

CHIMERIX INC  
Form DEF 14A  
April 26, 2018  
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 Pursuant to §240.14a-12

Chimerix, Inc.  
(Name of Registrant as Specified In Its Charter)

N/A  
(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.

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CHIMERIX, INC.  
2505 Meridian Parkway, Suite 100  
Durham, North Carolina 27713

NOTICE OF ANNUAL MEETING OF STOCKHOLDERS

To Be Held On June 20, 2018

Dear Stockholder:

You are cordially invited to attend the Annual Meeting of Stockholders (the “Annual Meeting”) of Chimerix, Inc., a Delaware corporation (the “Company”). The meeting will be held on Wednesday, June 20, 2018 at 8:00 a.m. local time at the DoubleTree Suites Hotel, located at 2515 Meridian Parkway, Durham, North Carolina 27713, for the following purposes:

- To elect the three nominees for Class II director named herein to the Board of Directors to serve for a term of three years;
- To ratify the selection by the Audit Committee of the Board of Directors of Ernst & Young LLP as the independent registered public accounting firm of the Company for its fiscal year ending December 31, 2018;
- To hold a non-binding advisory vote on the compensation of the Company’s named executive officers; and
- To conduct any other business properly brought before the Annual Meeting.

These items of business are more fully described in the Proxy Statement accompanying this Notice (the “Proxy Statement”).

The record date for the Annual Meeting is April 23, 2018. Only stockholders of record at the close of business on that date may vote at the meeting or any adjournment thereof.

By Order of the Board of Directors  
M. Michelle Berrey, MD, MPH  
President and Chief Executive Officer

Durham, North Carolina  
April 25, 2018

You are cordially invited to attend the meeting in person. Whether or not you expect to attend the meeting, please complete, date, sign and return the proxy mailed to you as promptly as possible in order to ensure your representation at the meeting. Even if you have voted by proxy, you may still vote in person if you attend the meeting. Please note, however, that if your shares are held of record by a broker, bank or other nominee and you wish to vote at the meeting, you must obtain a proxy issued in your name from that record holder.

CHIMERIX, INC.  
2505 Meridian Parkway, Suite 100  
Durham, North Carolina 27713

PROXY STATEMENT  
FOR THE 2018 ANNUAL MEETING OF STOCKHOLDERS

To be held on June 20, 2018

QUESTIONS AND ANSWERS ABOUT THESE PROXY MATERIALS AND VOTING

Why did I receive a notice regarding the availability of proxy materials on the Internet?

Pursuant to rules adopted by the Securities and Exchange Commission (the “SEC”), we have elected to provide access to our proxy materials over the Internet. Accordingly, we have sent you a Notice of Internet Availability of Proxy Materials (the “Notice”) because the Board of Directors (sometimes referred to as the “Board”) of Chimerix, Inc. (sometimes referred to as “we,” “us,” the “Company” or “Chimerix”) is soliciting your proxy to vote at the 2018 Annual Meeting of Stockholders, including at any adjournments or postponements of the meeting. All shareholders will have the ability to access the proxy materials on the website referred to in the Notice or request to receive a printed set of the proxy materials. Instructions on how to access the proxy materials over the Internet or to request a printed copy may be found in the Notice.

We intend to mail the Notice on or about May 7, 2018 to all shareholders of record entitled to vote at the Annual Meeting.

Will I receive any other proxy materials by mail?

We may send you a proxy card, along with a second Notice, on or after May 17, 2018.

How do I attend the Annual Meeting?

The meeting will be held on Wednesday, June 20, 2018 at 8:00 a.m. local time at the DoubleTree Suites Hotel, located at 2515 Meridian Parkway, Durham, North Carolina 27713. Information on how to vote in person at the Annual Meeting is discussed below.

Who can vote at the Annual Meeting?

Only stockholders of record at the close of business on April 23, 2018 will be entitled to vote at the Annual Meeting. On this record date, there were 47,753,300 shares of common stock outstanding and entitled to vote.

Stockholder of Record: Shares Registered in Your Name

If on April 23, 2018 your shares were registered directly in your name with the Company’s transfer agent, Computershare Trust Company, N.A., then you are a stockholder of record. As a stockholder of record, you may vote in person at the meeting or vote by proxy. Whether or not you plan to attend the meeting, we urge you to fill out and return the proxy card that may be delivered to ensure your vote is counted.



#### Beneficial Owner: Shares Registered in the Name of a Broker or Bank

If on April 23, 2018 your shares were held, not in your name, but rather in an account at a brokerage firm, bank, dealer or other similar organization, then you are the beneficial owner of shares held in “street name” and the Notice is being forwarded to you by that organization. The organization holding your account is considered to be the stockholder of record for purposes of voting at the Annual Meeting. As a beneficial owner, you have the right to direct your broker or other agent regarding how to vote the shares in your account. You are also invited to attend the Annual Meeting. However, since you are not the stockholder of record, you may not vote your shares in person at the meeting unless you request and obtain a valid proxy from your broker or other agent.

#### What am I voting on?

There are three matters scheduled for a vote:

• Proposal 1: Election of the three Class II directors named herein to the Board of Directors to serve for a term of three years;

• Proposal 2: Ratification of the selection by the Audit Committee of the Board of Directors of Ernst & Young LLP as the independent registered public accounting firm of the Company for its fiscal year ending December 31, 2018; and

• Proposal 3: Approval, by non-binding vote, of the compensation of the Company’s named executive officers as disclosed in this Proxy Statement.

#### What if another matter is properly brought before the meeting?

The Board of Directors knows of no other matters that will be presented for consideration at the Annual Meeting. If any other matters are properly brought before the meeting, it is the intention of the persons named in the accompanying proxy to vote on those matters in accordance with their best judgment.

#### How do I vote?

You may either vote “For” all the nominees to the Board of Directors or you may “Withhold” your vote for any nominee you specify. For Proposals 2 and 3, you may vote “For” or “Against” or abstain from voting.

The procedures for voting are as follows:

#### Stockholder of Record: Shares Registered in Your Name

If you are a stockholder of record, you may vote in person at the Annual Meeting or vote by proxy using a proxy card that you may request or that we may elect to deliver at a later time. Whether or not you plan to attend the meeting, we urge you to vote by proxy to ensure your vote is counted. You may still attend the meeting and vote in person even if you have already voted by proxy.

☞ To vote in person, come to the Annual Meeting and we will give you a ballot when you arrive.

To vote using the proxy card, simply complete, sign and date the proxy card that may be delivered and return it promptly in the envelope provided. If you return your signed proxy card to us before the Annual Meeting, we will vote your shares as you direct.



Proxies submitted by the Internet or telephone must be received by 1:00 a.m., Central Time, on June 20, 2018.

To vote over the Internet, please follow the below steps:

Step 1: Go to [www.envisionreports.com/CMRX](http://www.envisionreports.com/CMRX) to view the materials.

Step 2: Click on Cast Your Vote or Request Materials.

Step 3: Follow the instructions on the screen to log in.

Step 4: Make your selection as instructed on each screen to select delivery preferences and vote.

To vote by telephone, call toll free 1-800-652-VOTE (8683) within the USA, US territories & Canada on a touch tone telephone. Follow the instructions provided by the recorded message.

Beneficial Owner: Shares Registered in the Name of Broker or Bank

If you are a beneficial owner of shares registered in the name of your broker, bank, or other agent, you should have received a Notice containing voting instructions from that organization rather than from Chimerix. Simply follow the voting instructions in the Notice to ensure that your vote is counted. To vote in person at the Annual Meeting, you must obtain a valid proxy from your broker, bank or other agent. Follow the instructions from your broker or bank included with these proxy materials, or contact your broker or bank to request a proxy form.

How many votes do I have?

On each matter to be voted upon, you have one vote for each share of common stock you own as of the close of business on April 23, 2018.

What happens if I do not vote?

Stockholder of Record: Shares Registered in Your Name

If you are a stockholder of record and do not vote by completing your proxy card or in person at the Annual Meeting, your shares will not be voted.

Beneficial Owner: Shares Registered in the Name of Broker or Bank

If you are a beneficial owner and do not instruct your broker, bank, or other agent how to vote your shares, the question of whether your broker or nominee will still be able to vote your shares depends on whether NASDAQ Stock Market ("NASDAQ") deems the particular proposal to be a "routine" matter. Brokers and nominees can use their discretion to vote "uninstructed" shares with respect to matters that are considered to be "routine," but not with respect to "non-routine" matters. Under the rules and interpretations of the NASDAQ Listing Rules, "non-routine" matters are matters that may substantially affect the rights or privileges of stockholders, such as mergers, stockholder proposals, elections of directors (even if not contested), executive compensation (including any advisory stockholder votes on executive compensation and on the frequency of stockholder votes on executive compensation), and certain corporate governance proposals, even if management-supported. Accordingly, your broker or nominee may not vote your shares on Proposals 1 or 3, without your instructions, but may vote your shares on Proposal 2.



What if I return a proxy card or otherwise vote but do not make specific choices?

If you return a signed and dated proxy card or otherwise vote without marking voting selections, your shares will be voted, as applicable, “For” the election of the three nominees for director, “For” ratification of selection by the Audit Committee of the Board of Directors of Ernst & Young LLP as the independent registered public accounting firm of the Company for its fiscal year ending December 31, 2018, and “For” the approval, by non-binding vote, of the compensation of our named executive officers as disclosed in this Proxy Statement. If any other matter is properly presented at the meeting, your proxyholder (one of the individuals named on your proxy card) will vote your shares using his or her best judgment.

Who is paying for this proxy solicitation?

We will pay for the entire cost of soliciting proxies. In addition to these proxy materials, our directors and employees may also solicit proxies in person, by telephone, or by other means of communication. Directors and employees will not be paid any additional compensation for soliciting proxies. We may also reimburse brokerage firms, banks and other agents for the cost of forwarding proxy materials to beneficial owners.

What does it mean if I receive more than one Notice?

If you receive more than one Notice, your shares may be registered in more than one name or in different accounts. Please follow the voting instructions on the Notices to ensure that all of your shares are voted.

Can I change my vote after submitting my proxy?

Stockholder of Record: Shares Registered in Your Name

Yes. You can revoke your proxy at any time before the final vote at the meeting. If you are the record holder of your shares, you may revoke your proxy in any one of the following ways:

• You may submit another properly completed proxy card with a later date.

• You may send a timely written notice that you are revoking your proxy to Chimerix, Inc.’s Secretary at 2505 Meridian Parkway, Suite 100, Durham, North Carolina 27713.

• You may attend the Annual Meeting and vote in person. Simply attending the meeting will not, by itself, revoke your proxy.

Your most current proxy card is the one that is counted.

Beneficial Owner: Shares Registered in the Name of Broker or Bank

If your shares are held by your broker or bank as a nominee or agent, you should follow the instructions provided by your broker or bank.

When are stockholder proposals and director nominations due for next year's annual meeting?

To be considered for inclusion in next year's proxy materials, your proposal must be submitted in writing by January 7, 2019 to the attention of the Secretary of Chimerix, Inc. at 2505 Meridian Parkway, Suite 100, Durham, North Carolina 27713. If you wish to submit a proposal (including a director nomination) at the meeting that is not to be included in next year's proxy materials, your written request must be received by the Secretary for Chimerix, Inc. between February 20, 2019 and March 22, 2019. You are also advised to review the Company's bylaws, which contain additional requirements about advance notice of stockholder proposals and director nominations.

How are votes counted?

Votes will be counted by the inspector of election appointed for the meeting, who will separately count, for the proposal to elect directors, votes "For," "Withhold" and broker non-votes; and with respect to Proposals 2 and 3, votes "For" and "Against," abstentions and, if applicable, broker non-votes. Abstentions will be counted towards the respective vote totals for Proposals 2 and 3 and will have the same effect as "Against" votes. Broker non-votes have no effect and will not be counted towards the vote total for any proposal.

What are "broker non-votes"?

As discussed above, when a beneficial owner of shares held in "street name" does not give instructions to the broker or nominee holding the shares as to how to vote on matters deemed by NASDAQ to be "non-routine," the broker or nominee cannot vote the shares. These unvoted shares are counted as "broker non-votes."

How many votes are needed to approve each proposal?

For Proposal 1, the election of directors, the three nominees receiving the most "For" votes from the holders of shares present in person or represented by proxy and entitled to vote on the election of directors will be elected. Only votes "For" or "Withhold" will affect the outcome.

To be approved, Proposal 2 ratifying the selection by the Audit Committee of the Board of Directors of Ernst & Young LLP as the independent registered public accounting firm of the Company for its fiscal year ending December 31, 2018, we must receive "For" votes from the holders of a majority of shares present in person or represented by proxy and entitled to vote on the matter. If you mark your proxy to "Abstain" from voting, it will have the same effect as an "Against" vote.

To be approved, Proposal 3 approving, by non-binding, advisory vote, the compensation of the Company's named executive officers as disclosed herein, we must receive "For" votes from the holders of a majority of shares present in person or represented by proxy and entitled to vote on the matter. If you mark your proxy to "Abstain" from voting, it will have the same effect as an "Against" vote.

What is the quorum requirement?

A quorum of stockholders is necessary to hold a valid meeting. A quorum will be present if stockholders holding at least a majority of the outstanding shares entitled to vote are present at the meeting in person or represented by proxy. On the record date, there were 47,753,300 shares outstanding and entitled to vote. Thus, the holders of 23,876,651 shares must be present in person or represented by proxy at the meeting to have a quorum.



Your shares will be counted towards the quorum only if you submit a valid proxy (or one is submitted on your behalf by your broker, bank or other nominee) or if you vote in person at the meeting. Abstentions and broker non-votes will be counted towards the quorum requirement. If there is no quorum, the holders of a majority of shares present at the meeting in person or represented by proxy may adjourn the meeting to another date.

How can I find out the results of the voting at the Annual Meeting?

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

## PROPOSAL I

### ELECTION OF DIRECTORS

Our Board of Directors consists of twelve directors. In accordance with the terms of our Amended and Restated Certificate of Incorporation, our Board of Directors is divided into three classes, denominated Class I, Class II and Class III. Each Director Class has a term of three years, and the three classes are staggered with respect to their termination dates. The terms of the current Class I Directors, Class II Directors and Class III Directors expire in 2020, 2018 and 2019, respectively. At each annual stockholder meeting, the successors to the directors whose terms expire are elected to serve from the time of their election and qualification until the third annual meeting of stockholders following their election and until his or her successor is elected, or, if sooner, until the director's death, resignation or removal.

Currently, our Board of Directors is classified as follows: members of Class I are M. Michelle Berrey, M.D., M.P.H., Robert J. Meyer, M.D. and Ronald C. Renaud, Jr.; members of Class II are James M. Daly, Martha J. Demski, Edward F. Greissing, John M. Leonard, M.D., and James Niedel, M.D., Ph.D.; and members of Class III are Catherine L. Gilliss, Ph.D., R.N., F.A.A.N., Patrick Machado, Ernest Mario, Ph.D., and Fred A. Middleton. The term of office for our Class II Directors will expire at the Annual Meeting. On March 28, 2018, Dr. Leonard and Dr. Niedel, each notified the Company of his decision not to stand for re-election as a member of the Company's Board of Directors when his term as a Class II director expires. Additionally, on March 28, 2018, Ernest Mario, Ph.D. notified the Company of his resignation as a member and Chairman of the Board, effective as of the date of the 2018 Annual Meeting.

There are three nominees for Class II Director this year, Mr. Daly, Ms. Demski and Mr. Greissing, each of whom has agreed to serve if elected, and management has no reason to believe that any nominee will be unavailable to serve. Each director to be elected and qualified will hold office until our 2021 Annual Meeting of Stockholders and until his or her successor is elected, or, if sooner, until the director's death, resignation or removal.

Our Board of Directors has approved a reduction in size of the Board of Directors to nine members immediately following the Annual Meeting, and as a result, there will be no vacancies on our Board of Directors following the Annual Meeting.

Directors are elected by a plurality of the votes of the holders of shares present in person or represented by proxy and entitled to vote on the election of directors. The three nominees receiving the highest number of affirmative votes will be elected.

It is the Company's policy to invite our directors and director nominees to attend the Annual Meeting. Except for Mr. Machado, each of our then directors attended our annual meeting in 2017.

## Nominees

The following is a brief biography of each nominee for director and a discussion of the specific experience, qualifications, attributes or skills of each nominee that led the Nominating and Governance Committee to recommend that person as a nominee for director, as of the date of this Proxy Statement.

The Nominating and Governance Committee seeks to assemble a board that, as a whole, possesses the appropriate balance of professional and industry knowledge, financial expertise and high-level management experience necessary to oversee and direct the Company's business. To that end, the Nominating and Governance Committee has identified and evaluated nominees in the broader context of the Board's overall composition, with the goal of recruiting members who complement and strengthen the skills of other members and who also exhibit integrity, collegiality, sound business judgment and other qualities that the Nominating and Governance Committee views as critical to effective functioning of the Board. The brief biographies below include information, as of the date of this Proxy Statement, regarding the specific and particular experience, qualifications, attributes or skills of each nominee that led the Nominating and Governance Committee to recommend that person as a nominee. However, each of the members of the Nominating and Governance Committee may have a variety of reasons why he or she believes a particular person would be an appropriate nominee for the Board, and these views may differ from the views of other members.

## THE BOARD OF DIRECTORS RECOMMENDS A VOTE IN FAVOR OF EACH NAMED NOMINEE

### Biographies of the Directors Whose Terms Expire at the 2018 Annual Meeting and are Nominated for Election at the Annual Meeting

Martha J. Demski. Ms. Demski, age 65, has served as one of our directors since 2005 and has been appointed Chair of our Board of Directors effective as of the 2018 Annual Meeting. From August 2011 to May 2017, Ms. Demski served as Senior Vice President and Chief Financial Officer of Ajinomoto Althea, Inc. (formerly Althea Technologies, Inc.), a fully-integrated contract development and manufacturing organization. From July 2008 to December 2010, Ms. Demski served as the Interim Chief Operating Officer and Chief Financial Officer of the Sidney Kimmel Cancer Center (SKCC), a non-profit corporation that was engaged in biomedical research prior to voluntarily filing for Chapter 11 bankruptcy in 2009. Previously, Ms. Demski served as Vice President and Chief Financial Officer of Vical Incorporated, a biopharmaceutical company from December 1988 to June 2004. Ms. Demski currently serves on the board of directors and chairs the audit committee and is a member of the compensation and finance committees of Adamas Pharmaceuticals, Inc., a publicly traded biotech company. Prior to 2018, Ms. Demski was a member of the board, chair of the audit committee and member of the compensation committee, nominating and governance committee, and operating committee of Neothetics, Inc., a publicly traded biotech company. Ms. Demski is a National Association of Corporate Directors Board Governance Fellow. In 2017, she received the Director of the Year in Corporate Governance award by the Corporate Directors Forum. Additionally Ms. Demski has over 13 years of banking experience with Bank of America and U.S. Trust. Ms. Demski earned a B.A. from Michigan State University and M.B.A. from The University of Chicago Booth School of Business with concentrations in accounting and finance. Our Board of Directors believes that Ms. Demski's more than 30 years' experience in the fields of finance and biotechnology as well as her experience as a member of various boards of directors qualifies her to serve on our Board of Directors.

