Agreements evidencing Incentive Stock Options shall contain such terms and conditions as may be necessary to meet the applicable provisions of Section 422 of the Code.

4.3 *Limitations Applicable to Section 16 Persons.* Notwithstanding any other provision of the Plan, the Plan, and any Award granted or awarded to any individual who is then subject to Section 16 of the Exchange Act, shall be subject to any additional limitations set forth in any applicable exemptive rule under Section 16 of the Exchange Act (including Rule 16b-3 of the Exchange Act and any amendments thereto) that are requirements for the application of such exemptive rule. To the extent permitted by Applicable Law, the Plan and Awards granted or awarded hereunder shall be deemed amended to the extent necessary to conform to such applicable exemptive rule.

4.4 *At-Will Employment; Voluntary Participation.* Nothing in the Plan or in any Program or Award Agreement hereunder shall confer upon any Holder any right to continue in the employ of, or as a Director or Consultant for, the Company or any Subsidiary, or shall interfere with or restrict in any way the rights of the Company and any Subsidiary, which rights are hereby expressly reserved, to discharge any Holder at any time for any reason whatsoever, with or without cause, and with or without notice, or to terminate or change all other terms and conditions of employment or engagement, except to the extent expressly provided otherwise in a written agreement between the Holder and the Company or any Subsidiary. Participation by each Holder in the Plan shall be voluntary and nothing in the Plan shall be construed as mandating that any Eligible Individual shall participate in the Plan.

4.5 *Foreign Holders.* Notwithstanding any provision of the Plan to the contrary, in order to comply with the laws in countries other than the United States in which the Company and its Subsidiaries operate or have Employees, Non-Employee Directors or Consultants, or in order to comply with the requirements of any foreign securities exchange, the Administrator, in its sole discretion, shall have the power and authority to: (a) determine which Subsidiaries shall be covered by the Plan; (b) determine which Eligible Individuals outside the United States are eligible to participate in the Plan; (c) modify the terms and conditions of any Award granted to Eligible Individuals outside the United States to comply with applicable foreign laws or listing requirements of any such foreign securities exchange; (d) establish subplans and modify exercise procedures and other terms and procedures, to the extent such actions may be necessary or advisable (any such subplans and/or modifications shall be attached to the Plan as appendices); *provided, however*, that no such subplans

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and/or modifications shall increase the share limitations contained in Sections 3.1 and 3.3; and (e) take any action, before or after an Award is made, that it deems advisable to obtain approval or comply with any necessary local governmental regulatory exemptions or approvals or listing requirements of any such foreign securities exchange. Notwithstanding the foregoing, the Administrator may not take any actions hereunder, and no Awards shall be granted, that would violate Applicable Law. For purposes of the Plan, all references to foreign laws, rules, regulations or taxes shall be references to the laws, rules, regulations and taxes of any applicable jurisdiction other than the United States or a political subdivision thereof.

**4.6 Non-Employee Director Awards.** The Administrator, in its sole discretion, may provide that Awards granted to Non-Employee Directors shall be granted pursuant to a written nondiscretionary formula established by the Administrator (the "*Non-Employee Director Equity Compensation Policy*"), subject to the limitations of the Plan. The Non-Employee Director Equity Compensation Policy shall set forth the type of Award(s) to be granted to Non-Employee Directors, the number of Shares to be subject to Non-Employee Director Awards (subject to the limits of the Plan), the conditions on which such Awards shall be granted, become exercisable and/or payable and expire, and such other terms and conditions as the Administrator shall determine in its sole discretion. The Non-Employee Director Equity Compensation Policy may be modified by the Administrator from time to time in its sole discretion.

**4.7 Stand-Alone and Tandem Awards.** Awards granted pursuant to the Plan may, in the sole discretion of the Administrator, be granted either alone, in addition to, or in tandem with, any other Award granted pursuant to the Plan. Awards granted in addition to or in tandem with other Awards may be granted either at the same time as or at a different time from the grant of such other Awards.

**ARTICLE 5.**

**PROVISIONS APPLICABLE TO AWARDS INTENDED TO QUALIFY AS PERFORMANCE-BASED COMPENSATION**

**5.1 Purpose.** The Committee, in its sole discretion, may determine at the time an Award is granted or at any time thereafter whether such Award is intended to qualify as Performance-Based Compensation. If the Committee, in its sole discretion, decides to grant such an Award to an Eligible Individual that is intended to qualify as Performance-Based Compensation (other than an Option or Stock Appreciation Right), then the provisions of this Article 5 shall control over any contrary provision contained in the Plan. The Administrator, in its sole discretion, may grant Awards to other Eligible Individuals that are based on Performance Criteria or Performance Goals or any such other criteria and goals as the Administrator shall establish, but that do not satisfy the requirements of this Article 5 and that are not intended to qualify as Performance-Based Compensation. Unless otherwise specified by the Committee at the time of grant, the Performance Criteria with respect to an Award intended to be Performance-Based Compensation payable to a Covered Employee shall be determined on the basis of Applicable Accounting Standards.

**5.2 Applicability.** The grant of an Award to an Eligible Individual for a particular Performance Period shall not require the grant of an Award to such Eligible Individual in any subsequent Performance Period and the grant of an Award to any one Eligible Individual shall not require the grant of an Award to any other Eligible Individual in such period or in any other period.

**5.3 Types of Awards.** Notwithstanding anything in the Plan to the contrary, the Committee may grant any Award to an Eligible Individual intended to qualify as Performance-Based Compensation, including, without limitation, Restricted Stock the restrictions with respect to which lapse upon the attainment of specified Performance Goals, Restricted Stock Units that vest and become payable upon the attainment of specified Performance Goals and any Performance Awards described in Article 10 that vest or become exercisable or payable upon the attainment of one or more specified Performance Goals.

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**5.4 Procedures with Respect to Performance-Based Awards.** To the extent necessary to comply with the requirements of Section 162(m)(4)(C) of the Code, with respect to any Award granted to one or more Eligible Individuals which is intended to qualify as Performance-Based Compensation, no later than 90 days following the commencement of any Performance Period or any designated fiscal period or period of service (or such earlier time as may be required under Section 162(m) of the Code), the Committee shall, in writing, (a) designate one or more Eligible Individuals, (b) select the Performance Criteria applicable to the Performance Period, (c) establish the Performance Goals, and amounts of such Awards, as applicable, which may be earned for such Performance Period based on the Performance Criteria, and (d) specify the relationship between Performance Criteria and the Performance Goals and the amounts of such Awards, as applicable, to be earned by each Covered Employee for such Performance Period. Following the completion of each Performance Period, the Committee shall certify in writing whether and the extent to which the applicable Performance Goals have been achieved for such Performance Period. In determining the amount earned under such Awards, the Committee shall 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 Committee may deem relevant, including the assessment of individual or corporate performance for the Performance Period.

**5.5 Payment of Performance-Based Awards.** Unless otherwise provided in the applicable Program or Award Agreement and only to the extent otherwise permitted by Section 162(m) of the Code, as to an Award that is intended to qualify as Performance-Based Compensation, the Holder must be employed by the Company or a Subsidiary throughout the Performance Period. Unless otherwise provided in the applicable Performance Goals, Program or Award Agreement, a Holder shall be eligible to receive payment pursuant to such Awards for a Performance Period only if and to the extent the Performance Goals for such period are achieved.

**5.6 Additional Limitations.** Notwithstanding any other provision of the Plan and except as otherwise determined by the Administrator, any Award which is granted to an Eligible Individual and is intended to qualify as Performance-Based Compensation shall be subject to any additional limitations set forth in Section 162(m) of the Code or any regulations or rulings issued thereunder that are requirements for qualification as Performance-Based Compensation, and the Plan and the applicable Program and Award Agreement shall be deemed amended to the extent necessary to conform to such requirements.