James M. Daly. Mr. Daly, age 56, has served as one of our directors since June 2014. Mr. Daly has also served on the board of directors of Acadia Pharmaceuticals, a biopharmaceutical company, since January 2016, Halozyme Therapeutics, a biopharmaceutical company, since February 2016, and Bellicum Pharmaceuticals, Inc., a biopharmaceutical company, since May 2016. Mr. Daly served as Executive Vice President and Chief Commercial Officer at Incyte Corporation, a biopharmaceutical company, from October 2012 through June 2015. Prior to joining Incyte, Mr. Daly served as Senior Vice President of North America Commercial Operations and Global

Marketing/Commercial Development at Amgen Inc., a global pharmaceutical company, where he was employed from January 2002 to December 2011. Prior to his employment with Amgen, Mr. Daly was

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Senior Vice President and General Manager of the Respiratory/Anti-infective business unit at GlaxoSmithKline, where he was employed from June 1985 to December 2001. Mr. Daly is a pharmacist and received his B.S. and M.B.A. degrees from the University of Buffalo, The State University of New York. Our Board of Directors believes that Mr. Daly's expertise and experience in the biopharmaceutical industry qualifies him to serve on our Board of Directors.

Edward F. Greissing. Mr. Greissing, age 67, has served as one of our directors since March 2018. Mr. Greissing has served as the Executive Director of the Lynda and Stewart Resnick Center for Public Health at the Milken Institute since 2016. Prior to joining the Milken Institute, he served as Senior Vice President, North America Corporate Affairs at Sanofi U.S. for 10 years, where he was responsible for corporate affairs functions and programming for chronic disease prevention and wellness, health innovation, and health and economic policy. In 2003, Mr. Greissing founded Red Line Associates, a consulting firm focused on business, product and political strategy, and educational efforts for healthcare, finance and food services clients. Mr. Greissing began his pharmaceutical career at The Upjohn Company, which merged with Pharmacia Corporation (and then later was acquired by Pfizer). Throughout his career, Mr. Greissing supported multiple product approvals, launches and reimbursement efforts. Prior to joining the pharmaceutical industry, Mr. Greissing served as a Professional Staff Member and Research Assistant for the U.S. Senate Intelligence Committee. Mr. Greissing currently serves on the Board of Directors of the Children's Inn at the National Institute of Health. Mr. Greissing earned a B.A. from the College of the Holy Cross and an M.A. from The Catholic University of America. Our Board of Directors believes that Mr. Greissing's expertise and experience in the biopharmaceutical industry qualifies him to serve on our Board of Directors.

#### Biographies of the Continuing Directors Whose Terms Expire at the 2019 Annual Meeting

Patrick Machado. Mr. Machado, age 54, has served as one of our directors since June 2014. Mr. Machado currently serves as a director of Scynexis, Inc. since September 2015, Adverum Biotechnologies, Inc. since March 2017, and Endocyte, Inc. since February 2018, all of which are public pharmaceutical companies. He also serves as a director of Armaron Bio Pty Ltd. and Roivant Sciences Ltd., both of which are privately held biopharmaceutical companies. From June 2017 to February 2018, Mr. Machado served as a director of Axovant Sciences, Ltd. He is a co-founder of Medivation, Inc., a biopharmaceutical company, and served on its Board of Directors from April 2014 to September 2016, when Medivation, Inc. was acquired by Pfizer, Inc. Prior to his retirement in April 2014, Mr. Machado served as Medivation's Chief Financial Officer since its inception in September 2003 and as its Chief Business Officer since December 2009. From 1998 until 2001, Mr. Machado was employed by ProDuct Health, Inc., a privately-held medical device company, as Vice President, Chief Financial Officer and General Counsel from 1998 to 2000, and as Senior Vice President and Chief Financial Officer from 2000 to 2001. From 2001 until 2002, Mr. Machado served as a consultant to Cytoc Corporation, to assist with transitional matters related to Cytoc Corporation's acquisition of ProDuct Health, Inc. Mr. Machado received a J.D. from Harvard Law School and a B.A. and B.S. in German and Economics, respectively, from Santa Clara University. Our Board of Directors believes that Mr. Machado's expertise and experience in the pharmaceutical industry qualifies him to serve on our Board of Directors.

Fred A. Middleton. Mr. Middleton, age 68, has served as a member of our Board of Directors since March 2018. Mr. Middleton currently serves as a Managing Director of Sanderling Ventures, where he has worked for 30 years as an investor, management team member and director in over 20 new biomedical ventures built in Sanderling's venture investment portfolios since 1988. During his time at Sanderling, Mr. Middleton served as Vice Chairman and Chief Business Officer of Altor Biosciences, where he helped raise over \$100 million for clinical trials development and its subsequent acquisition by NantCell, Inc. Mr. Middleton was a first round investor in Regeneron Pharmaceuticals and served as a board member and as the company's CFO during its initial public offering in 1990. Earlier in his career, Mr. Middleton served as the third original member of the Genentech management team as its Chief Financial Officer. Mr. Middleton currently serves on the Board of Directors of Endocyte, Inc., Stereotaxis, Inc., Viacyte, Inc., Lineagen, Inc. and TheraVida, Inc. During the past five years, Mr. Middleton had previously served on the board of Pacira



Pharmaceuticals, Inc., a publicly-traded therapeutic drug company. Mr. Middleton holds a B.S. in chemistry from the

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Massachusetts Institute of Technology and an MBA from the Harvard Business School. Our Board of Directors believes that Mr. Middleton's expertise and experience in the pharmaceutical industry qualifies him to serve on our Board of Directors.

Catherine L. Gilliss, Ph.D., R.N., FAAN. Dr. Gilliss, age 69, has served as one of our directors since June 2014. Dr. Gilliss serves as the Dean of the University of California, San Francisco School of Nursing following her appointment in August 2017. Dr. Gilliss previously served as the Helene Fuld Health Trust Professor of Nursing at the Duke University School of Nursing beginning in July 2009 and as a Professor at the Duke University School of Nursing beginning in October 2004. During the 2014-2015 school year, she was on sabbatical leave at Stanford University, where she was a Fellow in the Distinguished Careers Institute. Dr. Gilliss served as Dean at Duke's School of Nursing from 2004 through 2014. Under her leadership, Duke became one of the top schools of nursing in the nation. From 1998 until 2004, she served as professor and the Dean at the Yale University School of Nursing. Dr. Gilliss earned her BSN from Duke, her MSN from The Catholic University of America and her PhD. from the University of California, San Francisco, where she also completed postdoctoral studies. Our Board of Directors believes that Dr. Gilliss' expertise and experience in the healthcare and nursing fields qualifies her to serve on our Board of Directors.

#### Biographies of the Continuing Directors Whose Terms Expire at the 2020 Annual Meeting

M. Michelle Berrey, M.D., M.P.H. Dr. Berrey, age 51, has served as our President and Chief Executive Officer since April 2014 and has been a member of our Board of Directors since June 2014. In addition, Dr. Berrey served as our Chief Medical Officer since her appointment to that role in November 2012 until a new Chief Medical Officer, W. Garrett Nichols, MD, MS, was appointed to the role in September of 2014. From January 2007 to January 2012, Dr. Berrey served as Chief Medical Officer at Pharmasset, Inc., a company that focused on the development of nucleotide analogs for the treatment of hepatitis C. From January 2004 to January 2007, Dr. Berrey served as Vice President, Viral Diseases, Clinical Pharmacology & Discovery Medicine at GlaxoSmithKline, where she was responsible for the early development of compounds for the treatment of HIV, hepatitis viruses and hepatic fibrosis. Dr. Berrey earned a B.A. in English from Emory University, an M.D. from the Medical College of Georgia and an M.P.H. from Emory University. Dr. Berrey completed her internship and residency in Internal Medicine at the University of North Carolina, Chapel Hill, and was a Senior Fellow in Infectious Diseases at the University of Washington. Dr. Berrey is board certified in internal medicine and infectious diseases. Our Board of Directors believes that Dr. Berrey's expertise and experience in the pharmaceutical industry qualifies her to serve on our Board of Directors.

Robert J. Meyer, M.D. Dr. Meyer, age 59, has served as a member of our Board of Directors since March 2018. Dr. Meyer has been a Principal of Drug and Biological Products at Greenleaf Health, a boutique FDA strategic advising company since January 2018. He is also an Associate Professor of Public Health Sciences at the University of Virginia (UVA), where he was formerly the Director of the Virginia Center for Translational and Regulatory Sciences from 2013 to 2017. He is a Medical Science Trustee for the United States Pharmacopeia Board (a voluntary position on this non-profit organization) and has served as a Director of Cardiome Pharma, a Vancouver, B.C. pharmaceutical company since August 2015. Prior to joining the faculty at UVA, Dr. Meyer was Vice President and Head, Global Regulatory Strategy, Policy and Safety at Merck Research Laboratories, joining Merck in October 2007. Prior to Merck, Dr. Meyer worked for the FDA from 1994 to 2007. In his last 5 years at the FDA, Dr. Meyer was the Director for the Office of Drug Evaluation II (ODEII) within Center for Drug Evaluation and Research (CDER), with responsibilities for pulmonary and allergy, metabolic and endocrine, and analgesics, anesthetics and rheumatologic drug products. Dr. Meyer holds a B.A. from Lehigh University and an M.D. from the University of Connecticut School of Medicine. Our Board of Directors believes that Dr. Meyer's expertise and experience within the FDA and the pharmaceutical industry qualifies him to serve on our Board of Directors.

Ronald C. Renaud, Jr. Mr. Renaud, age 49, has served as one of our directors since December 2014. Mr. Renaud has been the Chief Executive Officer at Translate Bio, Inc. (formerly RaNA Therapeutics) since December 2014, and

prior to that, he served as President and Chief Executive Officer at Idenix Pharmaceuticals since October 2010. Under his leadership, Idenix refocused its drug discovery and development efforts on nucleotide prodrugs to treat hepatitis C virus (HCV), which culminated in its

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acquisition by Merck for \$3.85 billion in August 2014. Prior to October 2010, Mr. Renaud served as the Chief Financial Officer of Idenix from the time he joined Idenix in June 2007 and was additionally appointed Chief Business Officer in June 2010. Prior to joining Idenix, Mr. Renaud served as Senior Vice President and Chief Financial Officer of Keryx Biopharmaceuticals, from February 2006 to May 2007. From 2000 to 2006, Mr. Renaud was a biotechnology equity research analyst at JP Morgan, Schwab Soundview and Bear Stearns. He also spent more than five years at Amgen, where he held positions in clinical research, investor relations and finance. Mr. Renaud holds a BA from St. Anselm College and an MBA from the Marshall School of Business at the University of Southern California. Mr. Renaud is currently a board member of PTC Therapeutics, Inc., a pharmaceutical company focused on the development of treatments for orphan diseases, and Akebia Therapeutics, Inc., a biopharmaceutical company. Our Board of Directors believes that Mr. Renaud's expertise and experience in the pharmaceutical industry qualifies him to serve on our Board of Directors.

## INFORMATION REGARDING THE BOARD OF DIRECTORS AND CORPORATE GOVERNANCE

### Independence of The Board of Directors

As required under the NASDAQ listing standards, a majority of the members of a listed company's Board of Directors must qualify as "independent," as affirmatively determined by the Board of Directors. The Board consults with the Company's counsel to ensure that the Board's determinations are consistent with relevant securities and other laws and regulations regarding the definition of "independent," including those set forth in pertinent listing standards of NASDAQ, as in effect from time to time.

Consistent with these considerations, after review of all relevant identified transactions or relationships between each director, or any of his or her family members, and the Company, its senior management and its independent auditors, the Board of Directors has affirmatively determined that the following eleven directors are independent directors within the meaning of the applicable NASDAQ listing standards: Dr. Mario, Mr. Daly, Ms. Demski, Dr. Gilliss, Mr. Greissing, Dr. Leonard, Mr. Machado, Dr. Meyer, Mr. Middleton, Dr. Niedel, and Mr. Renaud. In making this determination, the Board of Directors found that none of these directors had a material or other disqualifying relationship with the Company. Following our Annual Meeting, assuming the election of our three nominees for director named in these proxy materials, we will have eight independent directors and one non-independent director, Dr. Berrey, who serves as our President and Chief Executive Officer.

### Board Leadership Structure

Our Board of Directors is currently chaired by Dr. Mario, and commencing with the 2018 Annual Meeting, will be chaired by Ms. Demski. As a general policy, our Board of Directors believes that separation of the positions of Chair and Chief Executive Officer reinforces the independence of the Board of Directors from management, creates an environment that encourages objective oversight of management's performance and enhances the effectiveness of the Board of Directors as a whole. As such, Dr. Berrey serves as our President and Chief Executive Officer while Dr. Mario (and as of the 2018 Annual Meeting, Ms. Demski) serves as our Chair of the Board of Directors but is not an officer. We expect and intend the positions of Chairman of the Board of Directors and Chief Executive Officer to continue to be held by separate individuals in the future.

### Role of the Board in Risk Oversight

One of the key functions of our Board of Directors is informed oversight of our risk management process. The Board of Directors does not have a standing risk management committee, but rather administers this oversight function directly through the Board of Directors as a whole, as well as through various standing committees of our Board of Directors that address risks inherent in their respective areas of oversight. In particular, our Board of Directors is

responsible for monitoring and assessing strategic risk exposure and our Audit Committee has the responsibility to consider and discuss our major financial risk exposures and the steps our management has taken to monitor and control these exposures, including guidelines and policies to govern the process by

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which risk assessment and management is undertaken. The Audit Committee also monitors compliance with legal and regulatory requirements. Our Nominating and Governance Committee monitors the effectiveness of our corporate governance practices, including whether they are successful in preventing illegal or improper liability-creating conduct. Our Compensation Committee assesses and monitors whether any of our compensation policies and programs has the potential to encourage excessive risk-taking.

#### Meetings of the Board of Directors

Our Board of Directors met six times during 2017 as well as four times in executive session. Additionally, the Board of Directors acted by written consent three times during 2017. All directors who served in 2017 attended at least 75% of the aggregate number of meetings of the Board of Directors and of the committees on which they served, in each case that were held during the portion of the last fiscal year for which they were directors or committee members, respectively.

#### Information Regarding Committees of the Board of Directors

The Board of Directors has three committees: an Audit Committee, a Compensation Committee, and a Nominating and Governance Committee. The following table provides current membership for each of the Board Committees and the meeting information for 2017:

Name	Audit <sup>(3)</sup>	Compensation <sup>(3)</sup>	Nominating and Governance <sup>(3)</sup>
Ernest Mario, Ph.D. <sup>(1)</sup>			
James M. Daly		X	
Martha J. Demski	X*		X
John M. Leonard, M.D. <sup>(2)</sup>		X	
Patrick Machado	X	X*	
James Niedel, M.D., Ph.D. <sup>(2)</sup>			X*
Catherine L. Gilliss, Ph.D., R.N., F.A.A.N.			X
Ronald C. Renaud, Jr.	X		
Total meetings in 2017	10	5	5

\* Committee Chairperson

(1) Dr. Mario's term as a director will end at the Annual Meeting.

(2) Each of Dr. Leonard's and Dr. Niedel's term as a director and member of each committee on which they serve will end at the Annual Meeting.

(3) Following the Annual Meeting the committees of the Board of Directors will be reconstituted as follows:

• Nominating and Governance Committee to consist of Edward F. Greissing (Chair) and Catherine Gilliss, Ph.D., R.N., F.A.A.N.

• Audit Committee to consist of Fred A. Middleton (Chair), Catherine Gilliss, Ph.D., R.N., F.A.A.N, and Ronald C. Renaud, Jr.

• Compensation Committee to consist of Patrick Machado (Chair), James M. Daly, and Robert J. Meyer, M.D.

Below is a description of each committee of the Board of Directors. Each of the committees has authority to engage legal counsel or other experts or consultants as it deems appropriate to carry out its responsibilities. The Board of Directors has determined that each member of each committee meets the applicable rules and regulations regarding "independence" and that each member is free of any relationship that would impair his or her individual exercise of independent judgment with regard to the Company.



## Audit Committee

Our Audit Committee consists of Ms. Demski, Mr. Machado, and Mr. Renaud. Our Board of Directors has determined that each of the members of our Audit Committee satisfies the NASDAQ and SEC independence requirements. Effective as of the Annual Meeting, Ms. Demski and Mr. Machado will cease to serve as members of the Audit Committee. Following the Annual Meeting, the Audit Committee will be comprised of Mr. Middleton, Mr. Renaud and Dr. Gilliss, with Mr. Middleton serving as Chair.

Ms. Demski serves as the chair of our Audit Committee. Our Board of Directors has determined that Ms. Demski, Mr. Machado, and Mr. Renaud each qualify as an Audit Committee financial expert within the meaning of SEC regulations and meet the financial sophistication requirements of the NASDAQ Listing Rules. In making this determination, our Board has considered Ms. Demski's, Mr. Machado's, and Mr. Renaud's formal education and previous and current experience in financial roles. Both our independent registered public accounting firm and management periodically meet privately with our Audit Committee.

The functions of this committee include, among other things:

- evaluating the performance, independence and qualifications of our independent auditors and determining whether to retain our existing independent auditors or engage new independent auditors;

- reviewing and approving the engagement of our independent auditors to perform audit services and any permissible non-audit services;

- monitoring the rotation of partners of our independent auditors on our engagement team as required by law;

- prior to engagement of any independent auditor, and at least annually thereafter, reviewing relationships that may reasonably be thought to bear on their independence, and assessing and otherwise taking the appropriate action to oversee the independence of our independent auditor;

- reviewing our annual and quarterly financial statements and reports, including the disclosures contained under the caption "Management's Discussion and Analysis of Financial Condition and Results of Operations," and discussing the statements and reports with our independent auditors and management;

- reviewing with our independent auditors and management significant issues that arise regarding accounting principles and financial statement presentation and matters concerning the scope, adequacy and effectiveness of our financial controls;

- reviewing with management and our auditors any earnings announcements and other public announcements regarding material developments;

- establishing procedures for the receipt, retention and treatment of complaints received by us regarding financial controls, accounting or auditing matters and other matters;

- preparing the report that the SEC requires in our annual proxy statement;

- reviewing and providing oversight of any related-person transactions in accordance with our related person transaction policy and reviewing and monitoring compliance with legal and regulatory responsibilities, including our code of business conduct and ethics;





• reviewing our major financial risk exposures, including the guidelines and policies to govern the process by which risk assessment and risk management is implemented;

• reviewing on a periodic basis our investment policy; and

• reviewing and evaluating on an annual basis the performance of the Audit Committee, including compliance of the Audit Committee with its charter.

We believe that the composition and functioning of our Audit Committee complies with all applicable requirements of the Sarbanes-Oxley Act, and all applicable SEC and NASDAQ rules and regulations. We intend to comply with future requirements to the extent they become applicable to us.

The Audit Committee met ten times during 2017. The Audit Committee has adopted a written charter that is available to stockholders on the Company's website at [www.chimerix.com](http://www.chimerix.com). The information on our website is not incorporated by reference into this Proxy Statement or our Annual Report for fiscal 2017.

#### Report of the Audit Committee of the Board of Directors\*

The Audit Committee has reviewed and discussed the audited financial statements for the fiscal year ended December 31, 2017 with management of the Company. The Audit Committee has discussed with the independent registered public accounting firm the matters required to be discussed by Statement on Auditing Standards No. 1301, Communicating with Audit Committees, as adopted by the Public Company Accounting Oversight Board ("PCAOB") in Rule 3200T. The Audit Committee has also received the written disclosures and the letter from the independent registered public accounting firm required by applicable requirements of the PCAOB regarding the independent accountants' communications with the Audit Committee concerning independence, and has discussed with the independent registered public accounting firm the accounting firm's independence. Based on the foregoing, the Audit Committee has recommended to the Board of Directors that the audited financial statements be included in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2017.

Ms. Martha J. Demski, Committee Chair

Mr. Patrick Machado

Mr. Ronald C. Renaud, Jr.

\* The material in this report is not "soliciting material," is not deemed "filed" with the Commission and is not to be incorporated by reference in any filing of the Company under the Securities Act of 1933, as amended, or the Exchange Act, whether made before or after the date hereof and irrespective of any general incorporation language in any such filing.

#### Compensation Committee

Our Compensation Committee consists of Mr. Machado, Mr. Daly, and Dr. Leonard. Mr. Machado serves as chair of the Compensation Committee. Effective as of the Annual Meeting, Dr. Leonard will cease to serve as a member of our Board of Directors and as a member of the Compensation Committee, and Dr. Meyer will be appointed to the Compensation Committee. Our Board of Directors has determined that each of the members of our Compensation Committee is a non-employee director, as defined in Rule 16b-3 promulgated under the Securities Exchange Act of 1934, as amended (the Exchange Act), and satisfies the NASDAQ independence requirements.

The functions of this committee include, among other things:

• reviewing, modifying and approving (or if it deems appropriate, making recommendations to the full Board of Directors regarding) our overall compensation strategy and policies;

• reviewing and approving (or, if it deems appropriate, making recommendations to the full Board of Directors regarding) the compensation and other terms of employment of our executive officers;

• reviewing and approving (or, if it deems appropriate, making recommendations to the full Board of Directors regarding) performance goals and objectives relevant to the compensation of our executive officers and assessing their performance against these goals and objectives;

• reviewing and approving (or if it deems it appropriate, making recommendations to the full Board of Directors regarding) the equity incentive plans, compensation plans and similar programs advisable for us, as well as modifying, amending or terminating existing plans and programs;

• evaluating risks associated with our compensation policies and practices and assessing whether risks arising from our compensation policies and practices for our employees are reasonably likely to have a material adverse effect on us;

• reviewing and approving (or, if it deems appropriate, making recommendations to the full Board of Directors regarding) the type and amount of compensation to be paid or awarded to our non-employee Board members;

• establishing policies with respect to votes by our stockholders to approve executive compensation to the extent required by Section 14A of the Exchange Act, and to the extent applicable, determining our recommendations regarding the frequency of advisory votes on executive compensation;

• reviewing and assessing the independence of compensation consultants, legal counsel and other advisors as required by Section 10C of the Exchange Act, as well as applicable NASDAQ rules and regulations;

• reviewing any conflicts of interest raised by the work of any compensation consultant that had any role in determining or recommending the amount or form of executive or director compensation and how such conflict is being addressed for disclosure in our proxy statements to be filed with the SEC;

• administering our equity incentive plans;

• establishing policies with respect to equity compensation arrangements;

• reviewing the competitiveness of our executive compensation programs and evaluating the effectiveness of our compensation policy and strategy in achieving expected benefits to us;

• reviewing and approving (or, if it deems appropriate, making recommendations to the full Board of Directors regarding) the terms of any employment agreements, severance arrangements, change in control protections and any other compensatory arrangements for our executive officers;

• reviewing the adequacy of its charter on a periodic basis;

to the extent applicable, reviewing with management and approving our disclosures under the caption “Compensation Discussion and Analysis” in our periodic reports or proxy statements to be filed with the SEC;

preparing the report that the SEC requires in our annual proxy statement; and

reviewing and assessing on an annual basis the performance of the Compensation Committee.

We believe that the composition and functioning of our Compensation Committee complies with all applicable requirements of the Sarbanes-Oxley Act of 2002, and all applicable SEC and NASDAQ rules and regulations. We intend to comply with future requirements to the extent they become applicable to us.

The Compensation Committee met five times during 2017. The Compensation Committee has adopted a written charter that is available to stockholders on the Company’s website at [www.chimerix.com](http://www.chimerix.com). The information on our website is not incorporated by reference into this Proxy Statement or our Annual Report for fiscal 2017.

#### Compensation Committee Report\*

The Compensation Committee has reviewed and discussed with management the Compensation Discussion and Analysis contained in this Proxy Statement. Based on this review and discussion, the Compensation Committee has recommended to the Board of Directors that the Compensation Discussion and Analysis be included in this Proxy Statement and incorporated into the Company’s Annual Report on Form 10-K for the fiscal year ended December 31, 2017.

Mr. Patrick Machado, Committee Chair

Mr. James M. Daly

Dr. John M. Leonard

\* The material in this report is not “soliciting material,” is not deemed “filed” with the Commission and is not to be incorporated by reference in any filing of the Company under the Securities Act of 1933, as amended, or the Exchange Act, whether made before or after the date hereof and irrespective of any general incorporation language in any such filing.

#### Compensation Committee Interlocks and Insider Participation

During 2017, the Compensation Committee consisted of (at various times) Lisa Ricciardi, Mr. Daly, Dr. Leonard and Mr. Machado. No interlocking relationship existed between any member of the Compensation Committee and any member of any other company’s Board of Directors or compensation committee.

#### Nominating and Governance Committee

Our Nominating and Governance Committee consists of Ms. Demski, Dr. Gilliss, and Dr. Niedel. Effective as of the Annual Meeting, Dr. Niedel will cease to serve as a member of our Board of Directors and as Chair of the Nominating and Governance Committee, and Ms. Demski will cease to serve as a member of the committee. Effective as of the Annual Meeting, the Nominating and Governance Committee will consist of Dr. Gilliss and Mr. Greissing, with Mr. Greissing serving as Chair. Our Board of Directors has determined that each of the members of this committee satisfies the NASDAQ Global Market independence requirements. The functions of this committee include, among other things:

identifying, reviewing and evaluating candidates to serve on our Board of Directors consistent with criteria approved by our Board of Directors;



- determining the minimum qualifications for service on our Board of Directors;
- evaluating director performance on the Board and applicable committees of the Board and determining whether continued service on our Board is appropriate;
- evaluating, nominating and recommending individuals for membership on our Board of Directors;
- evaluating nominations by stockholders of candidates for election to our Board of Directors;
- considering and assessing the independence of members of our Board of Directors;
- developing a set of corporate governance policies and principles, including a code of business conduct and ethics, periodically reviewing and assessing these policies and principles and their application and recommending to our Board of Directors any changes to such policies and principles;
- considering questions of possible conflicts of interest of directors as such questions arise;
- reviewing the adequacy of its charter on an annual basis; and
- annually evaluating the performance of the Nominating and Governance Committee.

We believe that the composition and functioning of our Nominating and Governance Committee complies with all applicable requirements of the Sarbanes-Oxley Act of 2002, and all applicable SEC and NASDAQ rules and regulations. We intend to comply with future requirements to the extent they become applicable to us.

The Nominating and Governance Committee believes that candidates for director, both individually and collectively, can and do provide the integrity, experience, judgment, commitment (including having sufficient time to devote to the Company and level of participation), skills, diversity and expertise appropriate for the Company. In assessing the directors, both individually and collectively, the Nominating and Governance Committee may consider the current needs of our Board of Directors and the Company to maintain a balance of knowledge, experience and capability in various areas. However, the Nominating and Governance Committee retains the right to modify these qualifications from time to time. Candidates for director nominees are reviewed in the context of the current composition of our Board of Directors, the operating requirements of the Company and the long-term interests of stockholders. In conducting this assessment, the Nominating and Governance Committee typically considers diversity, age, skills and such other factors as it deems appropriate given the current needs of our Board of Directors and the Company, to maintain a balance of knowledge, experience and capability. In the case of incumbent directors whose terms of office are set to expire, the Nominating and Governance Committee reviews these directors' overall service to the Company during their terms, including the number of meetings attended, level of participation, quality of performance and any other relationships and transactions that might impair the directors' independence. In the case of new director candidates, the Nominating and Governance Committee also determines whether the nominee is independent for NASDAQ purposes, which determination is based upon applicable NASDAQ listing standards, applicable SEC rules and regulations and the advice of counsel, if necessary. The Nominating and Governance Committee then uses its network of contacts to compile a list of potential candidates, but may also engage, if it deems appropriate, a professional search firm. The Nominating and Governance Committee conducts any appropriate and necessary inquiries into the backgrounds and qualifications of possible candidates after considering the function and needs of our Board of Directors. The Nominating and Governance Committee meets to discuss and consider the candidates' qualifications and then selects a nominee for recommendation to our Board of Directors by majority vote.



The Nominating and Governance Committee will consider director candidates recommended by stockholders. The Nominating and Governance Committee does not intend to alter the manner in which it evaluates candidates based on whether or not the candidate was recommended by a stockholder. Stockholders who wish to recommend individuals for consideration by the Nominating and Governance Committee to become nominees for election to the Board may do so by delivering a written recommendation to the Nominating and Governance Committee at the following address: 2505 Meridian Parkway, Suite 100, Durham, North Carolina 27713, Attn: Secretary, no later than the 90th day and no earlier than the 120th day prior to the one year anniversary of the preceding year's annual meeting. Submissions must include (1) the name and address of the Company stockholder on whose behalf the submission is made; (2) the number of Company shares that are owned beneficially by such stockholder as of the date of the submission; (3) the full name of the proposed candidate; (4) a description of the proposed candidate's business experience for at least the previous five years; (5) the complete biographical information for the proposed candidate; (6) a description of the proposed candidate's qualifications as a director; and (7) any other information required by the Company's bylaws. The Company may require any proposed nominee to furnish such other information as it may reasonably require to determine the eligibility of such proposed nominee to serve as an independent director of the Company or that could be material to a reasonable stockholder's understanding of the independence, or lack thereof, of such proposed nominee.

The Nominating and Governance Committee met five times during 2017. The Nominating and Governance Committee has adopted a written charter that is available to stockholders on the Company's website at [www.chimerix.com](http://www.chimerix.com). The information on our website is not incorporated by reference into this Proxy Statement or our Annual Report for fiscal 2017.

#### Stockholder Communications with the Board of Directors

Our Board of Directors has adopted a formal process by which stockholders may communicate with the Board of Directors or any of its directors. Stockholders who wish to communicate with the Board of Directors may do so by sending written communications addressed to the Secretary of Chimerix, Inc. at 2505 Meridian Parkway, Suite 100, Durham, NC, 27713. Each communication must set forth: the name and address of the Company stockholder on whose behalf the communication is sent and the number of Company shares that are owned beneficially by such stockholder as of the date of the communication. Each communication will be reviewed by the Company's Secretary to determine whether it is appropriate for presentation to the Board of Directors or such director. Communications determined by the Company's Secretary to be appropriate for presentation to the Board of Directors or such director will be submitted to the Board of Directors or such director on a periodic basis.

#### Code of Ethics

The Company has adopted the Chimerix Code of Business Conduct and Ethics that applies to all officers, directors and employees. The Code of Business Conduct and Ethics is available on the Company's website at [www.chimerix.com](http://www.chimerix.com). If the Company makes any substantive amendments to the Code of Business Conduct and Ethics or grants any waiver from a provision of the Code to any executive officer or director, the Company will promptly disclose the nature of the amendment or waiver on its website. The information on our website is not incorporated by reference into this Proxy Statement or our Annual Report for fiscal year 2017.

#### Prohibition of Speculative Trading

The Company has adopted an Insider Trading Policy that provides, among other things, that no officer, director, other employee or consultant of the Company may engage in short sales, transactions in put or call options, hedging transactions or other inherently speculative transactions with respect to the Company's stock at any time. In addition, under the terms of the Insider Trading Policy, no officer, director, other employee or consultant of the Company may margin, or make any offer to margin, any of the Company's stock, including without limitation, borrowing against such



stock, at any time.

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## PROPOSAL 2

## RATIFICATION OF SELECTION OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Audit Committee has selected Ernst & Young LLP as the Company's independent registered public accounting firm for its fiscal year ending December 31, 2018 and has further directed that management submit the selection of independent registered public accounting firm for ratification by the stockholders at the Annual Meeting. Ernst & Young has audited the Company's financial statements since 2008. Representatives of Ernst & Young are expected to be present at the Annual Meeting. They will have an opportunity to make a statement if they so desire and will be available to respond to appropriate questions.

Neither the Company's bylaws nor other governing documents or law require stockholder ratification of the selection of Ernst & Young as the Company's independent registered public accounting firm. However, the Audit Committee is submitting the selection of Ernst & Young to the stockholders for ratification as a matter of good corporate practice. If the stockholders fail to ratify the selection, the Audit Committee will reconsider whether or not to retain that firm. Even if the selection is ratified, the Audit Committee in its discretion may direct the appointment of different independent auditors at any time during the year if they determine that such a change would be in the best interests of the Company and its stockholders.

The affirmative vote of the holders of a majority of the shares present in person or represented by proxy and entitled to vote on the matter will be required to ratify the selection of Ernst & Young. Abstentions will be counted toward the tabulation of votes on proposals presented to the stockholders and will have the same effect as negative votes. Broker non-votes (if any) are counted towards a quorum, but are not counted for any purpose in determining whether this matter has been approved.

## THE BOARD OF DIRECTORS RECOMMENDS A VOTE IN FAVOR OF PROPOSAL 2

## Principal Accountant Fees and Services

The following table represents aggregate fees billed to the Company by Ernst & Young for the fiscal years ended December 31, 2017 and 2016. All fees described below were pre-approved by the Audit Committee.

	Year Ended	
	December 31,	
	2017	2016
	(in thousands)	
Audit Fees <sup>(1)</sup>	\$508	\$377
Audit-Related Fees	—	—
Tax Fees	—	—
All Other Fees	—	—
Total Fees	\$508	\$377

(1) Audit fees consist of fees billed for professional services by Ernst & Young LLP for audit and quarterly review of our financial statements, review of our registration statements on Form S-3, and related services.

In connection with the audit of the 2016 and 2017 financial statements, the Company entered into an engagement agreement with Ernst & Young which sets forth the terms by which Ernst & Young would perform audit services for the Company. That agreement is subject to alternative dispute resolution procedures.



### Pre-Approval Policies and Procedures

The Audit Committee has adopted a policy and procedures for the pre-approval of audit and non-audit services rendered by the Company's independent registered public accounting firm, Ernst & Young LLP. The policy generally pre-approves specified services in the defined categories of audit services, audit-related services and tax services up to a specified amount. Pre-approval may also be given as part of the Audit Committee's approval of the scope of the engagement of the independent auditor or on an explicit case-by-case basis before the independent auditor is engaged to provide each service. The pre-approval of services has been non-exclusively delegated to the Chair of the Audit Committee, who must report any pre-approval decisions to the full Audit Committee at its next scheduled meeting, provided that the Chair of the Audit Committee is not able to pre-approve any service resulting in fees greater than \$50,000.

### PROPOSAL 3

#### ADVISORY VOTE ON EXECUTIVE COMPENSATION

Our Compensation Discussion and Analysis, which appears later in this Proxy Statement, describes our executive compensation program and the compensation decisions that the Compensation Committee and our Board of Directors made in 2017 with respect to the compensation of our named executive officers. As required pursuant to Section 14A of the Securities Exchange Act, our Board of Directors is asking that stockholders cast a non-binding, advisory vote FOR the following resolution:

“RESOLVED, that the compensation paid to the Company's named executive officers, as disclosed pursuant to Item 402 of Regulation S-K, including the Compensation Discussion and Analysis, compensation tables and narrative discussion, is hereby APPROVED.”

As we describe in our Compensation Discussion and Analysis below, our executive compensation program embodies a pay-for-performance philosophy that supports our business strategy and aligns the interests of our executives with our stockholders. In particular, our compensation program rewards financial, strategic and operational performance and the goals set for each performance category are intended to support our long-range plans.

You are urged to read the Compensation Discussion and Analysis section of this Proxy Statement, which discusses in detail how our compensation policies and procedures implement our compensation philosophy. Although the vote you are being asked to cast is non-binding, we value the views of our stockholders, and the Compensation Committee and our Board of Directors will consider the outcome of the vote when making future compensation decisions for our named executive officers.

#### OUR BOARD OF DIRECTORS RECOMMENDS THAT STOCKHOLDERS VOTE FOR THE ADVISORY VOTE ON EXECUTIVE COMPENSATION

#### EXECUTIVE OFFICERS

The following table sets forth certain information regarding our executive officers:

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Name	Age	Position(s)
M. Michelle Berrey, M.D., M.P.H.	51	President and Chief Executive Officer
W. Garrett Nichols, M.D., M.S.	49	Chief Medical Officer
Timothy W. Trost, C.P.A.	60	Senior Vice President, Chief Financial Officer and Corporate Secretary
Linda M. Richardson	54	Chief Strategy and Commercial Officer

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M. Michelle Berrey, M.D., M.P.H. Please see Dr. Berrey's biography included in the director section above.