## **ARTICLE 6.**

### **GRANTING OF OPTIONS**

**6.1 Granting of Options to Eligible Individuals.** The Administrator is authorized to grant Options to Eligible Individuals from time to time, in its sole discretion, on such terms and conditions as it may determine, which shall not be inconsistent with the Plan.

**6.2 Qualification of Incentive Stock Options.** No Incentive Stock Option shall be granted to any person who is not an Employee of the Company or any subsidiary corporation (as defined in Section 424(f) of the Code) of the Company. No person who qualifies as a Greater Than 10% Stockholder may be granted an Incentive Stock Option unless such Incentive Stock Option conforms to the applicable provisions of Section 422 of the Code. Any Incentive Stock Option granted under the Plan may be modified by the Administrator, with the consent of the Holder, to disqualify such Option from treatment as an "incentive stock option" under Section 422 of the Code. To the extent that the aggregate Fair Market Value of stock with respect to which "incentive stock options" (within the meaning of Section 422 of the Code, but without regard to Section 422(d) of the Code) are exercisable for the first time by a Holder during any calendar year under the Plan, and all other plans of the Company and any parent or subsidiary corporation thereof (each as defined in Section 424(e) and

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424(f) of the Code, respectively), exceeds \$100,000, the Options shall be treated as Non-Qualified Stock Options to the extent required by Section 422 of the Code. The rule set forth in the immediately preceding sentence shall be applied by taking Options and other "incentive stock options" into account in the order in which they were granted and the Fair Market Value of stock shall be determined as of the time the respective options were granted.

6.3 *Option Exercise Price.* The exercise price per Share subject to each Option shall be set by the Administrator, but shall not be less than 100% of the Fair Market Value of a Share on the date the Option is granted (or, as to Incentive Stock Options, on the date the Option is modified, extended or renewed for purposes of Section 424(h) of the Code). In addition, in the case of Incentive Stock Options granted to a Greater Than 10% Stockholder, such price shall not be less than 110% of the Fair Market Value of a Share on the date the Option is granted (or the date the Option is modified, extended or renewed for purposes of Section 424(h) of the Code).

6.4 *Option Term.* The term of each Option (the "*Option Term*") shall be set by the Administrator in its sole discretion; *provided, however*, that the Option Term shall not be more than ten (10) years from the date the Option is granted, or five (5) years from the date an Incentive Stock Option is granted to a Greater Than 10% Stockholder. The Administrator shall determine the time period, including the time period following a Termination of Service, during which the Holder has the right to exercise the vested Options, which time period may not extend beyond the last day of the Option Term. Except as limited by the requirements of Section 409A, the Administrator may extend the Option Term of any outstanding Option, and may extend the time period during which vested Options may be exercised, in connection with any Termination of Service of the Holder, and may amend, subject to Section 14.1, any other term or condition of such Option relating to such a Termination of Service.

6.5 *Option Vesting.*

(a) The period during which the right to exercise, in whole or in part, an Option vests in the Holder shall be set by the Administrator and the Administrator may determine that an Option may not be exercised in whole or in part for a specified period after it is granted. Such vesting may be based on service with the Company or any Subsidiary, any of the Performance Criteria, or any other criteria selected by the Administrator, and, except as limited by the Plan, at any time after the grant of an Option, the Administrator, in its sole discretion and subject to whatever terms and conditions it selects, may accelerate the period during which an Option vests.

(b) No portion of an Option which is unexercisable at a Holder's Termination of Service shall thereafter become exercisable, except as may be otherwise provided by the Administrator either in the applicable Program, the Award Agreement evidencing the grant of an Option, or by action of the Administrator following the grant of the Option. Unless otherwise determined by the Administrator in the Award Agreement or by action of the Administrator following the grant of the Option, the portion of an Option that is unexercisable at a Holder's Termination of Service shall automatically expire thirty (30) days following such Termination of Service.

6.6 *Substitute Awards.* Notwithstanding the foregoing provisions of this Article 6 to the contrary, in the case of an Option that is a Substitute Award, the price per share of the Shares subject to such Option may be less than the Fair Market Value per share on the date of grant; *provided* that the excess of: (a) the aggregate Fair Market Value (as of the date such Substitute Award is granted) of the Shares subject to the Substitute Award, over (b) the aggregate exercise price thereof does not exceed the excess of: (x) the aggregate fair market value (as of the time immediately preceding the transaction giving rise to the Substitute Award, such fair market value to be determined by the Administrator) of the shares of the predecessor entity that were subject to the grant assumed or substituted for by the Company, over (y) the aggregate exercise price of such shares.

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**ARTICLE 7.**

**EXERCISE OF OPTIONS**

7.1 *Partial Exercise.* An exercisable Option may be exercised in whole or in part. However, an Option shall not be exercisable with respect to fractional Shares and the Administrator may require that, by the terms of the Option, a partial exercise must be with respect to a minimum number of Shares.

7.2 *Manner of Exercise.* Unless otherwise indicated in an Award Agreement, all or a portion of an exercisable Option shall be deemed exercised upon delivery of all of the following to the Secretary of the Company, the stock administrator of the Company or such other person or entity designated by the Administrator, or his, her or its office, as applicable:

(a) A written or electronic notice complying with the applicable rules established by the Administrator stating that the Option, or a portion thereof, is exercised. The notice shall be signed by the Holder or other person then entitled to exercise the Option or such portion of the Option;

(b) Such representations and documents as the Administrator, in its sole discretion, deems necessary or advisable to effect compliance with Applicable Law. The Administrator, in its sole discretion, may also take whatever additional actions it deems appropriate to effect such compliance including, without limitation, placing legends on share certificates and issuing stop-transfer notices to agents and registrars;

(c) In the event that the Option shall be exercised pursuant to Section 12.3 by any person or persons other than the Holder, appropriate proof of the right of such person or persons to exercise the Option, as determined in the sole discretion of the Administrator; and

(d) Full payment of the exercise price and applicable withholding taxes to the stock administrator of the Company for the Shares with respect to which the Option, or portion thereof, is exercised, in a manner permitted by Sections 12.1 and 12.2.

7.3 *Notification Regarding Disposition.* The Holder shall give the Company prompt written or electronic notice of any disposition of Shares acquired by exercise of an Incentive Stock Option which occurs within (a) two years from the date of granting (including the date the Option is modified, extended or renewed for purposes of Section 424(h) of the Code) such Option to such Holder, or (b) one year after the transfer of such Shares to such Holder.

**ARTICLE 8.**

**AWARD OF RESTRICTED STOCK**

8.1 *Award of Restricted Stock.*

(a) The Administrator is authorized to grant Restricted Stock to Eligible Individuals, and shall determine the terms and conditions, including the restrictions applicable to each award of Restricted Stock, which terms and conditions shall not be inconsistent with the Plan, and may impose such conditions on the issuance of such Restricted Stock as it deems appropriate.

(b) The Administrator shall establish the purchase price, if any, and form of payment for Restricted Stock; *provided, however*, that if a purchase price is charged, such purchase price shall be no less than the par value, if any, of the Shares to be purchased, unless otherwise permitted by Applicable Law. In all cases, legal consideration shall be required for each issuance of Restricted Stock.

8.2 *Rights as Stockholders.* Subject to Section 8.4, upon issuance of Restricted Stock, the Holder shall have, unless otherwise provided by the Administrator, all the rights of a stockholder with respect

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to said Shares, subject to the restrictions in the applicable Program or in each individual Award Agreement, including the right to receive all dividends and other distributions paid or made with respect to the Shares; *provided, however*, that, in the sole discretion of the Administrator, any extraordinary distributions with respect to the Shares shall be subject to the restrictions set forth in Section 8.3. In addition, with respect to a share of Restricted Stock with performance-based vesting, dividends which are paid prior to vesting shall only be paid out to the Holder to the extent that the performance-based vesting conditions are subsequently satisfied and the share of Restricted Stock vests.