W. Garrett Nichols, M.D., M.S. Dr. Nichols has served as Chief Medical Officer since September 2014. Prior to joining the Company, Dr. Nichols had been employed by ViiV Healthcare since April 2014, where he was the Head of Global Development. Prior to his tenure at ViiV, Dr. Nichols spent ten years at GlaxoSmithKline from August 2004 to April 2014 leading multiple global antiviral programs in the United States and Europe, including the development and regulatory submissions to the FDA and EMA for the approval of Tivicay and the recent FDA approval of Triumeq. From 2001 to 2004, Dr. Nichols was a member of the faculty at the Fred Hutchinson Cancer Research Center in Seattle, WA, where he was the principal investigator on NIH-funded grants exploring the prevention and treatment of CMV and respiratory virus infections in HCT recipients. Dr. Nichols received his M.D. from Duke University and earned an M.S. in Epidemiology from the University of Washington, where he completed a Fellowship in Infectious Diseases.

Timothy W. Trost, C.P.A. Mr. Trost joined us in March 2011 as our Senior Vice President, Chief Financial Officer, and has also served as our Corporate Secretary since February 2012. Prior to serving as an employee, since July 2010 Mr. Trost served as a consultant in connection with our Series F preferred stock financing and our contract with the Biomedical Advanced Research and Development Authority. From July 2002 to February 2010, Mr. Trost served as Vice President and Chief Financial Officer at Argos Therapeutics, Inc., a venture-backed immunotherapy company (currently NASDAQ: ARGX). From March 1997 to June 2002, Mr. Trost served as Senior Vice President and Chief Financial Officer at InteCardia, Inc., a venture-backed cardiac imaging company that was acquired by Syncor International Corporation in September 2001. From March 1994 to March 1997, Mr. Trost served as Executive Vice President and Chief Financial Officer of Coastal Physician Group, Inc. (NYSE: DR), a contract provider of emergency room physicians, having joined as Vice President of Corporate Development. From October 1992 to March 1994, Mr. Trost served as Vice President of Finance at Morganite North America, Inc. From July 1980 through September 1992, Mr. Trost was with PricewaterhouseCoopers LLP, last serving as a Senior Manager in the Research Triangle practice. Mr. Trost holds a B.S. in accounting from the University of Illinois at Urbana-Champaign and is a Certified Public Accountant.

Linda M. Richardson. From January 2014 to April 2017, Ms. Richardson served as our Chief Commercial Officer. In April 2017, the Board of Directors promoted Ms. Richardson to the role of Chief Strategy and Commercial Officer in recognition of Ms. Richardson's demonstrated leadership and expertise in global market development, corporate communications, portfolio management and business development. Prior to joining the Company, from December 2011, Ms. Richardson served as Vice-President, Head of Global lixisenatide franchise at Sanofi S.A., a global pharmaceutical company. From September 2008 to November 2011, Ms. Richardson served as Vice President, U.S. Marketing at Sanofi S.A. where she held various marketing leadership responsibilities with eplivanserin, Auvi-Q and Multaq. From October 2006 to June 2008, Ms. Richardson served as Vice President, Marketing at Reliant Pharmaceuticals, Inc. Ms. Richardson earned a B.A. in English from the University of Pennsylvania.

## SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table sets forth certain information regarding the ownership of the Company's common stock as of April 1, 2018 by: (i) each director and nominee for director; (ii) each of the executive officers named in the Summary Compensation Table; (iii) all current executive officers and directors of the Company as a group; and (iv) all those known by the Company to be beneficial owners of more than 5% of its common stock.

The percentage ownership information shown in the table is based upon 47,753,300 shares of common stock outstanding as of April 1, 2018. Information with respect to beneficial ownership has been furnished by each director, officer or beneficial owner of more than 5% of our common stock. We have determined beneficial ownership in

accordance with the rules of the SEC. These rules generally attribute beneficial ownership of securities to persons who possess sole or shared voting power or investment power

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with respect to those securities. In addition, the rules include shares of common stock issuable pursuant to the exercise of stock options or warrants that are either immediately exercisable or exercisable on or before May 31, 2018, which is 60 days after April 1, 2018. These shares are deemed to be outstanding and beneficially owned by the person holding those options or warrants for the purpose of computing the percentage ownership of that person, but they are not treated as outstanding for the purpose of computing the percentage ownership of any other person. Unless otherwise indicated, the persons or entities identified in this table have sole voting and investment power with respect to all shares shown as beneficially owned by them, subject to applicable community property laws.

Except as otherwise noted below, the address for each person or entity listed in the table is c/o Chimerix, Inc., 2505 Meridian Parkway, Suite 100, Durham, North Carolina 27713.

Name and Address of Beneficial Owner	Number of Shares Beneficially Owned	Percentage of Shares Beneficially Owned
5% or greater stockholders		
FMR LLC <sup>(1)</sup> 245 Summer Street Boston, MA 02210	6,892,477	14.4 %
Redmile Group, LLC, and its affiliated entities <sup>(2)</sup> One Letterman Drive, Bldg. D, Ste. D3-300 San Francisco, CA 94129	3,832,778	8.0 %
BlackRock, Inc., and its affiliated entities <sup>(3)</sup> 55 East 52 <sup>nd</sup> Street, New York, NY 10055	3,530,729	7.4 %
Sanderling Venture Partners V, L.P., and its affiliated entities <sup>(4)</sup> 400 South El Camino Real, Suite 1200 San Mateo, CA 94402	3,311,400	6.9 %
ArrowMark Colorado Holdings, LLC <sup>(5)</sup> 100 Fillmore Street, Suite 325, Denver, CO 80206	2,707,986	5.7 %
Directors and named executive officers		
Fred A. Middleton <sup>(6)</sup>	3,378,923	7.1 %
M. Michelle Berrey, M.D., M.P.H. <sup>(7)</sup>	1,066,581	2.2 %
Timothy W. Trost, C.P.A. <sup>(8)</sup>	390,113	*
Ernest Mario, Ph.D. <sup>(9)</sup>	349,301	*
Linda M. Richardson <sup>(10)</sup>	330,424	*
W. Garrett Nichols, M.D., M.S. <sup>(11)</sup>	291,911	*
Martha J. Demski <sup>(12)</sup>	86,389	*
Patrick Machado <sup>(13)</sup>	73,875	*
James M. Daly <sup>(14)</sup>	63,875	*
Catherine L. Gilliss, Ph.D., R.N., F.A.A.N. <sup>(15)</sup>	63,875	*
John M. Leonard, M.D. <sup>(16)</sup>	63,875	*
Ronald C. Renaud, Jr. <sup>(17)</sup>	52,625	*
James Niedel, MD, Ph.D. <sup>(18)</sup>	46,250	*
Edward F. Greissing, Jr.	-	*
Robert J. Meyer, MD	-	*
All current executive officers and directors as a group (15 persons) <sup>(19)</sup>	6,258,017	12.5 %

\* Represents beneficial ownership of less than one percent.

Based on information set forth in a Schedule 13G/A filed with the SEC on February 13, 2018 by FMR LLC (1) reporting sole power to vote or direct the vote over 1,510,326 shares of common stock and the sole power to dispose or to direct the disposition of 6,892,477 shares of common stock.





Based on information set forth in a Schedule 13G filed with the SEC on February 14, 2018 by Redmile Group,  
(2) LLC reporting shared power to vote or direct the vote over 3,832,778 shares of common stock and the shared power to dispose or to direct the disposition of 3,832,778 shares of common stock.

Based on information set forth in a Schedule 13 G/A filed with the SEC on January 29, 2018 by BlackRock, Inc.  
(3) reporting sole power to vote or direct the vote over 3,472,578 shares of common stock and the sole power to dispose or to direct the disposition of 3,530,729 shares of common stock.

Includes 829,046 shares of common stock held by Sanderling Venture Partners V, L.P., 233,134 shares of common stock held by Sanderling V Biomedical, L.P., 155,143 shares of common stock held by Sanderling V Limited Partnership, 138,046 shares of common stock held by Sanderling V Beteiligungs GmbH & Co. KG, 199,853 shares of common stock held by Sanderling V Biomedical Co-Investment Fund, L.P., 329,682 shares of common stock held by Sanderling Venture Partners V Co-Investment Fund, L.P., 891,189 shares of common stock held by Sanderling V Strategic Exit Fund, L.P. (collectively, the Sanderling V Shares), 498,046 shares of common stock held by Sanderling Venture Partners VI Co-Investment Fund, L.P., 15,431 shares of common stock held by Sanderling VI Beteiligungs GmbH & Co. KG, 18,384 shares of common stock held by Sanderling VI Limited Partnership (collectively, the Sanderling VI Shares) and 3,446 shares of common stock held by Middleton-McNeil Retirement Trust. Timothy J. Wollaeger, Fred A. Middleton, Robert G. McNeil and Timothy C. Mills share voting and investment power with respect to the Sanderling V Shares. Robert G. McNeil, Fred A. Middleton, Timothy C. Mills and Timothy J. Wollaeger share voting and investment power with respect to the Sanderling VI Shares. Fred A. Middleton and Robert G. McNeil share voting and investment power with respect to the shares held by the Middleton-McNeil Retirement Trust. Each of these individuals disclaims beneficial ownership of such shares, except to the extent of his or her pecuniary interest therein. The address for this stockholder is 400 S. El Camino Real, Suite 1200, San Mateo, CA 94402.

Based on information set forth in a Schedule 13G filed with the SEC on February 9, 2018 by ArrowMark Colorado  
(5) Holding, LLC reporting sole power to vote or direct the vote over 2,707,986 shares of common stock and the sole power to dispose or to direct the disposition of 2,707,986 shares of common stock.

Includes 829,046 shares of common stock held by Sanderling Venture Partners V, L.P., 233,134 shares of common stock held by Sanderling V Biomedical, L.P., 155,143 shares of common stock held by Sanderling V Limited Partnership, 138,046 shares of common stock held by Sanderling V Beteiligungs GmbH & Co. KG, 199,853 shares of common stock held by Sanderling V Biomedical Co-Investment Fund, L.P., 329,682 shares of common stock held by Sanderling Venture Partners V Co-Investment Fund, L.P., 891,189 shares of common stock held by Sanderling V Strategic Exit Fund, L.P. (collectively, the Sanderling V Shares), 498,046 shares of common stock held by Sanderling Venture Partners VI Co-Investment Fund, L.P., 15,431 shares of common stock held by Sanderling VI Beteiligungs GmbH & Co. KG, 18,384 shares of common stock held by Sanderling VI Limited Partnership (collectively, the Sanderling VI Shares), 3,446 shares of common stock held by Middleton-McNeil Retirement Trust and 67,523 shares of common stock held by Mr. Middleton. Mr. Middleton, one of our directors, Timothy J. Wollaeger, Robert G. McNeil and Timothy C. Mills share voting and investment power with respect to the Sanderling V Shares. Robert G. McNeil, Timothy C. Mills, Timothy J. Wollaeger and Mr. Middleton share voting and investment power with respect to the Sanderling VI Shares. Robert G. McNeil and Mr. Middleton share voting and investment power with respect to the shares held by the Middleton-McNeil Retirement Trust. Each of these individuals disclaims beneficial ownership of such shares, except to the extent of his or her pecuniary interest therein. The address for this stockholder is 400 S. El Camino Real, Suite 1200, San Mateo, CA 94402.

(7) Includes 298,191 shares held by Dr. Berrey of which 89,685 shares are held by the M. Michelle Berrey Revocable Trust u/a 12/30/08, and 768,390 shares which Dr. Berrey has the right to acquire or receive from us within 60 days

of April 1, 2018 pursuant to the exercise of stock options and vesting of RSUs.

(8) Includes 65,190 shares held by Mr. Trost, and 324,923 shares which Mr. Trost has the right to acquire from us within 60 days of April 1, 2018 pursuant to the exercise of stock options and vesting of RSUs.

Includes 281,440 shares held by Dr. Mario, of which 268,535 shares are held by the Ernest and Mildred Mario (9) Revocable Trust, Ernest and Mildred Mario, Trustees, and 67,861 shares which Dr. Mario has the right to acquire from us within 60 days of April 1, 2018 pursuant to the exercise of stock options.

(10) Includes 5,925 shares held by Ms. Richardson and 324,499 shares which Ms. Richardson has the right to acquire or receive from us within 60 days of April 1, 2018 pursuant to the exercise of stock options and vesting of RSUs.

(11) Includes 35,870 shares held by Dr. Nichols and 256,041 shares which Dr. Nichols has the right to acquire or receive from us within 60 days of April 1, 2018 pursuant to the exercise of stock options and vesting of RSUs.

(12) Includes 14,788 shares held by the Martha J. Demski Trust u/d/t 10/01/94, and 71,601 shares which Ms. Demski has the right to acquire from us within 60 days of April 1, 2018 pursuant to the exercise of stock options.

(13) Includes 10,000 shares held by Mr. Machado and 63,875 shares which Mr. Machado has the right to acquire from us within 60 days of April 1, 2018 pursuant to the exercise of stock options.

(14) Includes 63,875 shares which Mr. Daly has the right to acquire from us within 60 days of April 1, 2018 pursuant to the exercise of stock options.

(15) Includes 63,875 shares which Dr. Gilliss has the right to acquire from us within 60 days of April 1, 2018 pursuant to the exercise of stock options.

(16) Includes 63,875 shares which Dr. Leonard has the right to acquire from us within 60 days of April 1, 2018 pursuant to the exercise of stock options.

(17) Includes 52,625 shares which Mr. Renaud has the right to acquire from us within 60 days of April 1, 2018 pursuant to the exercise of stock options.

(18) Includes 46,250 shares which Dr. Niedel has the right to acquire from us within 60 days of April 1, 2018 pursuant to the exercise of stock options.

Includes 4,090,327 shares held by all current executive officers and directors as a group, and 2,167,690 shares (19) that all current executive officers and directors as a group have the right to acquire from us within 60 days of April 1, 2018 pursuant to the exercise of stock options and vesting of RSUs.

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

Section 16(a) of the Exchange Act requires the Company's directors and executive officers, and persons who own more than ten percent of a registered class of the Company's equity securities, to file with the SEC initial reports of ownership and reports of changes in ownership of common stock and other equity securities of the Company. Officers, directors and greater than ten percent stockholders are required by SEC regulation to furnish the Company with copies of all Section 16(a) forms they file.



To the Company's knowledge, based solely on a review of the copies of such reports furnished to the Company and written representations that no other reports were required, during the fiscal year ended December 31, 2017, all Section 16(a) filing requirements applicable to its officers, directors and greater than ten percent beneficial owners were complied with.

## EXECUTIVE AND DIRECTOR COMPENSATION

### EXECUTIVE COMPENSATION

#### Compensation Discussion and Analysis

This Compensation Discussion and Analysis describes our executive compensation policies and how and why our Compensation Committee arrived at specific compensation decisions for the year ended December 31, 2017 for the individuals who served as our principal executive officer, principal financial officer and our two other most highly compensated executive officers as of December 31, 2017: M. Michelle Berrey, M.D., M.P.H., our President and Chief Executive Officer; Timothy W. Trost, C.P.A., our Senior Vice President, Chief Financial Officer, and Corporate Secretary; W. Garrett Nichols, M.D., M.S., our Chief Medical Officer; and Linda M. Richardson, our Chief Strategy and Commercial Officer. Each of these individuals were named executive officers for the year ended December 31, 2017.

#### Business Overview

We are a biotechnology company committed to discovering, developing and commercializing medicines that address significant, unmet medical needs. We were founded in 2000 based on the promise of our proprietary lipid conjugate technology to unlock the potential of some of the most promising antivirals by enhancing their antiviral activity and safety profiles in convenient dosing regimens. Our lead compound, brincidofovir (BCV), is in development as both oral and intravenous (IV) formulations for the prevention and treatment of DNA viruses, including smallpox, adenoviruses, and the human herpesviruses. We are also advancing the development of CMX521 for the treatment and prevention of norovirus. In addition, we have an active discovery program focusing on viral targets for which limited or no therapies are currently available.

Our business strategy is to discover, develop and commercialize novel therapeutics in areas of significant unmet medical need. Our primary initial focus is leveraging the broad-spectrum profile of BCV to address the multiple DNA viral infections common in transplant recipients and patients with relative immune compromise. Given the importance of our strategy in achieving our purpose as a Company and in delivering value to shareholders, we tie a significant portion of our executive compensation programs to the achievement of related strategic business objectives.

#### Executive Summary

Shortly before the beginning of 2016, we reported negative top-line results from our Phase 3 SUPPRESS trial, which caused our stock price to decline significantly and required us to re-evaluate our development plans for each of our potential indications. During 2016 and 2017 we made considerable progress defining our intended paths forward for oral BCV for short course treatment of adenovirus infection and for smallpox, and advancing a new IV BCV formulation through Phase 1. These developments have positioned the Company well to achieve a number of milestones throughout 2018 and into 2019 that we believe will be instrumental in advancing BCV in order to benefit patients fighting these serious viral infections. In addition, in 2017 we initiated clinical testing of CMX521, from the Chimerix Chemical Library, as our lead clinical candidate for the treatment and prevention of norovirus infection.



The following are specific actions we took with respect to our 2017 executive compensation program:

**Performance-vesting awards.** We changed our long-term equity program for our executive officers such that their 2017 annual equity grants included RSUs that vest only if rigorous performance goals related to our key programs are achieved.

**Lowered 2017 equity grants.** Based upon an evaluation of company performance during 2016, our 2017 annual equity grants to our named executive officers covered fewer shares and had a lower grant date fair value than their 2016 annual equity grants.

**Bonuses below target.** We achieved 90% of our corporate goals for 2017 and, with the exception of the CFO and CMO, paid performance-based bonuses below target.

**Cash compensation.** Our cash compensation is generally aligned with the 50<sup>th</sup> percentile for our identified peer group. Peer group. We reevaluated our peer group and made changes in order to ensure our peers were aligned with our Company profile.

The important features of our executive compensation program include the following:

**We tie pay to performance.** Consistent with our desire to align pay outcomes with actual Company performance, a significant percentage of our named executive officers' target compensation is at-risk and tied directly to measurable performance objectives. For 2017, 75% of the Chief Executive Officer's target compensation and 62% of the average of the other named executive officers' target compensation was distributed towards variable or at-risk pay components, consisting of annual bonus, time based restricted stock units (RSUs), performance-based RSUs (PRSUs) and stock options.

**Our executive bonuses are dependent on meeting corporate objectives.** Our annual performance-based bonus opportunities for all of our named executive officers are dependent upon our achievement of annual corporate objectives and approved by our Board of Directors. In 2017, we achieved 90% of our specified corporate objectives for 2017, based on five pre-established criteria.

**We emphasize long-term equity incentives that are directly dependent on our performance.** Equity awards are an integral part of our executive compensation program, and comprise the primary "at-risk" portion of our named executive officer compensation package. We consider stock options performance-based because they provide value only if the market price of our stock increases and if the executive officer continues in our employment over the option term. In 2016, we introduced RSUs and



in 2017 we introduced performance-vesting RSUs as part of our executive compensation program. These awards strongly align our executive officers' interests with those of our stockholders by providing a continuing financial incentive to maximize long-term value for our stockholders and by encouraging our executive officers to remain in our long-term employ.

Change in control benefits are limited to double-trigger payments which require termination other than for cause or resignation for good reason in connection with a change of control to trigger cash severance payments or equity vesting.

❖ We do not provide our executive officers with any excise tax or other tax gross ups.

❖ We generally do not provide any executive fringe benefits or perquisites to our executives, such as car allowances, personal security, or financial planning advice.

Our Compensation Committee retains an independent third-party compensation consultant for guidance in making compensation decisions and advice on market practices so that our Compensation Committee can regularly assess the Company's individual and total compensation programs against these peer companies, the general marketplace and other industry data points.

❖ We prohibit any and all hedging and pledging of Company stock.

We solicit feedback from our largest stockholders to understand our stockholders' views on our corporate governance and compensation programs. During 2017, we solicited feedback on our executive compensation from stockholders holding 5% or more of our outstanding common stock and we engaged in meaningful discussions with several of these top holders regarding our pay program.

Clawback policy. We maintain a clawback policy under which, if our financial statements are restated due to material noncompliance with any financial reporting requirement under federal securities laws, our Board will seek to recover from our executive officers any equity or cash incentive compensation that was paid or vested during the three-year period prior to the restatement that would not have been paid or vested based on the restated financial results.

#### CEO's Realizable Compensation

Because we pay a significant portion of compensation as long-term equity awards, we believe that viewing the compensation that is actually realizable by our Chief Executive Officer is important to an understanding of our executive compensation program. Realizable pay recognizes the impact of actual financial and stock performance in the returns available (or "realizable") by the executive. In contrast, reported pay (which reflects the grant date fair value for equity awards used in Summary Compensation Table disclosure) estimates the expected value of compensation on the day it was granted, in accordance with financial accounting principles. Realizable pay helps investors understand the sensitivity of our compensation to actual financial and market performance and the resulting returns available to the executive. The Compensation Committee believes that given the heavily-weighted pay-for-performance structure of our executive compensation program, realizable pay is an important measure to review in analyzing the alignment between our compensation and our stock price performance.

The chart below shows our indexed total stockholder return (TSR) over the past three years, with both the total reported compensation of Dr. Berrey for each year as well as Dr. Berrey's "realizable" pay, which reflects base salary and annual performance-bonus earned and values equity awards using their intrinsic value as of the end of the applicable year (whether or not vested and



exercisable). Intrinsic value, in the case of options, is the difference between the stock price on December 31, 2017 and the exercise price of a share of our stock subject to an outstanding award. For RSUs and PRSUs, the intrinsic value is the stock price on December 31, 2017 multiplied by the number of shares underlying outstanding RSUs and PSUs. Intrinsic value differs from the value reported in the Summary Compensation Table, in that intrinsic value represents the value that could be received by the award recipient, whereas the value as required to be reported in the Summary Compensation Table represents a hypothetical value of an award on the grant date, regardless of subsequent events affecting the share price. One-third of PRSUs granted to each of our named executive officers during 2017 were forfeited based on non-achievement of the performance conditions, and have zero intrinsic value (see “Performance-Based Restricted Stock Units“ below). Indexed TSR is the return associated with a hypothetical \$100 investment in our stock at the beginning of the relevant period.

As shown in the chart, for 2017, realizable pay at the end of the year was significantly less than (roughly 65% the value of) reported pay; at the same time, our TSR remained level, increasing by 1% during 2017. Reported pay for 2017 is less than reported pay for 2015 and for 2016 (as our share price has declined approximately 48% since the end of 2015). 2017 realizable pay, while higher than 2015 and 2016, is still substantially lower than 2017 reported pay, due to the use of options as the primary equity vehicle, which did not have any realizable value at the end of the year as a result of the general decrease in our stock price during 2017 after the date of grant, thus aligning our executives’ interests with those of our stockholders. Moreover, one-third of PRSUs granted to each of our executive officers during 2017 were forfeited, further decreasing 2017 realizable value as compared to 2017 reported value. 2017 realizable pay is higher than 2016 realizable pay as a result of structuring the equity award in 2017 to consist of RSUs as well as stock options. Unlike stock options, RSUs will retain value directly commensurate with our stock price, and therefore still deliver potential incentive value (albeit a lower one) should the stock price fall below the price on the date of grant of the award.

The Compensation Committee also believes that reviewing realizable pay and our stock price performance in the context of our peer companies is an important measure in assessing our pay-for-performance alignment against those companies with whom we compete. The chart below shows the percentile of our CEO’s realizable pay over the prior three-year period (2015-2017) compared to our TSR performance percentile over the same period, as compared to our peer companies approved for 2017 compensation.

As reflected in the chart, our CEO's realizable compensation ranked below the median (32<sup>nd</sup> percentile) of the peer group and our TSR is likewise ranked below the median (3<sup>rd</sup> percentile) of the peer group, showing general alignment of our CEO's realizable compensation with our TSR performance over the three-year period.

While the Compensation Committee recognizes that TSR is not the sole measure of our performance, we are mindful that TSR is important to our stockholders and the measure most commonly used by institutional investors in assessing the alignment between pay and performance. We recognize there are a variety of ways to measure pay-for-performance alignment, and multiple measurements are often appropriate. We expect to continue to review and present the alignment of executive compensation with our performance, as measured in the manner we determine most appropriate for our Company, and as may be required to comply with regulations issued by the SEC.

#### Advisory Vote on Executive Compensation

At our 2017 Annual Meeting, our stockholders approved, on an advisory basis, the compensation of the named executive officers, as disclosed in our 2017 Proxy Statement for that meeting pursuant to the compensation disclosure rules of the SEC. The Compensation Committee reviewed the final vote results for the proposal, and, given the level of shareholder support (approximately 99.2% of total votes cast with respect to the advisory proposal, a nearly 9% increase over the prior year) and considering our discussions with our top stockholders regarding our pay program, concluded that our compensation program provided a competitive performance package that incentivizes our named executive officers and encourages their retention over the long-term. Accordingly, the Compensation Committee determined not to make any significant changes to our executive compensation policies or decisions as a result of the vote; however, our Compensation Committee elected to monitor and continually evaluate our compensation program going forward in light of our stockholders' views and our evolving business needs. Our Compensation Committee expects to continue to consider the outcome of our say on pay votes and our stockholders' views when making future compensation decisions for the named executive officers.

## Overview of our Executive Compensation Program

### Objectives, Philosophy and Elements of Compensation

The overall objectives of our executive compensation policies and programs are to:

- attract, retain and motivate superior executive talent;
- provide incentives that reward the achievement of performance goals that directly correlate to the enhancement of stockholder value, as well as to facilitate executive retention; and
- align our executives' interests with those of our stockholders through long-term incentives linked to specific performance.

Our executive compensation program generally consists of, and is intended to strike a balance among, the following three principal components: base salary, annual performance-based bonuses and long-term incentive compensation. We also provide our executive officers with severance and change-in-control benefits, as well as other benefits available to all our employees, including retirement benefits under the Company's 401(k) plan and participation in employee benefit plans. The following chart summarizes the three main elements of compensation, their objectives and key features.

Element of Compensation	Objectives	Key Features
Base Salary (fixed cash)	Provides financial stability and security through a fixed amount of cash for performing job responsibilities.	Generally reviewed annually at the beginning of the year and determined based on a number of factors (including individual performance, internal equity, retention, expected cost of living increases and the overall performance of our Company) and by reference to market data provided by our independent compensation consultant. Target bonus amounts, calculated as a percentage of base salary, are generally reviewed annually at the beginning of the year and determined based upon positions that have similar impact on the organization and competitive bonus opportunities in our market.
Performance Bonus (at-risk cash)	Motivates and rewards for attaining rigorous annual corporate performance goals that relate to our key business objectives.	Bonus opportunities are dependent upon achievement of specific corporate performance objectives, generally determined by the Compensation Committee and Board of Directors and communicated at the beginning of the year. Actual bonus amounts earned are determined after the end of the year, based on achievement of the designated corporate performance objectives.
Long-Term Incentive (at-risk equity)	Motivates and rewards for long-term Company performance; aligns executives' interests with stockholder interests and changes in stockholder value. Attracts highly qualified executives and encourages their continued employment over the long-term.	Annual equity opportunities are generally reviewed and determined annually at the beginning of the year or as appropriate during the year for new hires, promotions, or other special circumstances, such as to encourage retention, or as a reward for significant achievement. Individual grants are determined based on a number of factors, including current corporate and individual performance, outstanding equity holdings and their retention value and total ownership, historical value of our stock, internal equity amongst executives and market data provided by our independent compensation consultant. Equity grants for 2017 were provided primarily in the form of stock options, time-based RSUs, and performance-based RSUs that vest over a period of three or four years and may also vest contingent on our achievement of designated performance goals.

In evaluating our executive compensation policies and programs, as well as the short-term and long-term value of our executive compensation plans, we consider both the performance and skills of each of our executives, as well as the compensation paid to executives in similar companies with similar responsibilities. We focus on providing a competitive compensation package which provides significant short and long-term incentives for the achievement of measurable corporate objectives. We believe that this approach provides an appropriate blend of short-term and long-term incentives to maximize stockholder value.

We do not have any formal policies for allocating compensation among salary, performance bonus awards and equity grants, short-term and long-term compensation or among cash and non-cash compensation. Instead, the Compensation Committee uses its judgment to establish a total compensation program for each named executive officer that is a mix of current, short-term and long-term incentive compensation, and cash and non-cash compensation, that it believes appropriate to achieve the goals of our executive compensation program and our corporate objectives. However, a significant portion of the named executive officers' total target compensation is comprised of performance-based bonus opportunities and long-term equity awards, in order to align the executive officers' incentives with the interests of our stockholders and our corporate goals.



In making executive compensation decisions, the Compensation Committee generally considers each executive officer's total target direct compensation, which consists of base salary, target bonus opportunity, which together with base salary we refer to as target cash compensation, and long-term equity awards (valued based on an approximation of grant date fair value).

#### Role of the Compensation Committee and Executive Officers in Setting Executive Compensation

The Compensation Committee reviews and oversees our executive compensation policies, plans and programs and reviews and determines the compensation to be paid to all of the executive officers, including the named executive officers. In making its executive compensation determinations, the Compensation Committee considers recommendations from the Chief Executive Officer for executive officers other than herself. In making her recommendations, the Chief Executive Officer receives input from our Human Resources department and has access to various third party compensation surveys and compensation data provided by the independent compensation consultant to the Compensation Committee, as described below. While the Chief Executive Officer discusses her recommendations for the other executive officers with the Compensation Committee, she does not participate in the deliberations concerning, or the determination of, her own compensation. In addition to our Chief Executive Officer, our Chief Financial Officer, as well as members of our Human Resources and Legal departments may also attend Compensation Committee meetings from time to time and may take part in discussions of executive compensation. The Compensation Committee discusses and makes final determinations with respect to executive compensation matters without any named executive officers or other executive officers present (other than the Chief Executive Officer as described above). From time to time, various other members of management and other employees as well as outside advisors or consultants may be invited by the Compensation Committee to make presentations, provide financial or other background information or advice or otherwise participate in the Compensation Committee meetings.

The Compensation Committee meets periodically throughout the year to manage and evaluate our executive compensation program, and generally determines the principal components of compensation (base salary, performance bonus and equity awards) for our executive officers on an annual basis, typically at the beginning of each fiscal year; however, decisions may occur during the year for new hires, promotions or other special circumstances as our Compensation Committee determines appropriate, such as retention challenges. The Compensation Committee does not delegate its authority to approve executive officer compensation. The Compensation Committee does not maintain a formal policy for the timing of equity awards to our executive officers; annual awards are generally approved at a meeting of the Compensation Committee in January or February of each year.

#### Role of our Independent Compensation Consultant

The Compensation Committee has the sole authority to retain compensation consultants to assist in its evaluation of executive compensation, including the authority to approve the consultant's reasonable fees and other retention terms. For purposes of evaluating 2017 compensation for each of our executive officers and making annual 2017 compensation decisions, we retained Mercer, an independent compensation consultant, to assist the Compensation Committee in reviewing our compensation programs and to ensure that our compensation programs remain competitive in attracting and retaining talented executives.

Mercer assisted the Compensation Committee in reviewing and developing an updated group of peer companies to use as a reference in making 2017 compensation decisions, developing the Compensation Committee's executive pay philosophy and retention initiatives, evaluating corporate governance best practices, and preparing an analysis of our compensation practices with respect to base salaries, annual bonuses and long-term incentive grants against market practices, to assist the Compensation Committee in making 2017 compensation decisions. Beginning in March 2017, the Compensation Committee engaged Radford, an Aon Hewitt company (Radford) as an independent compensation



consultant to assist the Compensation Committee in reviewing and developing an updated group of peer companies to use as a reference in making 2018 compensation decisions, developing the Compensation Committee's executive pay philosophy and retention initiatives, evaluating corporate governance best practices,

and preparing an analysis of our compensation practices with respect to base salaries, annual bonuses and long-term incentive grants against market practices, to assist the Compensation Committee in making 2018 compensation.

The Compensation Committee's outside compensation consultant (Mercer, prior to March 2017 and Radford, beginning in March 2017) reports directly to the Compensation Committee, which maintains the authority to direct their work and engagement, and advises the Compensation Committee and our human resources department from time to time. The compensation consultant interacts with management to gain access to Company information that is required to perform services and to understand the culture and policies of our organization. The Compensation Committee and the compensation consultant meet in executive session with no members of management present as needed to address various compensation matters, including deliberations regarding the Chief Executive Officer's compensation.

During 2017, our Compensation Committee analyzed whether the work of each of our compensation consultants raised any conflict of interest, taking into consideration the following factors: (i) the fact that the compensation consultant and its affiliates do not provide any services directly to our Company; (ii) the amount of fees paid to the compensation consultant and its affiliates by Chimerix as a percentage of the compensation consultant and its affiliates' total revenue; (iii) the compensation consultant's policies and procedures that are designed to prevent conflicts of interest; (iv) any business or personal relationship of the compensation consultant or the individual compensation advisors employed by the compensation consultant with any executive officer; (v) any business or personal relationship of the individual compensation advisors with any member of our Compensation Committee; and (vi) any Chimerix stock owned by the compensation consultant or the individual compensation advisors employed by the compensation consultant. Based on its analysis of these factors, our Compensation Committee determined that the work of each of Radford and Mercer and the individual compensation advisors employed by Radford and Mercer does not create any conflict of interest.

#### Use of Competitive Market Compensation Data

We aim to attract and retain the most highly qualified executive officers in an extremely competitive market. Accordingly, the Compensation Committee believes that it is important when making its compensation decisions to be informed as to the current practices of comparable public companies with which we compete for top talent. To this end, the Compensation Committee reviews market data for each executive officer's position, compiled by its outside compensation consultant as described below, including information relating to the compensation for executive officers in the life sciences industry.

As part of the process of setting 2017 compensation decisions, in September 2016, Mercer proposed and the Compensation Committee approved, selecting peer companies based on the following parameters, among others: operating in the biotech/pharma industry, with lead development programs in Phase 3 testing (with preference given to companies with an infectious disease therapeutics focus), and with market capitalizations generally from one-half to two times Chimerix' market value at the time. Based on these criteria, Mercer recommended, and the Compensation Committee approved removing eleven companies from our 2016 peer group (who either were acquired or no longer fit the parameters above) and adding nine new companies (who did fit the parameters above), resulting in the following companies as our peer group for 2017:

AcelRx Pharmaceuticals	NewLink Genetics
Anthera Pharmaceuticals	Omeros
BioCryst Pharmaceuticals	Paratek Pharmaceuticals
Cempra	PTC Therapeutics
Concert Pharmaceuticals	Tetraphase Pharmaceuticals
Enanta Pharmaceuticals	TG Therapeutics
Esperion Therapeutics	Vital Therapies
La Jolla Pharmaceutical	Zogenix

In late 2016, Mercer completed an assessment of executive compensation data based on our peer group to inform the Compensation Committee's determinations of executive compensation for 2017. This market data used for this assessment was compiled from (i) the Radford Global Life Sciences Survey, which reports the compensation practices of a broad range of life science companies, and (ii) the 2017 selected peer group companies' publicly disclosed information, or public peer data. The components of the market data were based on the availability of sufficient comparative data for an executive officer's position. To arrive at competitive market compensation, Radford survey data was equally blended with public peer data if sufficient public peer data was available for an executive officer's position. This approach is considered a best practice such that the Compensation Committee does not focus on a single market reference point to make actual executive compensation decisions. The Radford survey data and the public peer data, collectively referred to in this Proxy Statement as market data, were reviewed by the Compensation Committee, with the assistance of Mercer, and used as a reference point, in addition to other factors, in setting our executive officers' compensation for 2017.

To inform the Compensation Committee's 2017 executive compensation decisions, Mercer prepared, and the Compensation Committee reviewed, a range of market data reference points (generally at the 25<sup>th</sup>, 50<sup>th</sup>, and 75<sup>th</sup> percentiles of the market data) with respect to base salary, performance bonuses, equity compensation, total target cash compensation (including both base salary and the annual target performance bonus) and total direct compensation (total target cash compensation and equity compensation).

The Compensation Committee reviews these market data reference points and structures each element, and total target pay to be competitive with the market. Generally, the Compensation Committee aims for total target pay to fall around the median of our peers, with the opportunity for our executives to realize returns above the median of our peers based on performance. However, the market data is only one of the factors that the Compensation Committee considers in making compensation decisions and therefore individual named executive officer compensation may fall above or below these general guidelines. The Compensation Committee also considers factors such as corporate and individual performance, change in position or responsibilities, leadership, internal pay equity, experience, expected future contributions, retention concerns, and the overall performance and business needs of our Company.