**8.3 Restrictions.** All shares of Restricted Stock (including any shares received by Holders thereof with respect to shares of Restricted Stock as a result of stock dividends, stock splits or any other form of recapitalization) shall, in the terms of the applicable Program or in each individual Award Agreement, be subject to such restrictions and vesting requirements as the Administrator shall provide. Such restrictions may include, without limitation, restrictions concerning voting rights and transferability and such restrictions may lapse separately or in combination at such times and pursuant to such circumstances or based on such criteria as selected by the Administrator, including, without limitation, criteria based on the Holder's duration of employment, directorship or consultancy with the Company, the Performance Criteria, Company performance, individual performance or other criteria selected by the Administrator. By action taken after the Restricted Stock is issued, the Administrator may, on such terms and conditions as it may determine to be appropriate, accelerate the vesting of such Restricted Stock by removing any or all of the restrictions imposed by the terms of the applicable Program or Award Agreement. Restricted Stock may not be sold or encumbered until all restrictions are terminated or expire.

**8.4 Repurchase or Forfeiture of Restricted Stock.** Except as otherwise determined by the Administrator at the time of the grant of the Award or thereafter, if no price was paid by the Holder for the Restricted Stock, upon a Termination of Service during the applicable restriction period, the Holder's rights in unvested Restricted Stock then subject to restrictions shall lapse, and such Restricted Stock shall be surrendered to the Company and cancelled without consideration. If a price was paid by the Holder for the Restricted Stock, upon a Termination of Service during the applicable restriction period, the Company shall have the right to repurchase from the Holder the unvested Restricted Stock then subject to restrictions at a cash price per share equal to the price paid by the Holder for such Restricted Stock or such other amount as may be specified in the applicable Program or Award Agreement. Notwithstanding the foregoing, the Administrator, in its sole discretion, may provide that upon certain events, including a Change in Control, the Holder's death, retirement or disability or any other specified Termination of Service or any other event, the Holder's rights in unvested Restricted Stock shall not lapse, such Restricted Stock shall vest and, if applicable, the Company shall not have a right of repurchase.

**8.5 Certificates for Restricted Stock.** Restricted Stock granted pursuant to the Plan may be evidenced in such manner as the Administrator shall determine. Certificates or book entries evidencing shares of Restricted Stock shall include an appropriate legend referring to the terms, conditions, and restrictions applicable to such Restricted Stock. The Company, in its sole discretion, may (a) retain physical possession of any stock certificate evidencing shares of Restricted Stock until the restrictions thereon shall have lapsed and/or (b) require that the stock certificates evidencing shares of Restricted Stock be held in custody by a designated escrow agent (which may but need not be the Company) until the restrictions thereon shall have lapsed, and that the Holder deliver a stock power, endorsed in blank, relating to such Restricted Stock.

**8.6 Section 83(b) Election.** If a Holder makes an election under Section 83(b) of the Code to be taxed with respect to the Restricted Stock as of the date of transfer of the Restricted Stock rather than as of the date or dates upon which the Holder would otherwise be taxable under Section 83(a) of the Code, the Holder shall be required to deliver a copy of such election to the Company promptly after

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filing such election with the Internal Revenue Service along with proof of the timely filing thereof with the Internal Revenue Service.

**ARTICLE 9.**

**AWARD OF RESTRICTED STOCK UNITS**

9.1 *Grant of Restricted Stock Units.* The Administrator is authorized to grant Awards of Restricted Stock Units to any Eligible Individual selected by the Administrator in such amounts and subject to such terms and conditions as determined by the Administrator.

9.2 *Term.* Except as otherwise provided herein, the term of a Restricted Stock Unit award shall be set by the Administrator in its sole discretion.

9.3 *Purchase Price.* The Administrator shall specify the purchase price, if any, to be paid by the Holder to the Company with respect to any Restricted Stock Unit award; *provided, however*, that value of the consideration shall not be less than the par value of a Share, unless otherwise permitted by Applicable Law.

9.4 *Vesting of Restricted Stock Units.* At the time of grant, the Administrator shall specify the date or dates on which the Restricted Stock Units shall become fully vested and nonforfeitable, and may specify such conditions to vesting as it deems appropriate, including, without limitation, vesting based upon the Holder's duration of service to the Company or any Subsidiary, one or more Performance Criteria, Company performance, individual performance or other specific criteria, in each case on a specified date or dates or over any period or periods, as determined by the Administrator.

9.5 *Maturity and Payment.* At the time of grant, the Administrator shall specify the maturity date applicable to each grant of Restricted Stock Units, which shall be no earlier than the vesting date or dates of the Award and may be determined at the election of the Holder (if permitted by the applicable Award Agreement); *provided* that, except as otherwise determined by the Administrator, set forth in any applicable Award Agreement, and subject to compliance with Section 409A of the Code, in no event shall the maturity date relating to each Restricted Stock Unit occur following the later of (a) the 15<sup>th</sup> day of the third month following the end of calendar year in which the applicable portion of the Restricted Stock Unit vests; or (b) the 15<sup>th</sup> day of the third month following the end of the Company's fiscal year in which the applicable portion of the Restricted Stock Unit vests. On the maturity date, the Company shall, subject to Section 12.4(e), transfer to the Holder one unrestricted, fully transferable Share for each Restricted Stock Unit scheduled to be paid out on such date and not previously forfeited, or in the sole discretion of the Administrator, an amount in cash equal to the Fair Market Value of such Shares on the maturity date or a combination of cash and Common Stock as determined by the Administrator.

9.6 *Payment upon Termination of Service.* An Award of Restricted Stock Units shall only be payable while the Holder is an Employee, a Consultant or a member of the Board, as applicable; *provided, however*, that the Administrator, in its sole discretion, may provide (in an Award Agreement or otherwise) that a Restricted Stock Unit award may be paid subsequent to a Termination of Service in certain events, including a Change in Control, the Holder's death, retirement or disability or any other specified Termination of Service.

9.7 *No Rights as a Stockholder.* Unless otherwise determined by the Administrator, a Holder of Restricted Stock Units shall possess no incidents of ownership with respect to the Shares represented by such Restricted Stock Units, unless and until such Shares are transferred to the Holder pursuant to the terms of this Plan and the Award Agreement.



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**ARTICLE 10.**

**AWARD OF PERFORMANCE AWARDS, DIVIDEND EQUIVALENTS AND STOCK PAYMENTS**

**10.1 *Performance Awards.***

(a) The Administrator is authorized to grant Performance Awards, including Awards of Performance Stock Units, to any Eligible Individual and to determine whether such Performance Awards shall be Performance-Based Compensation. The value of Performance Awards, including Performance Stock Units, may be linked to any one or more of the Performance Criteria or other specific criteria determined by the Administrator, in each case on a specified date or dates or over any period or periods and in such amounts as may be determined by the Administrator. Performance Awards, including Performance Stock Unit awards may be paid in cash, Shares, or a combination of cash and Shares, as determined by the Administrator.

(b) Without limiting Section 10.1(a), the Administrator may grant Performance Awards to any Eligible Individual in the form of a cash bonus payable upon the attainment of objective Performance Goals, or such other criteria, whether or not objective, which are established by the Administrator, in each case on a specified date or dates or over any period or periods determined by the Administrator. Any such bonuses paid to a Holder which are intended to be Performance-Based Compensation shall be based upon objectively determinable bonus formulas established in accordance with the provisions of Article 5.

**10.2 *Dividend Equivalents.***

Dividend Equivalents may be granted by the Administrator based on dividends declared on the Common Stock, to be credited as of dividend payment dates with respect to dividends with record dates that occur during the period between the date an Award is granted to a Holder and the date such Award vests, is exercised, is distributed or expires, as determined by the Administrator. Such Dividend Equivalents shall be converted to cash or additional Shares by such formula and at such time and subject to such restrictions and limitations as may be determined by the Administrator. In addition, Dividend Equivalents with respect to an Award with performance-based vesting that are based on dividends paid prior to the vesting of such Award shall only be paid out to the Holder to the extent that the performance-based vesting conditions are subsequently satisfied and the Award vests.

**10.3 *Stock Payments.*** The Administrator is authorized to make Stock Payments to any Eligible Individual. The number or value of Shares of any Stock Payment shall be determined by the Administrator and may be based upon one or more Performance Criteria or any other specific criteria, including service to the Company or any Subsidiary, determined by the Administrator. Shares underlying a Stock Payment which is subject to a vesting schedule or other conditions or criteria set by the Administrator shall not be issued until those conditions have been satisfied. Unless otherwise provided by the Administrator, a Holder of a Stock Payment shall have no rights as a Company stockholder with respect to such Stock Payment until such time as the Stock Payment has vested and the Shares underlying the Award have been issued to the Holder. Stock Payments may, but are not required to, be made in lieu of base salary, bonus, fees or other cash compensation otherwise payable to such Eligible Individual.

**10.4 *Term.*** The term of a Performance Award, Dividend Equivalent award and/or Stock Payment award shall be established by the Administrator in its sole discretion.

**10.5 *Purchase Price.*** The Administrator may establish the purchase price of a Performance Award or Shares distributed as a Stock Payment award; *provided, however*, that value of the consideration shall not be less than the par value of a Share, unless otherwise permitted by Applicable Law.

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10.6 *Termination of Service.* A Performance Award, Stock Payment award, and/or Dividend Equivalent award is distributable only while the Holder is an Employee, Director or Consultant, as applicable. The Administrator, however, in its sole discretion, may provide that the Performance Award, Dividend Equivalent award, and/or Stock Payment award may be distributed subsequent to a Termination of Service in certain events, including a Change in Control, the Holder's death, retirement or disability or any other specified Termination of Service.

**ARTICLE 11.**

**AWARD OF STOCK APPRECIATION RIGHTS**

11.1 *Grant of Stock Appreciation Rights.*

(a) The Administrator is authorized to grant Stock Appreciation Rights to Eligible Individuals from time to time, in its sole discretion, on such terms and conditions as it may determine, which shall not be inconsistent with the Plan.

(b) A Stock Appreciation Right shall entitle the Holder (or other person entitled to exercise the Stock Appreciation Right pursuant to the Plan) to exercise all or a specified portion of the Stock Appreciation Right (to the extent then exercisable pursuant to its terms) and to receive from the Company an amount determined by multiplying the difference obtained by subtracting the exercise price per share of the Stock Appreciation Right from the Fair Market Value on the date of exercise of the Stock Appreciation Right by the number of Shares with respect to which the Stock Appreciation Right shall have been exercised, subject to any limitations the Administrator may impose. Except as described in (c) below, the exercise price per Share subject to each Stock Appreciation Right shall be set by the Administrator, but shall not be less than 100% of the Fair Market Value on the date the Stock Appreciation Right is granted.

(c) Notwithstanding the foregoing provisions of Section 11.1(b) to the contrary, in the case of a Stock Appreciation Right that is a Substitute Award, the price per share of the Shares subject to such Stock Appreciation Right may be less than 100% of the Fair Market Value per share on the date of grant; *provided* that the excess of: (i) the aggregate Fair Market Value (as of the date such Substitute Award is granted) of the Shares subject to the Substitute Award, over (ii) the aggregate exercise price thereof does not exceed the excess of: (x) the aggregate fair market value (as of the time immediately preceding the transaction giving rise to the Substitute Award, such fair market value to be determined by the Administrator) of the shares of the predecessor entity that were subject to the grant assumed or substituted for by the Company, over (y) the aggregate exercise price of such shares.

11.2 *Stock Appreciation Right Vesting.*

(a) The period during which the right to exercise, in whole or in part, a Stock Appreciation Right vests in the Holder shall be set by the Administrator and the Administrator may determine that a Stock Appreciation Right may not be exercised in whole or in part for a specified period after it is granted. Such vesting may be based on service with the Company or any Subsidiary, any of the Performance Criteria, or any other criteria selected by the Administrator. Except as limited by the Plan, at any time after grant of a Stock Appreciation Right, the Administrator, in its sole discretion and subject to whatever terms and conditions it selects, may accelerate the period during which a Stock Appreciation Right vests.

(b) No portion of a Stock Appreciation Right which is unexercisable at a Holder's Termination of Service shall thereafter become exercisable, except as may be otherwise provided by the Administrator in the applicable Program, the Award Agreement evidencing the grant of a Stock Appreciation Right, or by action of the Administrator following the grant of the Stock Appreciation Right.

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11.3 *Manner of Exercise.* All or a portion of an exercisable Stock Appreciation Right shall be deemed exercised upon delivery of all of the following to the Secretary of the Company, the stock administrator of the Company, or such other person or entity designated by the Administrator, or his, her or its office, as applicable:

(a) A written or electronic notice complying with the applicable rules established by the Administrator stating that the Stock Appreciation Right, or a portion thereof, is exercised. The notice shall be signed by the Holder or other person then entitled to exercise the Stock Appreciation Right or such portion of the Stock Appreciation Right;

(b) Such representations and documents as the Administrator, in its sole discretion, deems necessary or advisable to effect compliance with Applicable Law. The Administrator, in its sole discretion, may also take whatever additional actions it deems appropriate to effect such compliance, including, without limitation, placing legends on share certificates and issuing stop-transfer notices to agents and registrars;

(c) In the event that the Stock Appreciation Right shall be exercised pursuant to this Section 11.3 by any person or persons other than the Holder, appropriate proof of the right of such person or persons to exercise the Stock Appreciation Right, as determined in the sole discretion of the Administrator; and

(d) Full payment of the exercise price and applicable withholding taxes to the stock administrator of the Company for the Shares with respect to which the Stock Appreciation Right, or portion thereof, is exercised, in a manner permitted by Sections 12.1 and 12.2.

11.4 *Stock Appreciation Right Term.* The term of each Stock Appreciation Right (the "*Stock Appreciation Right Term*") shall be set by the Administrator in its sole discretion; *provided, however*, that the Stock Appreciation Right Term shall not be more than ten (10) years from the date the Stock Appreciation Right is granted. The Administrator shall determine the time period, including the time period following a Termination of Service, during which the Holder has the right to exercise the vested Stock Appreciation Rights, which time period may not extend beyond the last day of the Stock Appreciation Right Term applicable to such Stock Appreciation Right. Except as limited by the requirements of Section 409A of the Code and regulations and rulings thereunder or the first sentence of this Section 11.4, the Administrator may extend the Stock Appreciation Right Term of any outstanding Stock Appreciation Right, and may extend the time period during which vested Stock Appreciation Rights may be exercised, in connection with any Termination of Service of the Holder, and may amend, subject to Section 14.1, any other term or condition of such Stock Appreciation Right relating to such a Termination of Service.

11.5 *Payment.* Payment of the amounts payable with respect to Stock Appreciation Rights pursuant to this Article 11 shall be in cash, Shares (based on its Fair Market Value as of the date the Stock Appreciation Right is exercised), or a combination of both, as determined by the Administrator.

## ARTICLE 12.

### ADDITIONAL TERMS OF AWARDS

12.1 *Payment.* The Administrator shall determine the methods by which payments by any Holder with respect to any Awards granted under the Plan shall be made, including, without limitation: (a) cash or check, (b) Shares (including, in the case of payment of the exercise price of an Award, Shares issuable pursuant to the exercise of the Award) or Shares held for such period of time as may be required by the Administrator in order to avoid adverse accounting consequences, in each case, having a Fair Market Value on the date of delivery equal to the aggregate payments required, (c) delivery of a written or electronic notice that the Holder has placed a market sell order with a broker acceptable to the Company with respect to Shares then issuable upon exercise or vesting of an

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Award, and that the broker has been directed to pay a sufficient portion of the net proceeds of the sale to the Company in satisfaction of the aggregate payments required; *provided* that payment of such proceeds is then made to the Company upon settlement of such sale, or (d) any other form of legal consideration acceptable to the Administrator in its sole discretion. The Administrator shall also determine the methods by which Shares shall be delivered or deemed to be delivered to Holders. Notwithstanding any other provision of the Plan to the contrary, no Holder who is a Director or an "executive officer" of the Company within the meaning of Section 13(k) of the Exchange Act shall be permitted to make payment with respect to any Awards granted under the Plan, or continue any extension of credit with respect to such payment, with a loan from the Company or a loan arranged by the Company in violation of Section 13(k) of the Exchange Act.