## 2017 Executive Compensation Program

## Annual Base Salary

In reviewing and adjusting base salaries in early 2017, the Compensation Committee determined that total cash compensation was generally aligned with the 50<sup>th</sup> percentile of the market data, with salaries generally aligned with the 50-75<sup>th</sup> percentiles of the market data. Based on this information, the Compensation Committee determined to increase the base salaries of each officer by 3.5%, which was in line with the general market increase, as identified by Radford's 2017 Global Life Sciences Survey Trends report. The committee felt the increases were warranted in order for the Company to remain competitive with other employers in the life sciences sector. Consequently, the increases were made in keeping with the general increase observed from the market data and were made equally among the executives in order to promote internal equity.

The named executive officers' 2017 base salaries, which were effective January 1, 2017, and increases from each of their base salaries in effect as of the end of 2016, were as follows:

Named Executive Officer	2017 Base Salary	Increase from 2016 Base Salary
M. Michelle Berrey, M.D., M.P.H.	\$541,719	3.5%
Timothy W. Trost, C.P.A.	\$371,669	3.5%
W. Garrett Nichols, M.D., M.S.	\$427,093	3.5%
Linda M. Richardson	\$380,363	3.5%

## Annual Performance-Based Bonuses

In January 2017, our Board of Directors approved our performance-based bonus program for 2017. The corporate objectives and relative overall weighting towards corporate objective achievement for 2017 under the 2017 bonus program were established by the Board of Directors, upon recommendation by the Compensation Committee, in January 2017. Our Board of Directors assigned a specific weighting to each of our corporate objectives on which the performance-based bonus for each executive officer would be based. No specific individual goals were established for any of our named executive officers for 2017, and accordingly, each of our named executive officers' bonuses was primarily based on our corporate objective weighting and achievement, which reinforced our pay-for-performance philosophy.

The 2017 annual performance-based bonus each named executive officer was eligible to receive was primarily based on the individual's target bonus, as a percentage of base salary, or target bonus percentage, and the extent to which we achieved the corporate goals that our Board of Directors establishes each year. The actual performance-based bonus paid, if any, is calculated by multiplying the executive's annual base salary, target bonus percentage, and the percentage attainment of the corporate goals for such year. The Compensation Committee has traditionally not specified a minimum or maximum bonus percentage or amount for the named executive officers, however beginning in 2016, the Compensation Committee adopted a maximum bonus percentage of 200% of target, meaning that regardless of significant over-performance, the maximum bonus any individual named executive officer could earn under our performance-based bonus program is twice the amount of their target bonus.

In early 2017, the Compensation Committee reviewed the named executive officer target bonus percentages, and determined that the previous year target bonus percentages remained appropriate and therefore made no changes to the named executive officer target bonus percentages. Accordingly, Dr. Berrey's 2017 target bonus percentage remained at 50% and each of the other named executive officers' 2017 target bonus percentage remained at 35% to promote internal equity and consistency across the executive team.



As a result of these decisions, Dr. Berrey's total target cash compensation was aligned with the 50<sup>th</sup> percentile of the market data. The Compensation Committee determined that the other named executive officers should have the same bonus percentage, 35%, to reflect each of their similar degrees of impact on our organization and to promote internal equity amongst our senior leadership team. The Compensation Committee chose 35% because that percentage was generally aligned with (or slightly below, for some executives) the 50<sup>th</sup> percentile of the market data. The Compensation Committee felt that Dr. Berrey's bonus percentage should be larger than the other named executive officers given her greater impact on, and responsibility for, our annual corporate objectives.

Our corporate objectives for 2017, along with the relative weight of each objective and achievement, included the following:

Objective	Weighting	Achievement
1 Support potential MAA for adenovirus with oral BCV in the European Union	20%	20%
2 Advance development of IV BCV through completing a Single and Multiple Ascending Dose study	40%	40%
3 Progress BCV for the treatment of smallpox	10%	5%
4 Progress CMX521 by submitting an IND filing and initiating dosing	15%	15%
5 Progress business development by exploring in-licensing and partnership opportunities	15%	10%
Total	100%	90%

In early 2018, our Compensation Committee reviewed our performance against the predetermined corporate objectives and relative weightings and determined that overall we had achieved our corporate objectives for 2017 at a 90% overall level. This overall achievement percentage was based on the following specific achievements:

- Objective 1 - 20 of the potential 20%: Completed natural history study (AdVance) in the target countries and added 1. three additional countries. Reached agreement with the FDA and EMA on the AdAPT protocol. Initiated the AdAPT study.
- 2. Objective 2 - 40 of the potential 40%: Completed Phase 1 single ascending dose and multiple ascending dose studies for IV BCV in healthy adults. Obtained regulatory agreement for Phase 2 studies in adult patients.
- Objective 3 - 5 of the potential 10%: Obtained agreement with the FDA on a mouse efficacy pivotal study following agreement on the change of our clinical research organization. Received negative FDA feedback regarding the 3. acceptability of Study-041 as a pivotal study. The data from Study-041 will, however, be submitted and considered among the weight of the evidence in the NDA we plan to submit in 2019. Achieved alignment with the EMA with respect to pivotal rabbitpox study as the basis for MAA submission.
- 4. Objective 4 - 15 of the potential 15%: Completed IND enabling studies and ensured manufacturing readiness to support IND and first time in human study (FTIH). Submitted IND and initiated dosing in FTIH.
- 5. Objective 5 - 10 of the potential 15%: Exploration of business opportunities has occurred and is continuing.

The Compensation Committee determined to award the 2017 performance-based bonuses in the form of cash, in keeping with prior practice and the fact that our named executive officers receive a substantial portion of their target annual compensation in the form of equity awards. All of our executive officers' bonuses were awarded below target.

Based on our overall corporate objective achievement according to the five performance objectives as described above, in January 2018, the Compensation Committee awarded each our named executive officers 90% of their target bonuses for 2017. In addition, the bonuses awarded to Dr. Nichols and Mr. Trost included additional discretionary amounts of 9% and 5%, respectively. The Compensation Committee determined to award Dr. Nichols and Mr. Trost an additional discretionary amount as a result of their exceptional individual performance and contribution toward key corporate initiatives during 2017. The Compensation Committee's practice does not generally include providing for discretionary bonuses, however the Compensation Committee carefully considered the bonuses and felt that providing such bonuses was necessary to reward and retain Dr. Nichols and Mr. Trost in light of extraordinary performance. In

particular, Dr. Nichols' ability to work with regulators with respect to trial design and oversee

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internal and external resources culminated with rapid initiation of the AdAPT trial. Likewise, Mr. Trost's ability to align internal and external resources to optimize our financial position were critical in light of our cash conservation goals. In addition, the Compensation Committee was mindful that the size of the discretionary bonus amounts was reasonable, both being amounts that resulted in each of Dr. Nichols' and Mr. Trost's total bonuses remaining at or below target bonus levels.

Accordingly, the following performance-based bonuses were awarded:

Named Executive Officer	2017 Target Bonus	2017 Actual Bonus	Actual Bonus as a % of Target
M. Michelle Berrey, M.D., M.P.H.	\$270,860	\$243,774	90%
Timothy W. Trost, C.P.A.	\$130,084	\$122,930	95%
W. Garrett Nichols, M.D., M.S.	\$149,483	\$147,988	99%
Linda M. Richardson	\$133,127	\$119,814	90%

#### Equity-Based Incentive Awards

Annual equity opportunities are generally reviewed and determined annually at the beginning of the year or as appropriate during the year for new hires, promotions, or other special circumstances, such as to encourage retention, or as a reward for significant achievement. Individual grants are determined based on a number of factors, including current corporate and individual performance, outstanding equity holdings and their retention value and total ownership, historical value of our stock, internal equity amongst executives and market data provided by our independent compensation consultant.

For 2017, the Compensation Committee determined to structure equity awards as a mix of stock options, time-based RSUs and performance-based RSUs, in order to align our named executive officers' long-term incentives with our corporate goals. The Compensation Committee felt this structure provided a meaningful portion of the annual award in the form of performance-vesting awards, which encourage a focus on value-enhancing corporate initiatives, while appropriately balancing those awards with time-based stock options (naturally performance-based as a result of requiring stock appreciation to deliver any value), incentivizing growth, and time-based RSUs, which provide an important retention incentive. Additionally, the Compensation Committee determined that mixing full value awards in the form of RSUs and PRSUs, along with stock options, would preserve equity available for grant and limit dilution.

#### Stock Options

Based on a review of market data, the Compensation Committee approved the following stock option grants for our named executive officers effective January 24, 2017, which vest monthly over a four-year period and have an exercise price of \$5.14 per share, the price of our stock on the grant date:

Named Executive Officer	Stock Option Grant (# shares)
M. Michelle Berrey, M.D., M.P.H.	148,000
Timothy W. Trost, C.P.A.	50,750
W. Garrett Nichols, M.D., M.S.	60,750
Linda M. Richardson	60,750



## Time-Based Restricted Stock Units

The Compensation Committee also approved the following RSU grants for our named executive officers effective January 24, 2017. The time-based RSUs vest in equal annual installments over a four-year period.

Named Executive Officer	Time Based RSU Grant (# shares)
M. Michelle Berrey, M.D., M.P.H.	74,000
Timothy W. Trost, C.P.A.	25,375
W. Garrett Nichols, M.D., M.S.	30,375
Linda M. Richardson	30,375

## Performance-Based Restricted Stock Units

The Compensation Committee also approved performance-based RSUs (PRSUs) that vest over a four-year period subject to achievement of certain pre-determined goals to occur in 2017 and 2018. The PRSUs vest only if we achieve specified corporate goals relating to the clinical development of oral BCV and IV BCV. We consider these goals challenging and important to the success of our business. One-quarter of the PRSUs were to vest upon our achievement of an oral BCV goal related to AdAPT patient enrollment metrics on or before December 31, 2017. Three-quarters of the PRSUs become eligible to vest upon our achievement of an IV BCV goal on or before December 31, 2018 related to timing of clinical trial initiation, in which case the PRSUs will vest in three equal tranches on January 24, 2019, January 24, 2020 and January 24, 2021, thus requiring both the performance goal and continued service over a four year period to earn the full award. At the December 31, 2017 measurement date, the oral BCV goal was not achieved and one-quarter of the award was forfeited.

Named Executive Officer	Performance Based RSU Grant (# Shares)
M. Michelle Berrey, M.D., M.P.H.	74,000
Timothy W. Trost, C.P.A.	25,375
W. Garrett Nichols, M.D., M.S.	30,375
Linda M. Richardson	30,375

The Compensation Committee granted equity awards for 2017 with the assistance of its compensation consultant for 2017, Mercer. In an effort to preserve available shares, Mercer recommended, and the Compensation Committee approved, a certain percentage of the pool to named executive officers via an identical mix, for each executive officer, of options, RSUs and PRSUs. In setting awards for the executive officers, the Compensation Committee worked with Mercer to first determine an appropriate pool of shares balancing both competitive positioning and total dilutive impact of these grants. Once the allotment of shares had been determined, the Compensation Committee allocated award amounts to each member of the executive team based on typical pool percentages and the relative size of awards between the CEO and other executives, as determined according to the 2017 executive compensation peer group and market data available from the 2016 Radford Global Life Sciences Survey. In addition, the Compensation Committee considered internal pay equity and, in the case of each executive officer, the officer's experience, skills and individual contributions to the company's financial and operational goals. Due to the depressed share price, this allocation of equity awards resulted in grant values that generally approximated the market 25<sup>th</sup> percentile based on the composite data

produced by the Mercer analysis. The 2017 annual equity awards to each of our named executive officers covered less shares and had a lower grant date fair value than the annual equity awards delivered to such named executive officers in 2016. In light of the company's lower stock price following late 2016, the Compensation Committee determined that the 2017 equity mix would limit the dilutive effect of such awards while appropriately incentivizing our executive team, consistent with market practices.

#### Other Features of our Executive Compensation Program

##### Agreements with our Named Executive Officers

We have entered into offer letter agreements with each of our named executive officers upon their initial commencement of employment with us. Each of our named executive officers is employed at will and may be terminated at any time for any reason. All of our named executive officers are eligible for severance and change in control benefits pursuant to our Officer Change in Control Severance Benefit Plan, the terms of which are described below under "Severance and Change in Control Benefits" and "Potential Payments upon Termination or Change in Control."

Dr. Berrey. In November 2012, we entered into an offer letter agreement with Dr. Berrey setting forth the terms of her employment, which included an initial base salary subject to adjustment (which has subsequently been increased, including in connection with her appointment as President and Chief Executive Officer in 2014), and an initial stock option grant of 176,056 shares of our common stock.

Mr. Trost. In March 2011, we entered into an offer letter agreement with Mr. Trost setting forth the terms of his employment, which included an initial base salary subject to adjustment (which has subsequently been increased), and an initial stock option grant of 169,014 shares of our common stock.

Dr. Nichols. In August 2014, we entered into an offer letter agreement with Dr. Nichols setting forth the terms of his employment, which included an initial base salary subject to adjustment (which has subsequently been increased), an initial annual target bonus percentage of 35% and an initial stock option grant of 90,000 shares of our common stock. The offer letter also provided for a \$150,000 signing bonus to Dr. Nichols, which was subject to repayment if Dr. Nichols's employment was terminated under certain circumstances prior to September 2015.

Ms. Richardson. In December 2013, we entered into an offer letter agreement with Ms. Richardson setting forth the terms of her employment, which included an initial base salary subject to adjustment (which has subsequently been increased), an initial annual target bonus percentage of 35% and an initial stock option grant of 120,000 shares of our common stock. The offer letter also provided for \$75,000 in relocation assistance to Ms. Richardson as well as a \$50,000 signing bonus to Ms. Richardson, which was subject to repayment if Ms. Richardson terminated her employment under certain circumstances during the first twelve months of employment with us.

##### Severance and Change in Control Benefits

Regardless of the manner in which a named executive officer's service terminates, the named executive officer is entitled to receive amounts earned during his or her term of service, including salary and unused vacation pay.

Each of our named executive officers holds equity awards under our equity incentive plans that were granted subject to our form of equity award agreements. A description of the termination and change in control provisions in such equity incentive plans and form of equity award agreements is provided below under "Equity Compensation Arrangements."



We maintain an Officer Change in Control Severance Benefit Plan (the “severance plan”) under which each of our named executive officers is eligible to receive severance benefits (cash payments, payments for benefits continuation and equity acceleration) upon a termination without cause or resignation for good reason, either alone or within the thirty days prior to or thirteen months following a change in control transaction. We do not provide any tax gross ups in connection with severance or change in control transactions.

Our Compensation Committee periodically reviews the severance and change in control benefits that we provide, including by reference to market data, to ensure that the benefits remain appropriately structured and at reasonable levels. For example, during 2016 we made refinements to the treatment of stock options and RSUs in the event of death, disability and retirement terminations, after a review of market data practices. The Compensation Committee believes that that severance protection benefits are necessary to provide stability among our executive officers, serve to focus our executive officers on our business operations, and avoid distractions in connection with a potential change in control transaction or period of uncertainty. A more detailed description of the severance plan and each of our named executive officer benefit levels thereunder is provided below under “Potential Payments upon Termination or Change in Control.”

#### Other Benefits

Our named executive officers are eligible to participate in all of our benefit plans, such as the 401(k) plan (see the section below “Description of Compensation Arrangements—401(k) Plan”), medical, dental, vision, short-term disability, long-term disability, group life insurance and the Company’s 2013 Employee Stock Purchase Plan, in each case generally on the same basis as other employees. We do not currently have qualified or nonqualified defined benefit plans or deferred compensation plans, nor do we offer pension or other retirement benefits other than our 401(k) plan. We generally do not offer perquisites or personal benefits to our named executive officers; we do from time to time provide reasonable relocation or signing bonuses to our named executive officers as our Compensation Committee determines appropriate to induce such individuals to commence employment with us.

#### Accounting and Tax Considerations

Under Financial Accounting Standard Board ASC Topic 718, or ASC 718, the Company is required to estimate and record an expense for each award of equity compensation over the vesting period of the award. We record share-based compensation expense on an ongoing basis according to ASC 718. The Compensation Committee has considered, and may in the future consider, the grant of performance-based or other types of stock awards to executive officers in lieu of or in addition to stock option and RSU award grants in light of the accounting impact of ASC 718 and other considerations.

Section 162(m) of the Internal Revenue Code (“Section 162(m)”) generally provides that publicly held companies may not deduct compensation paid to certain of their top executive officers to the extent such compensation exceeds \$1 million per officer in any year. The exemption from the deduction limit under Section 162(m) for “performance-based compensation” has been repealed, effective for taxable years beginning after December 31, 2017, such that compensation paid to our “covered employees” in excess of \$1 million will not be deductible unless it qualifies for transition relief applicable to certain arrangements in place as of November 2, 2017. The Compensation Committee will continue to monitor the applicability of Section 162(m) of the Code to its ongoing compensation arrangements. Because of ambiguities and uncertainties as to the application and interpretation of Section 162(m) and the regulations issued thereunder, including the uncertain scope of the transition relief under the legislation repealing the “performance-based compensation” exemption from the deduction limit, no assurance can be given that any compensation that may have been (or if granted under a binding written contract in place as of November 2, 2017 may be) intended to satisfy the requirements for exemption from Section 162(m), in fact will be exempt. In determining the form and amount of compensation for our named executive officers, the Compensation Committee may continue to consider all elements of the cost of such compensation, including the potential impact of Section 162(m). While the Compensation Committee considers the deductibility of awards as one factor in determining executive compensation, the Compensation Committee may also look at other factors in



making its decisions, and retains the flexibility to award compensation that it determines to be consistent with the goals of our executive compensation program even if the awards are not deductible by us for tax purposes.

#### Clawbacks

As a public company, if we are required to restate our financial results due to our material noncompliance with any financial reporting requirements under the federal securities laws as a result of misconduct, the Chief Executive Officer and Chief Financial Officer may be legally required to reimburse our Company for any bonus or other incentive-based or equity-based compensation they receive in accordance with the provisions of section 304 of the Sarbanes-Oxley Act of 2002.

Additionally, in September 2016, we voluntarily adopted an incentive compensation recoupment, or “clawback”, policy, ahead of final guidance by the SEC regarding the claw back rules that will be required under the Dodd-Frank Wall Street Reform and Consumer Protection Act. Under our clawback policy, in the event of a financial statement restatement resulting in financial figures upon which incentive compensation (equity compensation or cash compensation) was previously calculated and paid to our executive officers were in error due to material noncompliance with any financial reporting requirement under federal securities laws, the Board will seek to recover incentive compensation that was paid or vested during the three-year period preceding the restatement obligation as noted above, which would not have been made to such executive officer based upon the restated financial results. Additionally, we intend to comply with the Dodd-Frank Wall Street Reform and Consumer Protection Act and will modify our clawback policy to the extent required by law as soon as, and to the extent that, the requirements of such clawbacks are finalized by the SEC.