**12.2 Tax Withholding.** The Company or any Subsidiary shall have the authority and the right to deduct or withhold, or require a Holder to remit to the Company, an amount sufficient to satisfy federal, state, local and foreign taxes (including the Holder's FICA, employment tax or other social security contribution obligation) required by law to be withheld with respect to any taxable event concerning a Holder arising as a result of the Plan. The Administrator, in its sole discretion and in satisfaction of the foregoing requirement, may withhold, or allow a Holder to elect to have the Company withhold, Shares otherwise issuable under an Award (or allow the surrender of Shares). The number of Shares which may be so withheld or surrendered shall be limited to the number of Shares which have a fair market value on the date of withholding or repurchase equal to the aggregate amount of such liabilities based on the minimum statutory withholding rates for federal, state, local and foreign income tax and payroll tax purposes that are applicable to such supplemental taxable income. The Administrator shall determine the fair market value of the Shares, consistent with applicable provisions of the Code, for tax withholding obligations due in connection with a broker-assisted cashless Option or Stock Appreciation Right exercise involving the sale of Shares to pay the Option or Stock Appreciation Right exercise price or any tax withholding obligation.

**12.3 Transferability of Awards.**

(a) Except as otherwise provided in Section 12.3(b) and 12.3(c):

(i) No Award under the Plan may be sold, pledged, assigned or transferred in any manner other than by will or the laws of descent and distribution or, subject to the consent of the Administrator, pursuant to a DRO, unless and until such Award has been exercised, or the Shares underlying such Award have been issued, and all restrictions applicable to such Shares have lapsed;

(ii) No Award or interest or right therein shall be liable for the debts, contracts or engagements of the Holder or the Holder's successors in interest or shall be subject to disposition by transfer, alienation, anticipation, pledge, hypothecation, encumbrance, assignment or any other means whether such disposition be voluntary or involuntary or by operation of law by judgment, levy, attachment, garnishment or any other legal or equitable proceedings (including bankruptcy), and any attempted disposition thereof shall be null and void and of no effect, except to the extent that such disposition is permitted by Section 12.3(a)(i); and

(iii) During the lifetime of the Holder, only the Holder may exercise an Award (or any portion thereof) granted to such Holder under the Plan, unless it has been disposed of pursuant to a DRO; after the death of the Holder, any exercisable portion of an Award may, prior to the time when such portion becomes unexercisable under the Plan or the applicable Program or Award Agreement, be exercised by the Holder's personal representative or by any person empowered to do so under the deceased Holder's will or under the then-applicable laws of descent and distribution.

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(b) Notwithstanding Section 12.3(a), the Administrator, in its sole discretion, may determine to permit a Holder to transfer an Award other than an Incentive Stock Option to any one or more Permitted Transferees, subject to the following terms and conditions: (i) an Award transferred to a Permitted Transferee shall not be assignable or transferable by the Permitted Transferee other than by will or the laws of descent and distribution or pursuant to a DRO; (ii) an Award transferred to a Permitted Transferee shall continue to be subject to all the terms and conditions of the Award as applicable to the original Holder (other than the ability to further transfer the Award); and (iii) the Holder and the Permitted Transferee shall execute any and all documents requested by the Administrator, including, without limitation documents to (A) confirm the status of the transferee as a Permitted Transferee, (B) satisfy any requirements for an exemption for the transfer under Applicable Law and (C) evidence the transfer.

(c) Notwithstanding Section 12.3(a), a Holder may, in the manner determined by the Administrator, designate a beneficiary to exercise the rights of the Holder and to receive any distribution with respect to any Award upon the Holder's death. A beneficiary, legal guardian, legal representative, or other person claiming any rights pursuant to the Plan is subject to all terms and conditions of the Plan and any Program or Award Agreement applicable to the Holder, except to the extent the Plan, the Program and the Award Agreement otherwise provide, and to any additional restrictions deemed necessary or appropriate by the Administrator. If the Holder is married or a domestic partner in a domestic partnership qualified under Applicable Law and resides in a community property state, a designation of a person other than the Holder's spouse or domestic partner, as applicable, as the Holder's beneficiary with respect to more than 50% of the Holder's interest in the Award shall not be effective without the prior written or electronic consent of the Holder's spouse or domestic partner. If no beneficiary has been designated or survives the Holder, payment shall be made to the person entitled thereto pursuant to the Holder's will or the laws of descent and distribution. Subject to the foregoing, a beneficiary designation may be changed or revoked by a Holder at any time; *provided* that the change or revocation is filed with the Administrator prior to the Holder's death.

12.4 *Conditions to Issuance of Shares.*

(a) Notwithstanding anything herein to the contrary, the Company shall not be required to issue or deliver any certificates or make any book entries evidencing Shares pursuant to the exercise of any Award, unless and until the Board or the Committee has determined, with advice of counsel, that the issuance of such Shares is in compliance with Applicable Law and the Shares are covered by an effective registration statement or applicable exemption from registration. In addition to the terms and conditions provided herein, the Board or the Committee may require that a Holder make such reasonable covenants, agreements and representations as the Board or the Committee, in its sole discretion, deems advisable in order to comply with Applicable Law.

(b) All share certificates delivered pursuant to the Plan and all Shares issued pursuant to book entry procedures are subject to any stop-transfer orders and other restrictions as the Administrator deems necessary or advisable to comply with Applicable Law. The Administrator may place legends on any share certificate or book entry to reference restrictions applicable to the Shares.

(c) The Administrator shall have the right to require any Holder to comply with any timing or other restrictions with respect to the settlement, distribution or exercise of any Award, including a window-period limitation, as may be imposed in the sole discretion of the Administrator.

(d) No fractional Shares shall be issued and the Administrator, in its sole discretion, shall determine whether cash shall be given in lieu of fractional Shares or whether such fractional Shares shall be eliminated by rounding down.

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(e) Notwithstanding any other provision of the Plan, unless otherwise determined by the Administrator or required by Applicable Law, the Company shall not deliver to any Holder certificates evidencing Shares issued in connection with any Award and instead such Shares shall be recorded in the books of the Company (or, as applicable, its transfer agent or stock plan administrator).

**12.5 Forfeiture and Claw-Back Provisions.** Pursuant to its general authority to determine the terms and conditions applicable to Awards under the Plan, the Administrator shall have the right to provide, in an Award Agreement or otherwise, or to require a Holder to agree by separate written or electronic instrument, that: (i) Any proceeds, gains or other economic benefit actually or constructively received by the Holder upon any receipt or exercise of the Award, or upon the receipt or resale of any Shares underlying the Award, shall be paid to the Company, and (ii) the Award shall terminate and any unexercised portion of the Award (whether or not vested) shall be forfeited, if (x) a Termination of Service occurs prior to a specified date, or within a specified time period following receipt or exercise of the Award, or (y) the Holder at any time, or during a specified time period, engages in any activity in competition with the Company, or which is inimical, contrary or harmful to the interests of the Company, as further defined by the Administrator or (z) the Holder incurs a Termination of Service for "cause" (as such term is defined in the sole discretion of the Administrator, or as set forth in a written agreement relating to such Award between the Company and the Holder). All Awards (including any proceeds, gains or other economic benefit actually or constructively received by the Holder upon any receipt or exercise of any Award or upon the receipt or resale of any Shares underlying the Award) shall be subject to the provisions of any claw-back policy implemented by the Company, including, without limitation, any claw-back policy adopted to comply with the requirements of Applicable Law, including without limitation the Dodd-Frank Wall Street Reform and Consumer Protection Act and any rules or regulations promulgated thereunder, to the extent set forth in such claw-back policy and/or in the applicable Award Agreement.

**12.6 Prohibition on Repricing.** Subject to Section 14.2, the Administrator shall not, without the approval of the stockholders of the Company, (i) authorize the amendment of any outstanding Option or Stock Appreciation Right to reduce its price per share, or (ii) cancel any Option or Stock Appreciation Right in exchange for cash or another Award when the Option or Stock Appreciation Right price per share exceeds the Fair Market Value of the underlying Shares. Subject to Section 14.2, the Administrator shall have the authority, without the approval of the stockholders of the Company, to amend any outstanding Award to increase the price per share or to cancel and replace an Award with the grant of an Award having a price per share that is greater than or equal to the price per share of the original Award. Furthermore, for purposes of this Section 12.6, except in connection with a corporate transaction involving the Company (including, without limitation, any stock dividend, stock split, extraordinary cash dividend, recapitalization, reorganization, merger, consolidation, split-up, spin-off, combination or exchange of shares), the terms of outstanding Awards may not be amended to reduce the exercise price per share of outstanding Options or Stock Appreciation Rights or cancel outstanding Options or Stock Appreciation Rights in exchange for cash, other Awards or Options or Stock Appreciation Rights with an exercise price per share that is less than the exercise price per share of the original Options or Stock Appreciation Rights without the approval of the stockholders of the Company.

**12.7 Minimum Vesting Provision.** Notwithstanding any other provision of the Plan to the contrary, Awards (other than cash-settled Awards) made to Employees, Directors or Consultants shall not vest earlier than the date that is one year following the date the Award is approved by the Administrator; provided, however, that, notwithstanding the foregoing, Awards that result in the issuance of an aggregate of up to 5% of the Shares available pursuant to Section 3.1 may be granted to any one or more Employees, Directors or Consultants without respect to such minimum vesting provision.

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**ARTICLE 13.**

**ADMINISTRATION**

13.1 *Administrator.* The Committee (or another committee or a subcommittee of the Board assuming the functions of the Committee under the Plan) shall administer the Plan (except as otherwise permitted herein). To the extent necessary to comply with Rule 16b-3 of the Exchange Act, and with respect to Awards that are intended to be Performance-Based Compensation, including Options and Stock Appreciation Rights, the Committee (or another committee or subcommittee of the Board assuming the functions of the Committee under the Plan) shall take all action with respect to such Awards, and the individuals taking such action shall consist solely of two or more Non-Employee Directors appointed by and holding office at the pleasure of the Board, each of whom is intended to qualify as both a "non-employee director" as defined by Rule 16b-3 of the Exchange Act or any successor rule and an "outside director" for purposes of Section 162(m) of the Code. Additionally, to the extent required by Applicable Law, each of the individuals constituting the Committee (or another committee or subcommittee of the Board assuming the functions of the Committee under the Plan) shall be an "independent director" under the rules of any securities exchange or automated quotation system on which the Shares are listed, quoted or traded. Notwithstanding the foregoing, any action taken by the Committee shall be valid and effective, whether or not members of the Committee at the time of such action are later determined not to have satisfied the requirements for membership set forth in this Section 13.1 or otherwise provided in any charter of the Committee. Except as may otherwise be provided in any charter of the Committee, appointment of Committee members shall be effective upon acceptance of appointment. Committee members may resign at any time by delivering written or electronic notice to the Board. Vacancies in the Committee may only be filled by the Board. Notwithstanding the foregoing, (a) the full Board, acting by a majority of its members in office, shall conduct the general administration of the Plan with respect to Awards granted to Non-Employee Directors and, with respect to such Awards, the terms "Administrator" and "Committee" as used in the Plan shall be deemed to refer to the Board and (b) the Board or Committee may delegate its authority hereunder to the extent permitted by Section 13.6.

13.2 *Duties and Powers of Committee.* It shall be the duty of the Committee to conduct the general administration of the Plan in accordance with its provisions. The Committee shall have the power to interpret the Plan, the Program and the Award Agreement, and to adopt such rules for the administration, interpretation and application of the Plan as are not inconsistent therewith, to interpret, amend or revoke any such rules and to amend any Program or Award Agreement; *provided* that the rights or obligations of the Holder of the Award that is the subject of any such Program or Award Agreement are not affected adversely by such amendment, unless the consent of the Holder is obtained or such amendment is otherwise permitted under Section 12.5 or Section 14.10. Any such grant or award under the Plan need not be the same with respect to each Holder. Any such interpretations and rules with respect to Incentive Stock Options shall be consistent with the provisions of Section 422 of the Code. In its sole discretion, the Board may at any time and from time to time exercise any and all rights and duties of the Committee under the Plan except with respect to matters which under Rule 16b-3 under the Exchange Act or any successor rule, or Section 162(m) of the Code, or any regulations or rules issued thereunder, or the rules of any securities exchange or automated quotation system on which the Shares are listed, quoted or traded are required to be determined in the sole discretion of the Committee.

13.3 *Action by the Committee.* Unless otherwise established by the Board or in any charter of the Committee, a majority of the Committee shall constitute a quorum and the acts of a majority of the members present at any meeting at which a quorum is present, and acts approved in writing by all members of the Committee in lieu of a meeting, shall be deemed the acts of the Committee. Each member of the Committee is entitled to, in good faith, rely or act upon any report or other information furnished to that member by any officer or other employee of the Company or any Subsidiary, the

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Company's independent certified public accountants, or any executive compensation consultant or other professional retained by the Company to assist in the administration of the Plan.

13.4 *Authority of Administrator.* Subject to the Company's Bylaws, the Committee's Charter and any specific designation in the Plan, the Administrator has the exclusive power, authority and sole discretion to:

- (a) Designate Eligible Individuals to receive Awards;
- (b) Determine the type or types of Awards to be granted to each Eligible Individual;
- (c) Determine the number of Awards to be granted and the number of Shares to which an Award will relate;
- (d) Determine the terms and conditions of any Award granted pursuant to the Plan, including, but not limited to, the exercise price, grant price, purchase price, any Performance Criteria, any reload provision, any restrictions or limitations on the Award, any schedule for vesting, lapse of forfeiture restrictions or restrictions on the exercisability of an Award, and accelerations or waivers thereof, and any provisions related to non-competition and recapture of gain on an Award, based in each case on such considerations as the Administrator in its sole discretion determines;
- (e) Determine whether, to what extent, and pursuant to what circumstances an Award may be settled in, or the exercise price of an Award may be paid in cash, Shares, other Awards, or other property, or an Award may be canceled, forfeited, or surrendered;
- (f) Prescribe the form of each Award Agreement, which need not be identical for each Holder;
- (g) Decide all other matters that must be determined in connection with an Award;
- (h) Establish, adopt, or revise any rules and regulations as it may deem necessary or advisable to administer the Plan;
- (i) Interpret the terms of, and any matter arising pursuant to, the Plan, any Program or any Award Agreement;
- (j) Make all other decisions and determinations that may be required pursuant to the Plan or as the Administrator deems necessary or advisable to administer the Plan; and
- (k) Accelerate wholly or partially the vesting or lapse of restrictions of any Award or portion thereof at any time after the grant of an Award, subject to whatever terms and conditions it selects and Section 14.2.

13.5 *Decisions Binding.* The Administrator's interpretation of the Plan, any Awards granted pursuant to the Plan, any Program, any Award Agreement and all decisions and determinations by the Administrator with respect to the Plan are final, binding and conclusive on all parties.