#### Risk Assessment Concerning Compensation Practices and Policies

With the assistance of the Compensation Committee’s compensation consultant and the Company’s outside counsel, the Compensation Committee annually reviews the Company’s compensation policies and practices to assess whether they encourage employees to take inappropriate risks. After reviewing and assessing the Company’s compensation philosophy, terms and practices, including the mix of fixed and variable, short and long-term incentives and overall pay, incentive plan structures, and the checks and balances built into, and oversight of, each plan and practice, the Compensation Committee determined that any risks arising from our compensation policies and practices for our employees are not reasonably likely to have a material adverse effect on our Company as a whole. The Compensation Committee believes that the mix and design of the elements of executive compensation do not encourage management to assume excessive risks; the mix of short-term compensation (in the form of salary and annual bonus, if any, which is based on a variety of performance factors), and long-term compensation (in the form of stock options, RSUs and PRSUs) prevents undue focus on short-term results and helps align the interests of the Company’s executive officers with the interests of our stockholders. In addition, the Company’s insider trading policy and prohibition against hedging and pledging in Company stock protects against short-term decision making.

#### Conclusion

It is the opinion of the Compensation Committee that the compensation policies and elements described above provide the necessary incentives to properly align our executive officers’ performance with the interests of our stockholders while maintaining equitable and competitive executive compensation practices that enable us to attract and retain the highest caliber of executive officers.

## Summary Compensation Table

The following table shows the total compensation earned by the named executive officers in 2017, 2016, and 2015, as applicable.

Name and Principal Position	Year	Salary (\$)	Bonus (\$)	Stock Awards (\$) <sup>(1)</sup>	Option Awards (\$) <sup>(1)</sup>	Non-Equity Incentive Plan Compensation (\$) <sup>(2)</sup>	All Other Compensation (\$) <sup>(3)</sup>	Total (\$)
M. Michelle Berrey, M.D., M.P.H., President and Chief Executive Officer	2017	541,719	—	760,720	556,679	243,774	9,787	2,112,679
	2016	523,400	—	491,000	2,799,505	191,041	9,927	4,014,873
	2015	505,700	—	—	4,494,854	164,353	1,966	5,166,873
Timothy W. Trost, C.P.A., Senior Vice President, Chief Financial Officer and Corporate Secretary	2017	371,669	5,854	260,855	190,724	117,076	9,787	955,965
	2016	359,100	—	294,600	1,030,430	91,750	9,927	1,785,807
	2015	332,500	—	—	1,586,019	75,644	9,916	2,004,079
W. Garrett Nichols, M.D., M.S., Chief Medical Officer	2017	427,093	13,453	312,255	228,338	134,535	9,787	1,125,461
	2016	412,650	—	368,250	1,030,367	105,432	9,927	1,926,626
	2015	393,000	100,000 <sup>(4)</sup>	—	536,834	89,408	9,916	1,129,158
Linda M. Richardson, Chief Strategy and Commercial Officer	2017	380,363	—	312,255	228,338	119,814	9,787	1,050,557
	2016	367,500	—	294,600	1,030,430	93,896	9,927	1,796,353
	2015	350,000	—	—	1,586,019	79,625	9,915	2,025,559

In accordance with SEC rules, this column reflects the aggregate grant date fair value of the option awards or RSUs granted during the respective year, computed in accordance with Financial Accounting Standard Board Accounting Standards Codification Topic 718 for stock-based compensation transactions (ASC 718). Assumptions used in the (1) calculation of these amounts are included in Note 7 to the Financial Statements in our Annual Report on Form 10-K for the year ended December 31, 2017. These amounts do not reflect the actual economic value that will be realized by the named executive officer on the vesting of the stock options or RSUs, the exercise of the stock options, or the sale of the common stock underlying such stock options and RSUs.

Amounts in this column represent annual performance-based bonuses earned for the respective fiscal year. Each of (2) the 2017, 2016 and 2015 performance-based bonuses shown above was paid in cash to each executive in early 2018, 2017 and 2016, respectively.

Amounts in this column represent term life insurance, long-term disability insurance, short-term disability insurance and accidental death and dismemberment insurance premiums, and matching 401(k) contributions up to (3) 3% of the named executive officer's salary are paid by us on behalf of the named executive officers. All of these benefits are provided to the named executive officers on the same terms as provided to all of our regular full-time employees. For more information regarding these benefits, see below under "Perquisites, Health, Welfare and Retirement Benefits."





- (4) Represents the signing bonus paid to Dr. Nichols in 2015 pursuant to his offer letter agreement, as further described above under “Agreements with our Named Executive Officers.”

## Grants of Plan-Based Awards

The following table sets forth information relating to grants of plan-based incentive awards to the named executive officers in 2017.

Name	Award Type	Grant Date or Modification Date <sup>(2)(3)</sup>	Estimated Future Payouts Under Non-Equity Incentive Plan Awards <sup>(1)</sup>		All Other Stock Awards: Number of Shares of Stock or Units <sup>(4)</sup>	All Other Option Awards: Number of Securities Underlying Stock and Options (#)	Exercise or Base Price of Option Awards (\$/Sh)	Grant Date Fair Value of Stock and Option Awards (\$) <sup>(4)</sup>
			Target (\$)	Maximum (\$)				
M. Michelle Berrey, M.D., M.P.H.	Annual Option	1/24/17	–	–	–	148,000	5.14	556,679
	Performance-Bonus–RSU Grant	1/24/17	270,860	541,720	–	–	–	760,720
Timothy W. Trost, C.P.A.	Annual Option	1/24/17	–	–	–	50,750	5.14	190,724
	Performance-Bonus–RSU Grant	1/24/17	130,084	260,168	–	–	–	260,855
W. Garrett Nichols, M.D., M.S.	Annual Option	1/24/17	–	–	–	60,750	5.14	228,338
	Performance-Bonus–RSU Grant	1/24/17	149,483	298,966	–	–	–	312,255
Linda M. Richardson	Annual Option	1/24/17	–	–	–	60,750	5.14	228,338
	Performance-Bonus–RSU Grant	1/24/17	133,127	266,254	–	–	–	312,255

Amounts in this column represent the target and maximum performance-based bonus opportunity for each named executive officer for 2017. There was no designated threshold bonus amounts. For a description of the 2017 (1) performance bonus program, see “Compensation Discussion and Analysis-Annual Performance-Based Bonuses” above. The amount actually earned by each named executive officer was 73% of the target performance-based bonus opportunity and is reported in the Summary Compensation Table above.

All options were granted under the terms of our 2013 plan, with an exercise price per share equal to the closing (2) price of our common stock on the January 24, 2017 grant date, and vest over a four-year period. For a description of our 2013 plan, see “Equity Compensation Arrangements-2013 Equity Incentive Plan” below.

(3) All time-based RSUs were granted under the terms of our 2013 plan, and vest over a four-year period. All performance-based RSU, were granted under the terms of our 2013 plan, and vest over a four year period subject to meeting certain goals. For a description of our 2013 plan, see “Equity Compensation Arrangements-2013 Equity

Incentive Plan” below.

Amounts in this column reflect the aggregate grant date fair value of the option awards and RSUs granted during (4)2017, computed in accordance with ASC 718. Assumptions used in the calculation of these amounts are included in Note 6 to the

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Financial Statements in our Annual Report on Form 10-K for the year ended December 31, 2017. These amounts do not reflect the actual economic value that will be realized by the named executive officer upon the vesting of the stock options or RSUs, the exercise of the stock options or issuance of shares in respect of the RSUs, or the sale of the common stock underlying such stock options or RSUs.

#### Pay Ratio Disclosure

Under the Dodd-Frank Wall Street Reform and Consumer Protection Act and the related SEC rule (the “Rule”), we are required to provide to our shareholders specified disclosure regarding the relationship of CEO total compensation to the total compensation of our median employee, referred to as “pay-ratio” disclosure.

For fiscal 2017,

the median of the annual total compensation of all employees of the Company (other than the CEO) was \$192,567 and the annual total compensation of the CEO, as reported in the Summary Compensation Table included in this Proxy Statement, was \$2,112,679.

Based on this information, the ratio of the annual total compensation of the CEO to the median of the annual total compensation of all employees was 11 to 1.

We identified the median employee as of December 31, 2017 by (i) aggregating for each applicable employee (A) the annual base salary, (B) the accounting value of any equity granted during 2017, and (C) the target bonus received for 2017, and (ii) ranking this compensation measure for our employees from lowest to highest. This calculation was performed for all employees, excluding Dr. Berrey.

The pay ratio reported above represents our reasonable estimate calculated in a manner consistent with the Rule and applicable guidance. The Rule and guidance provide significant flexibility in how companies identify the median employee, and each company may use a different methodology and make different assumptions particular to that company. As a result, as the SEC explained when it adopted the Rule, in considering the pay-ratio disclosure, shareholders should keep in mind that the Rule was not designed to facilitate comparisons of pay ratios among different companies, even companies within the same industry, but rather to allow shareholders to better understand and assess each particular company’s compensation practices and pay-ratio disclosures.

#### Mix of Elements of Compensation

The three principal components of our executive compensation program for our named executive officers in 2017 were base salary, annual performance-based bonuses and long-term incentive equity compensation. In line with our pay for performance philosophy, we structured a significant portion of our named executive officers’ 2017 compensation to be variable, at risk and tied directly to our measurable performance in the form of performance-based bonuses and long term incentives, as further described above under “Compensation Discussion and Analysis – Executive Summary”.

#### Description of Compensation Arrangements

##### Offer Letter Agreements

We do not have employment agreements currently in effect with any of our named executive officers; however we have entered into offer letter agreements with each of our executive officers in connection with their initial commencement of employment with us. The offer letters describe the initial terms of employment, including initial base salary and an initial equity grant. From



time to time we offer relocation benefits or special signing bonuses to our executive officers when we determine necessary, such as the signing bonuses we paid to Dr. Nichols and Ms. Richardson. The terms of the offer letters with each of our executive officers are described above under “Compensation Discussion and Analysis – Agreements with our Named Executive Officers.” Each of our executive officers’ employment is at-will.

#### Severance Plan

All of our executive officers are participants in our severance plan, a description of which is included below under the heading “Potential Payments upon Termination or Change in Control.”

#### Perquisites, Health, Welfare and Retirement Benefits

All of our executive officers are eligible to participate in our employee benefit plans, including our medical, dental, vision, group life and accidental death and dismemberment insurance plans, in each case on the same basis as all of our other employees. We provide a 401(k) plan to our employees, including our executive officers, as discussed in the section below entitled “401(k) Plan.”

We generally do not provide perquisites or personal benefits to our executive officers. We do, however, pay the premiums for term life insurance and long-term disability for all of our employees, including our named executive officers. None of our executive officers participate in or have account balances in qualified or non-qualified defined benefit plans sponsored by us. Our Board of Directors may elect to adopt qualified or non-qualified benefit plans in the future if it determines that doing so is in our best interests.

#### 401(k) Plan

We maintain a defined contribution employee retirement plan (“401(k) plan”) for our employees. Our executive officers are also eligible to participate in the 401(k) plan on the same basis as our other employees. The 401(k) plan is intended to qualify as a tax-qualified plan under Section 401(k) of the Code. The plan provides that each participant may contribute up to the lesser of 100% of his or her compensation or the statutory limit, which was \$18,000 for calendar year 2017. Participants that are 50 years or older can also make “catch-up” contributions, which in calendar year 2017 could have been up to an additional \$6,000 above the statutory limit. Historically, we have not made contributions into the 401(k) plan on behalf of participants. In March 2015, we began matching 100% of the first 3% of employee contributions to the 401(k) plan. Participant and employer contributions are held and invested, pursuant to the participant’s instructions, by the plan’s trustee.

#### Nonqualified Deferred Compensation

None of our executive officers participate in or have account balances in nonqualified defined contribution plans or other nonqualified deferred compensation plans maintained by us. Our Board of Directors may elect to provide our officers and other employees with non-qualified defined contribution or other nonqualified deferred compensation benefits in the future if it determines that doing so is in our best interests.

#### Equity Compensation Arrangements

Prior to our IPO in April 2013, we granted all equity awards pursuant to the 2012 Equity Incentive Plan and the 2002 Equity Incentive Plan. Following our IPO, we have granted all equity awards pursuant to the 2013 Equity Incentive Plan, or the 2013 plan. All options are granted with a per share exercise price equal to no less than the fair market value of a share of our common stock on the date of grant of each award.



Generally, our stock option awards vest over a four-year period and may be granted with an early exercise feature allowing the holder to exercise and receive unvested shares of our stock, so that the holder may have a greater opportunity for gains on the shares to be taxed at long-term capital gains rates rather than ordinary income rates. The RSUs that we granted prior to our IPO vested in April 2013 upon the effective date of our registration statement filed in connection with our IPO. The RSUs that we granted in May 2016 to our executive officers vest over a three-year period. The time-based RSUs that we granted in January 2017 to our executive officers vest over a four-year period. The performance-based RSUs that we granted in January 2017 to our executive officers vest over a four-year period subject to meeting certain goals.

### 2013 Equity Incentive Plan

General. We currently grant equity awards to our named executive officers and other employees, directors and consultants under the 2013 plan. The 2013 plan was initially adopted by our Board of Directors and our stockholders and became effective in connection with our IPO in April 2013 and subsequently amended by the Board of Directors in March 2014 and approved by our stockholders in June 2014. Our Board of Directors or a duly authorized committee thereof, has the authority to administer the 2013 plan. Our Board of Directors may also delegate certain authority to one or more of our officers. Our Board of Directors or the authorized committee is referred to herein as the plan administrator.

The 2013 plan provides for the grant of incentive stock options (“ISOs”), nonstatutory stock options (“NSOs”), stock appreciation rights, restricted stock awards, restricted stock unit awards, performance-based stock awards, and other forms of equity compensation (collectively, “stock awards”), all of which may be granted to employees, including officers, non-employee directors and consultants of us and our affiliates. Additionally, the 2013 plan provides for the grant of performance cash awards. ISOs may be granted only to employees. All other awards may be granted to employees, including officers, and to non-employee directors and consultants. We have currently granted only stock options and restricted stock units to our executive officers under our 2013 plan, although we may grant other types of stock awards under our 2013 plan to our named executive officers in the future.

As of December 31, 2017, there were 4,756,978 shares underlying outstanding stock options granted under the 2013 plan, 956,299 shares underlying unvested restricted stock units granted under the 2013 plan and 1,082,608 shares remaining available for grant under the 2013 plan. The number of shares of our common stock reserved for issuance under the 2013 plan will automatically increase on January 1 of each year, until and including January 1, 2023, by 4% of the total number of shares or our capital stock outstanding on December 31 of the preceding calendar year, or a lesser number of shares determined by our Board of Directors.

Stock Options. The plan administrator determines the exercise price for a stock option, within the terms and conditions of the 2013 plan, provided that the exercise price of a stock option generally cannot be less than 100% of the fair market value of our common stock on the date of grant. Options granted under the 2013 plan vest at the rate specified by the plan administrator. The plan administrator determines the term of stock options granted under the 2013 plan, up to a maximum of 10 years. Unless the terms of an option holder’s stock option agreement provide otherwise, if an option holder’s service relationship with us, or any of our affiliates, ceases for any reason other than disability, death or cause, the option holder may generally exercise any vested options for a period of three months following the cessation of service, except that, under our form of option agreement, the option holder may exercise any vested options for a period of 12 months following cessation of service due to retirement (i.e., termination without cause or resignation upon or after reaching age 59 ½). The option term may be extended in the event that exercise of the option following such a termination of service is prohibited by applicable securities laws or our insider trading policy. If an optionholder’s service relationship with us or any of our affiliates ceases due to disability or death, or an optionholder dies within a certain period following cessation of service, the optionholder or a beneficiary may generally exercise any vested options for a period of 12 months in the event of disability and 12 months (18 months



for options granted prior to September 2016) in the event of death. In addition, under our form of stock option agreement, options will accelerate in full upon the optionholder's termination due to death or disability. In the event of a termination for cause, options generally terminate

immediately upon the termination of the individual for cause. In no event may an option be exercised beyond the expiration of its term.

**Restricted Stock Unit Awards.** Restricted stock unit awards are granted pursuant to restricted stock unit award agreements adopted by the plan administrator. Restricted stock unit awards may be granted in consideration for any form of legal consideration. A restricted stock unit award may be settled by cash, delivery of stock, a combination of cash and stock as deemed appropriate by the plan administrator, or in any other form of consideration set forth in the restricted stock unit award agreement. Additionally, dividend equivalents may be credited in respect of shares covered by a restricted stock unit award. Except as otherwise provided in the applicable award agreement, restricted stock units that have not vested will be forfeited upon the participant's cessation of continuous service for any reason. Our form of restricted stock unit award agreement provides if the holder's service relationship with us, or any of our affiliates, ceases for any reason other than due to disability or death, all restricted stock units not vested as of the date of termination will be forfeited. If a holder's service relationship with us, or any of our affiliates ceases due to disability or death, restricted stock units will accelerate in full upon such termination.

**Corporate Transactions.** In the event of certain specified significant corporate transactions, the plan administrator has the discretion to take any of the following actions with respect to stock awards:

- arrange for the assumption, continuation or substitution of a stock award by a surviving or acquiring entity or parent company;
- arrange for the assignment of any reacquisition or repurchase rights held by us to the surviving or acquiring entity or parent company;
- accelerate the vesting of the stock award and provide for its termination prior to the effective time of the corporate transaction;
- arrange for the lapse of any reacquisition or repurchase right held by us;
- cancel or arrange for the cancellation of the stock award in exchange for such cash consideration, if any, as our Board of Directors may deem appropriate; or
- make a payment equal to the excess of (a) the value of the property the participant would have received upon exercise of the stock award over (b) the exercise price otherwise payable in connection with the stock award.

Our plan administrator is not obligated to treat all stock awards, even those that are of the same type, in the same manner.

Under the 2013 plan, a "corporate transaction" is generally the consummation of (i) a sale or other disposition of all or substantially all of our consolidated assets, (ii) a sale or other disposition of at least 90% of our outstanding securities, (iii) a merger, consolidation or similar transaction following which we are not the surviving corporation, or (iv) a merger, consolidation or similar transaction following which we are the surviving corporation but the shares of our common stock outstanding immediately prior to such transaction are converted or exchanged into other property by virtue of the transaction.