13.6 *Delegation of Authority.* To the extent permitted by Applicable Law, the Board or Committee may from time to time delegate to a committee of one or more members of the Board or one or more officers of the Company the authority to grant or amend Awards or to take other administrative actions pursuant to this Article 13; *provided, however*, that in no event shall an officer of the Company be delegated the authority to grant awards to, or amend awards held by, the following individuals: (a) individuals who are subject to Section 16 of the Exchange Act, (b) Covered Employees or (c) officers of the Company (or Directors) to whom authority to grant or amend Awards has been delegated hereunder; *provided, further*, that any delegation of administrative authority shall only be permitted to the extent it is permissible under Section 162(m) of the Code and other Applicable Law. Any delegation hereunder shall be subject to the restrictions and limits that the Board or Committee



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specifies at the time of such delegation, and the Board may at any time rescind the authority so delegated or appoint a new delegatee. At all times, the delegatee appointed under this Section 13.6 shall serve in such capacity at the pleasure of the Board and the Committee.

**ARTICLE 14.**

**MISCELLANEOUS PROVISIONS**

**14.1 *Amendment, Suspension or Termination of the Plan.*** Except as otherwise provided in this Section 14.1, the Plan may be wholly or partially amended or otherwise modified, suspended or terminated at any time or from time to time by the Board or the Committee. However, without approval of the Company's stockholders given within twelve (12) months before or after the action by the Administrator, no action of the Administrator may, except as provided in Section 14.2, (a) increase the limits imposed in Section 3.1 on the maximum number of Shares which may be issued under the Plan, (b) reduce the price per share of any outstanding Option or Stock Appreciation Right granted under the Plan or take any action prohibited under Section 12.6, or (c) cancel any Option or Stock Appreciation Right in exchange for cash or another Award when the Option or Stock Appreciation Right price per share exceeds the Fair Market Value of the underlying Shares. Except as provided in Section 12.5 and Section 14.10, no amendment, suspension or termination of the Plan shall, without the consent of the Holder, impair any rights or obligations under any Award theretofore granted or awarded, unless the Award itself otherwise expressly so provides. No Awards may be granted or awarded during any period of suspension or after termination of the Plan, and notwithstanding anything herein to the contrary, in no event may any Award be granted under the Plan after April 15, 2026 (the "*Expiration Date*"). Any Awards that are outstanding on the Expiration Date shall remain in force according to the terms of the Plan and the applicable Award Agreement.

**14.2 *Changes in Common Stock or Assets of the Company, Acquisition or Liquidation of the Company and Other Corporate Events.***

(a) In the event of any stock dividend, stock split, combination or exchange of shares, merger, consolidation or other distribution (other than normal cash dividends) of Company assets to stockholders, or any other change affecting the Shares of the Company's stock or the share price of the Company's stock other than an Equity Restructuring, the Administrator may make equitable adjustments, if any, to reflect such change with respect to: (i) the aggregate number and kind of Shares that may be issued under the Plan (including, but not limited to, adjustments of the limitations in Sections 3.1 and 3.3 on the maximum number and kind of Shares which may be issued under the Plan, and adjustments of the Award Limit, and adjustments of the manner in which shares subject to Full Value Awards will be counted); (ii) the number and kind of Shares (or other securities or property) subject to outstanding Awards; (iii) the terms and conditions of any outstanding Awards (including, without limitation, any applicable performance targets or criteria with respect thereto); and (iv) the grant or exercise price per share for any outstanding Awards under the Plan. Any adjustment affecting an Award intended as Performance-Based Compensation shall be made consistent with the requirements of Section 162(m) of the Code.

(b) In the event of any transaction or event described in Section 14.2(a) or any unusual or nonrecurring transactions or events affecting the Company, any Subsidiary of the Company, or the financial statements of the Company or any Subsidiary, or of changes in Applicable Law or accounting principles, the Administrator, in its sole discretion, and on such terms and conditions as it deems appropriate, either by the terms of the Award or by action taken prior to the occurrence of such transaction or event and either automatically or upon the Holder's request, is hereby authorized to take any one or more of the following actions whenever the Administrator determines that such action is appropriate in order to prevent dilution or enlargement of the benefits or potential benefits intended to be made available under the Plan or with respect to any

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Award under the Plan, to facilitate such transactions or events or to give effect to such changes in laws, regulations or principles:

(i) To provide for either (A) termination of any such Award in exchange for an amount of cash, if any, equal to the amount that would have been attained upon the exercise of such Award or realization of the Holder's rights (and, for the avoidance of doubt, if as of the date of the occurrence of the transaction or event described in this Section 14.2 the Administrator determines in good faith that no amount would have been attained upon the exercise of such Award or realization of the Holder's rights, then such Award may be terminated by the Company without payment) or (B) the replacement of such Award with other rights or property selected by the Administrator, in its sole discretion, having an aggregate value not exceeding the amount that could have been attained upon the exercise of such Award or realization of the Holder's rights had such Award been currently exercisable or payable or fully vested;

(ii) To provide that such Award be assumed by the successor or survivor corporation, or a parent or subsidiary thereof, or shall be substituted for by similar options, rights or awards covering the stock of the successor or survivor corporation, or a parent or subsidiary thereof, with appropriate adjustments as to the number and kind of shares and prices;

(iii) To make adjustments in the number and type of Shares of the Company's stock (or other securities or property) subject to outstanding Awards, and in the number and kind of outstanding Restricted Stock and/or in the terms and conditions of (including the grant or exercise price), and the criteria included in, outstanding Awards and Awards which may be granted in the future;

(iv) To provide that such Award shall be exercisable or payable or fully vested with respect to all Shares covered thereby, notwithstanding anything to the contrary in the Plan or the applicable Program or Award Agreement; and

(v) To provide that the Award cannot vest, be exercised or become payable after such event.

(c) In connection with the occurrence of any Equity Restructuring, and notwithstanding anything to the contrary in Section 14.2(a) and 14.2(b):

(i) The number and type of securities subject to each outstanding Award and/or the exercise price or grant price thereof, if applicable, shall be equitably adjusted; and/or

(ii) The Administrator shall make such equitable adjustments, if any, as the Administrator, in its sole discretion, may deem appropriate to reflect such Equity Restructuring with respect to the aggregate number and kind of Shares that may be issued under the Plan (including, but not limited to, adjustments of the limitations in Sections 3.1 and 3.3 on the maximum number and kind of Shares which may be issued under the Plan, adjustments of the Award Limit, and adjustments of the manner in which Shares subject to Full Value Awards will be counted). The adjustments provided under this Section 14.2(c) shall be nondiscretionary and shall be final and binding on the affected Holder and the Company.

(d) Notwithstanding any other provision of the Plan, in the event of a Change in Control, each outstanding Award shall continue in effect or be assumed or an equivalent Award substituted by the successor corporation or a parent or subsidiary of the successor corporation.

(e) In the event that the successor corporation in a Change in Control refuses to assume or substitute for the Award, the Administrator may cause any or all of such Awards to become fully exercisable immediately prior to the consummation of such transaction and all forfeiture restrictions on any or all of such Awards to lapse. If an Award is exercisable in lieu of assumption

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or substitution in the event of a Change in Control, the Administrator shall notify the Holder that the Award shall be fully exercisable for a period of fifteen (15) days from the date of such notice, contingent upon the occurrence of the Change in Control, and the Award shall terminate upon the expiration of such period.

(f) For the purposes of this Section 14.2, an Award shall 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 consideration (whether stock, cash, or other securities or property) received in the Change in Control by holders of Common Stock for each Share held on the effective date of the transaction (and if holders were offered a choice of consideration, the type of consideration chosen by the holders of a majority of the outstanding Shares); *provided, however*, that if such consideration received in the Change in Control was not solely common 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 upon the exercise of the Award, for each Share subject to an Award, to be solely common stock of the successor corporation or its parent equal in fair market value to the per-share consideration received by holders of Common Stock in the Change in Control.

(g) The Administrator, in its sole discretion, may include such further provisions and limitations in any Award, agreement or certificate, as it may deem equitable and in the best interests of the Company that are not inconsistent with the provisions of the Plan.

(h) With respect to Awards which are granted to Covered Employees and are intended to qualify as Performance-Based Compensation, no adjustment or action described in this Section 14.2 or in any other provision of the Plan shall be authorized to the extent that such adjustment or action would cause such Award to fail to so qualify as Performance-Based Compensation, unless the Administrator determines that the Award should not so qualify. No adjustment or action described in this Section 14.2 or in any other provision of the Plan shall be authorized to the extent that such adjustment or action would cause the Plan to violate Section 422(b)(1) of the Code. Furthermore, no such adjustment or action shall be authorized to the extent such adjustment or action would result in short-swing profits liability under Section 16 or violate the exemptive conditions of Rule 16b-3 unless the Administrator determines that the Award is not to comply with such exemptive conditions.

(i) The existence of the Plan, the Program, the Award Agreement and the Awards granted hereunder shall not affect or restrict in any way the right or power of the Company or the stockholders of the Company to make or authorize any adjustment, recapitalization, reorganization or other change in the Company's capital structure or its business, any merger or consolidation of the Company, any issue of stock or of options, warrants or rights to purchase stock or of bonds, debentures, preferred or prior preference stocks whose rights are superior to or affect the Common Stock or the rights thereof or which are convertible into or exchangeable for Common Stock, or the dissolution or liquidation of the Company, or any sale or transfer of all or any part of its assets or business, or any other corporate act or proceeding, whether of a similar character or otherwise.

(j) No action shall be taken under this Section 14.2 which shall cause an Award to fail to be exempt from or comply with Section 409A of the Code or the Treasury Regulations thereunder.

(k) In the event of any pending stock dividend, stock split, combination or exchange of shares, merger, consolidation or other distribution (other than normal cash dividends) of Company assets to stockholders, or any other change affecting the Shares or the share price of the Common Stock including any Equity Restructuring, for reasons of administrative convenience, the Administrator, in its sole discretion, may refuse to permit the exercise of any Award during a period of up to thirty (30) days prior to the consummation of any such transaction.

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14.3 *Approval of Plan by Stockholders.* The Plan shall be submitted for the approval of the Company's stockholders within twelve (12) months after the date of the Board's initial adoption of the Plan. Awards may be granted or awarded prior to such stockholder approval; *provided* that such Awards shall not be exercisable, shall not vest and the restrictions thereon shall not lapse and no Shares shall be issued pursuant thereto prior to the time when the Plan is approved by the stockholders; and *provided, further*, that if such approval has not been obtained at the end of said twelve (12) month period, all Awards previously granted or awarded under the Plan shall thereupon be canceled and become null and void.

14.4 *No Stockholders Rights.* Except as otherwise provided herein, a Holder shall have none of the rights of a stockholder with respect to Shares covered by any Award until the Holder becomes the record owner of such Shares.

14.5 *Paperless Administration.* In the event that the Company establishes, for itself or using the services of a third party, an automated system for the documentation, granting or exercise of Awards, such as a system using an internet website or interactive voice response, then the paperless documentation, granting or exercise of Awards by a Holder may be permitted through the use of such an automated system.

14.6 *Effect of Plan upon Other Compensation Plans.* The adoption of the Plan shall not affect any other compensation or incentive plans in effect for the Company or any Subsidiary. Nothing in the Plan shall be construed to limit the right of the Company or any Subsidiary: (a) to establish any other forms of incentives or compensation for Employees, Directors or Consultants of the Company or any Subsidiary, or (b) to grant or assume options or other rights or awards otherwise than under the Plan in connection with any proper corporate purpose including without limitation, the grant or assumption of options in connection with the acquisition by purchase, lease, merger, consolidation or otherwise, of the business, stock or assets of any corporation, partnership, limited liability company, firm or association.

14.7 *Compliance with Laws.* The Plan, the granting and vesting of Awards under the Plan and the issuance and delivery of Shares and the payment of money under the Plan or under Awards granted or awarded hereunder are subject to compliance with all Applicable Law (including but not limited to state, federal and foreign securities law and margin requirements), and to such approvals by any listing, regulatory or governmental authority as may, in the opinion of counsel for the Company, be necessary or advisable in connection therewith. Any securities delivered under the Plan shall be subject to such restrictions, and the person acquiring such securities shall, if requested by the Company, provide such assurances and representations to the Company as the Company may deem necessary or desirable to assure compliance with all Applicable Law. To the extent permitted by Applicable Law, the Plan and Awards granted or awarded hereunder shall be deemed amended to the extent necessary to conform to Applicable Law.

14.8 *Titles and Headings, References to Sections of the Code or Exchange Act.* The titles and headings of the Sections in the Plan are for convenience of reference only and, in the event of any conflict, the text of the Plan, rather than such titles or headings, shall control. References to sections of the Code or the Exchange Act shall include any amendment or successor thereto.

14.9 *Governing Law.* The Plan and any agreements hereunder shall be administered, interpreted and enforced under the internal laws of the State of Delaware without regard to conflicts of laws thereof or of any other jurisdiction.

14.10 *Section 409A.* To the extent that the Administrator determines that any Award granted under the Plan is subject to Section 409A of the Code, the Program pursuant to which such Award is granted and the Award Agreement evidencing such Award shall incorporate the terms and conditions required by Section 409A of the Code. To the extent applicable, the Plan, the Program and any Award

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Agreements shall be interpreted in accordance with Section 409A of the Code and Department of Treasury regulations and other interpretive guidance issued thereunder, including without limitation any such regulations or other guidance that may be issued after the Effective Date. Notwithstanding any provision of the Plan to the contrary, in the event that following the Effective Date the Administrator determines that any Award may be subject to Section 409A of the Code and related Department of Treasury guidance (including such Department of Treasury guidance as may be issued after the Effective Date), the Administrator may adopt such amendments to the Plan and the applicable Program and Award Agreement or adopt other policies and procedures (including amendments, policies and procedures with retroactive effect), or take any other actions, that the Administrator determines are necessary or appropriate to (a) exempt the Award from Section 409A of the Code and/or preserve the intended tax treatment of the benefits provided with respect to the Award, or (b) comply with the requirements of Section 409A of the Code and related Department of Treasury guidance and thereby avoid the application of any penalty taxes under such Section.

14.11 *No Rights to Awards.* No Eligible Individual or other person shall have any claim to be granted any Award pursuant to the Plan, and neither the Company nor the Administrator is obligated to treat Eligible Individuals, Holders or any other persons uniformly.

14.12 *Unfunded Status of Awards.* The Plan is intended to be an "unfunded" plan for incentive compensation. With respect to any payments not yet made to a Holder pursuant to an Award, nothing contained in the Plan or any Program or Award Agreement shall give the Holder any rights that are greater than those of a general creditor of the Company or any Subsidiary.

14.13 *Indemnification.* To the extent allowable pursuant to Applicable Law, each member of the Committee or of the Board shall be indemnified and held harmless by the Company from any loss, cost, liability, or expense that may be imposed upon or reasonably incurred by such member in connection with or resulting from any claim, action, suit, or proceeding to which he or she may be a party or in which he or she may be involved by reason of any action or failure to act pursuant to the Plan and against and from any and all amounts paid by him or her in satisfaction of judgment in such action, suit, or proceeding against him or her; *provided* he or she gives the Company an opportunity, at its own expense, to handle and defend the same before he or she undertakes to handle and defend it on his or her own behalf. The foregoing right of indemnification shall not be exclusive of any other rights of indemnification to which such persons may be entitled pursuant to the Company's Certificate of Incorporation or Bylaws, as a matter of law, or otherwise, or any power that the Company may have to indemnify them or hold them harmless.

14.14 *Relationship to other Benefits.* No payment pursuant to the Plan shall be taken into account in determining any benefits under any pension, retirement, savings, profit sharing, group insurance, welfare or other benefit plan of the Company or any Subsidiary except to the extent otherwise expressly provided in writing in such other plan or an agreement thereunder.

14.15 *Expenses.* The expenses of administering the Plan shall be borne by the Company and its Subsidiaries.

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