**Change in Control.** The plan administrator may provide, in an individual award agreement or in any other written agreement between a participant and us that the stock award will be subject to additional acceleration of vesting and exercisability in the event of a change in control. Under the 2013 plan, a "change in control" is generally (i) the acquisition by a person or entity of more than 50% of our combined voting power other than by merger, consolidation or similar transaction; (ii) a consummated merger, consolidation or similar transaction immediately after which our stockholders cease to own more than 50% of the combined voting power of the surviving entity; or (iii) a consummated sale, lease or exclusive license or other disposition of all or substantially of our consolidated assets.



**Amendment and Termination.** Our Board of Directors has the authority to amend, suspend, or terminate our 2013 plan, provided that such action does not materially impair the existing rights of any participant without such participant's written consent. No ISOs may be granted after the tenth anniversary of the date our Board of Directors adopted our 2013 plan.

#### 2012 Equity Incentive Plan

**General.** Our Board of Directors and our stockholders approved our 2012 Equity Incentive Plan, or the 2012 plan, which became effective in February 2012. Our 2012 plan was a continuation of and successor to our 2002 plan and after our 2012 plan became effective, no further stock awards were made under our 2002 plan. As of December 31, 2017, there were no shares remaining available for the grant of stock awards under our 2012 plan and there were outstanding stock options covering a total of 73,441 shares that were granted under our 2012 plan. Our Board of Directors or a duly authorized committee thereof, has the authority to administer the 2012 plan. Our Board of Directors may also delegate certain authority to one or more of our officers. Our Board of Directors or the authorized committee is referred to herein as the plan administrator

The 2012 plan terminated and no further awards were granted upon the effective date of the 2013 plan. All awards granted under the 2012 plan that are repurchased, forfeited, expire or are cancelled will become available for grant under the 2013 plan in accordance with its terms.

**Stock Options.** Options granted under the 2012 plan vest at the rate specified by the plan administrator and have a term up to a maximum of 10 years. Unless the terms of an option holder's stock option agreement provide otherwise, if an option holder's service relationship with us, or any of our affiliates, ceases for any reason other than disability, death or cause, the option holder may generally exercise any vested options for a period of three months following the cessation of service. The option term may be extended in the event that exercise of the option following such a termination of service is prohibited by applicable securities laws or our insider trading policy. If an optionholder's service relationship with us or any of our affiliates ceases due to disability or death, or an optionholder dies within a certain period following cessation of service, the optionholder or a beneficiary may generally exercise any vested options for a period of 12 months in the event of disability and 18 months in the event of death. In the event of a termination for cause, options generally terminate immediately upon the termination of the individual for cause. In no event may an option be exercised beyond the expiration of its term.

**Corporate Transactions.** In the event of certain specified significant corporate transactions, outstanding stock awards shall be assumed, continued or substituted for similar stock awards by the surviving or acquiring corporation. If any surviving or acquiring corporation fails to assume, continue or substitute such stock awards, stock awards held by participants whose continuous service has terminated will accelerate vesting in full prior to the corporate transaction. All stock awards will terminate at or prior to the corporate transaction.

Under the 2012 plan, a "corporate transaction" is generally the consummation of (i) a sale or other disposition of all or substantially all of our consolidated assets, (ii) a sale or other disposition of at least 90% of our outstanding securities, (iii) a merger, consolidation or similar transaction following which we are not the surviving corporation, or (iv) a merger, consolidation or similar transaction following which we are the surviving corporation but the shares of our common stock outstanding immediately prior to such transaction are converted or exchanged into other property by virtue of the transaction.

**Change in Control.** The plan administrator may provide, in an individual award agreement or in any other written agreement between a participant and us that the stock award will be subject to additional acceleration of vesting and exercisability in the event of a change in control. Our form of option agreement provides for acceleration in full of the stock option if a participant is terminated without cause or resigns for good reason (which includes a resignation due

to a material reduction in authority, duties or responsibilities, a material reduction in base salary or a relocation of employment by more than 50 miles) within thirteen months after a change in control. Under the 2012 plan, a “change in control” is generally (i) the acquisition by a person or entity

of more than 50% of our combined voting power other than by merger, consolidation or similar transaction; (ii) a consummated merger, consolidation or similar transaction immediately after which our stockholders cease to own more than 50% of the combined voting power of the surviving entity; (iii) approval by the stockholders or our Board of Directors of a plan of complete dissolution or liquidation of us; or (iv) a consummated sale, lease or exclusive license or other disposition of all or substantially of our consolidated assets.

#### 2002 Equity Incentive Plan

General. Our Board of Directors and our stockholders originally approved our 2002 Equity Incentive Plan, or the 2002 plan, which became effective in September 2002, and was further amended by our Board of Directors and stockholders, most recently in February 2011. The 2002 plan terminated and no further awards were granted upon the effective date of the 2012 plan. As of December 31, 2017, there were outstanding stock awards covering a total of 166,240 shares that were granted under our 2002 plan.

Shares are no longer available for the grant of stock awards under our 2002 plan. However, if a stock award granted under the 2002 plan expires or otherwise terminates without being exercised in full, the shares of our common stock not acquired pursuant to the stock award again will become available for subsequent issuance under the 2013 plan.

Stock Options. Options granted under the 2002 plan vest at the rate specified by the plan administrator and have a term of up to a maximum of 10 years. Unless the terms of an option holder's stock option agreement provide otherwise, if an option holder's service relationship with us, or any of our affiliates, ceases for any reason other than disability, death or cause, the option holder may generally exercise any vested options for a period of three months following the cessation of service. The option term may be extended in the event that exercise of the option following such a termination of service is prohibited by applicable securities laws or our insider trading policy. If an optionholder's service relationship with us or any of our affiliates ceases due to disability or death, or an optionholder dies within a certain period following cessation of service, the optionholder or a beneficiary may generally exercise any vested options for a period of 12 months in the event of disability and 18 months in the event of death. In the event of a termination for cause, options generally terminate immediately upon the termination of the individual for cause. In no event may an option be exercised beyond the expiration of its term.

Corporate Transactions. In the event of certain specified significant corporate transactions, outstanding stock awards shall be assumed, continued or substituted for similar stock awards by the surviving or acquiring corporation. If any surviving or acquiring corporation fails to assume, continue or substitute such stock awards, stock awards held by participants whose continuous service has terminated will accelerate vesting in full prior to the corporate transaction. All stock awards will terminate at or prior to the corporate transaction.

Under the 2002 plan, a "corporate transaction" is generally (i) a sale or other disposition of all or substantially all of our consolidated assets, (ii) a merger, consolidation or similar transaction following which we are not the surviving corporation, or (iii) a reverse merger in which we are the surviving corporate but shares of our common stock outstanding immediately preceding the merger are converted into other property by virtue of the transaction.

Change in Control. In addition, the plan administrator may provide for special vesting acceleration in an individual award agreement or in any other written agreement between a participant and us. Our form of option agreement provides for acceleration in full of the stock option if a participant is terminated without cause or resigns for good reason (which includes a resignation due to a material reduction in authority, duties or responsibilities, a material reduction in base salary or a relocation of employment by more than 50 miles) within thirteen months after a change in control transaction. A "change in control transaction" is generally (i) a sale or disposition of all of our assets; (ii) a merger or consolidation following which we are not the surviving entity and our stockholders own less than 50% of the voting power of the surviving entity or its parent; (iii) a reverse merger where we are the



surviving entity but our stockholders own less than 50% of the voting power; or (iv) an acquisition by a person, group or entity of 50% of our voting power.

### 2013 Employee Stock Purchase Plan

**General.** Our Board of Directors adopted the 2013 Employee Stock Purchase Plan, or ESPP, in February 2013 and our stockholders approved the ESPP in March 2013. The ESPP became effective in connection with our IPO in April 2013. The purpose of the ESPP is to retain the services of new employees and secure the services of new and existing employees while providing incentives for such individuals to exert maximum efforts toward our success and that of our affiliates.

The ESPP authorizes the issuance of 704,225 shares of our common stock pursuant to purchase rights granted to our employees or to employees of any of our designated affiliates. The number of shares of our common stock reserved for issuance will automatically increase on January 1 of each calendar year, from January 1, 2014 through January 1, 2023 by the least of (a) 1% of the total number of shares of our common stock outstanding on December 31 of the preceding calendar year, (b) 422,535 shares, or (c) a number determined by our Board of Directors that is less than (a) and (b). The ESPP is intended to qualify as an “employee stock purchase plan” within the meaning of Section 423 of the Code. As of December 31, 2017, 364,789 shares of our common stock have been purchased under the ESPP.

Our Board of Directors has delegated its authority to administer the ESPP to the Compensation Committee. The ESPP is implemented through a series of offerings of purchase rights to eligible employees. Under the ESPP, we may specify offerings with durations of not more than 27 months, and may specify shorter purchase periods within each offering. Each offering will have one or more purchase dates on which shares of our common stock will be purchased for employees participating in the offering. An offering may be terminated under certain circumstances.

**Payroll Deductions.** Generally, all regular employees, including executive officers, employed by us or by any of our designated affiliates, may participate in the ESPP and may contribute, normally through payroll deductions, up to 15% of their earnings for the purchase of our common stock under the ESPP, subject to certain limitations under the Code. Unless otherwise determined by our Board of Directors, common stock will be purchased for accounts of employees participating in the ESPP at a price per share equal to the lower of (a) 85% of the fair market value of a share of our common stock on the first date of an offering or (b) 85% of the fair market value of a share of our common stock on the date of purchase.

**Corporate Transactions.** In the event of certain significant corporate transactions, including: (i) a sale of all our assets, (ii) the sale or disposition of 90% of our outstanding securities, (iii) the consummation of a merger or consolidation where we do not survive the transaction, and (iv) the consummation of a merger or consolidation where we do survive the transaction but the shares of our common stock outstanding immediately prior to such transaction are converted or exchanged into other property by virtue of the transaction, any then-outstanding rights to purchase our stock under the ESPP may be assumed, continued or substituted for by any surviving or acquiring entity (or its parent company). If the surviving or acquiring entity (or its parent company) elects not to assume, continue or substitute for such purchase rights, then the participants’ accumulated payroll contributions will be used to purchase shares of our common stock within 10 business days prior to such corporate transaction, and such purchase rights will terminate immediately.

**Plan Amendments, Termination.** Our Board of Directors has the authority to amend or terminate our ESPP, provided that except in certain circumstances any such amendment or termination may not materially impair any outstanding purchase rights without the holder’s consent. We will obtain stockholder approval of any amendment to our ESPP as required by applicable law or listing requirements.





## Outstanding Equity Awards at Fiscal Year-End

The following table sets forth certain information regarding outstanding equity awards granted to each named executive officer that remain outstanding as of December 31, 2017.

Name	Option Awards <sup>(1)</sup>		Stock Awards				
	Grant Date <sup>(1)</sup>	Number of Securities Underlying Unexercised Options (#) Exercisable	Number of Securities Underlying Unexercised Options (#) Unexercisable	Option Exercise Price (\$) <sup>(2)</sup>	Option Expiration Date	Number of Shares or Units of Stock that Have Not Vested	Market Value of Shares or Units of Stock that Have Not Vested (\$)
M. Michelle Berrey, M.D., M.P.H.	11/18/2012 <sup>(3)</sup>	36,482	—	4.26	11/17/2022	—	—
	1/28/2014 <sup>(4)</sup>	57,315	1,398	18.75	1/27/2024	—	—
	4/9/2014 <sup>(4)</sup>	128,333	11,667	21.92	4/8/2024	—	—
	1/28/2015 <sup>(4)</sup>	134,313	49,887	39.41	1/27/2025	—	—
	1/8/2016 <sup>(4)</sup>	231,725	251,875	8.06	1/7/2026	—	—
	5/9/2016	—	—	—	—	50,000 <sup>(8)</sup>	231,500
	1/24/2017 <sup>(4)</sup>	33,917	114,083	5.14	1/23/2027	—	—
	1/24/2017	—	—	—	—	74,000 <sup>(9)</sup>	342,620
	1/24/2017	—	—	—	—	55,500 <sup>(10)</sup>	256,965
Timothy W. Trost, C.P.A.	4/7/2011 <sup>(7)</sup>	78,461	—	2.35	4/6/2021	—	—
	1/28/2014 <sup>(4)</sup>	43,580	1,154	18.75	1/27/2024	—	—
	1/28/2015 <sup>(4)</sup>	47,396	17,604	39.41	1/27/2025	—	—
	1/8/2016	85,292	92,708	8.06	1/7/2026	—	—
	5/9/2016	—	—	—	—	30,000 <sup>(8)</sup>	138,900
	1/24/2017 <sup>(4)</sup>	11,630	39,120	5.14	1/23/2027	—	—
	1/24/2017	—	—	—	—	25,375 <sup>(9)</sup>	117,486
	1/24/2017	—	—	—	—	19,031 <sup>(10)</sup>	88,114
W. Garrett Nichols, M.D., M.S.	9/2/2014 <sup>(5)</sup>	73,125	16,875	24.74	9/1/2024	—	—
	1/28/2015 <sup>(4)</sup>	16,042	5,958	39.41	1/27/2025	—	—
	1/8/2016	85,292	92,708	8.06	1/7/2026	—	—
	5/9/2016	—	—	—	—	37,500 <sup>(8)</sup>	173,625
	1/24/2017 <sup>(4)</sup>	13,922	46,828	5.14	1/23/2027	—	—
	1/24/2017	—	—	—	—	30,375 <sup>(9)</sup>	140,636
	1/24/2017	—	—	—	—	22,781 <sup>(10)</sup>	105,476
Linda M. Richardson	1/8/2014 <sup>(6)</sup>	117,500	2,500	15.85	1/7/2024	—	—

1/28/2015 <sup>(4)</sup>	47,396	17,604	39.41	1/27/2025	—	—
1/8/2016	85,292	92,708	8.06	1/7/2026	—	—
5/9/2016	—	—	—	30,000 <sup>(8)</sup>	138,900	
1/24/2017 <sup>(4)</sup>	13,922	46,828	5.14	1/23/2027	—	—
1/24/2017	—	—	—	30,375 <sup>(9)</sup>	140,636	
1/24/2017	—	—	—	22,781 <sup>(10)</sup>	105,476	

All of the option awards granted since 2013 were granted under the 2013 plan, all of the option awards granted in 2012 were granted under the 2012 plan, and all of the options granted prior to 2012 were granted under the 2002 plan. The terms of the 2013, 2012, and 2002 plans are described above under “Equity Compensation Arrangements.”

- (1) Except as otherwise indicated, each option award becomes exercisable as it becomes vested, and all vesting is subject to the executive’s continuous service with the Company through the vesting date. All share numbers above that relate to awards granted prior to March 25, 2013 reflect our 3.55-for-1 reverse stock split effected on March 25, 2013.
- (2) All of the option awards were granted with a per share exercise price equal to the fair market value of one share of our common stock on the date of grant.
- (3) 25% of the shares subject to the option vest on November 12, 2013, and 1/36<sup>th</sup> of the shares vest monthly thereafter.
- (4) 1/48<sup>th</sup> of the shares subject to the option vest monthly after the grant date.
- (5) 25% of the shares subject to the option vest on September 2, 2015, and 1/36<sup>th</sup> of the shares vest monthly thereafter.
- (6) 25% of the shares subject to the option vest on January 8, 2015, and 1/36<sup>th</sup> of the shares vest monthly thereafter
- (7) 25% of the shares subject to the option vest on July 26, 2011, and 1/36<sup>th</sup> of the shares vest monthly thereafter.
- (8) This stock award consists of RSUs that vest each year over a three-year period (50% after the first year and 25% after each of the second and third year).
- (9) This stock award consists of time-based RSUs that vest in equal annual installments over four years.
- (10) This stock award consists of performance-based RSUs that vest over a four year period subject to meeting certain goals.

## Option Exercises and Stock Vested

The following table provides information on stock options exercised, including the number of shares acquired upon exercise and the value realized, determined as described below, for the named executive officers in the year ended December 31, 2017. None of our named executive officers held stock awards other than stock options and RSUs as of December 31, 2017.

Name	Option Awards		Stock Awards	
	Number of Shares Acquired on Exercise (#)	Value Realized on Exercise (\$) <sup>(1)</sup>	Number of Shares Acquired on Vesting (#)	Value Realized on Vesting (\$) <sup>(2)</sup>
M. Michelle Berrey, M.D., M.P.H.	23,474	25,117	50,000	237,500
Timothy W. Trost, C.P.A. —	—	—	30,000	142,500
W. Garrett Nichols, M.D., M.S. —	—	—	37,500	178,125
Linda M. Richardson —	—	—	30,000	142,500

The value realized on exercise is based on the difference between the closing price of our common stock on the (1) date of exercise and the applicable exercise price of those options, and does not represent actual amounts received by the named executive officers as a result of the option exercises.

(2) The value realized on vesting is based on the closing price of our common stock on the date of vesting, and does not represent actual amounts received by the named executive officers as a result of the RSU vesting.

## Potential Payments upon Termination or Change in Control

Our Officer Severance Benefit Plan, or the severance plan, was originally adopted in February 2013 and further amended in December 2013. Under the severance plan, our officers, including our named executive officers, are eligible to receive severance benefits upon a covered termination either alone or within the thirty days prior to or thirteen months following a change in control transaction (which generally has the same meaning as set forth in our 2013 plan). A covered termination means the officer's termination without cause or resignation with good reason (including resignation due to any material reduction in duties, authorities or responsibilities, base salary or relocation by more than fifty miles). All of the severance benefits under the severance plan are contingent upon delivery to us of an effective release of claims and continued compliance with certain post-termination covenants, including a non-compete agreement.

Upon a covered termination that does not occur within the thirty days prior to or thirteen months following a change in control transaction, Dr. Berrey, Mr. Trost, Dr. Nichols, and Ms. Richardson are eligible to receive (i) a payment equal to twelve months (or fifteen months, for Dr. Berrey) of base salary (the "severance period"); (ii) accelerated vesting of all outstanding time-based stock options and other time-based stock awards as if the executive had completed service for the severance period; and (iii) payment of COBRA benefits for the severance period.

Upon a covered termination that occurs within the thirty days prior to or thirteen months following a change in control transaction, Dr. Berrey, Mr. Trost, Dr. Nichols, and Ms. Richardson are eligible for the same benefits described above for a covered termination not in connection with a change in control, except that the severance period is eighteen months for Dr. Berrey. Additionally, each executive will receive a lump sum amount equivalent to his or her target bonus for the year of termination and full vesting acceleration of all outstanding stock options and other stock awards. With respect to any such stock awards that are subject to performance-based vesting, acceleration will occur as if the performance criteria were attained at a 100% level.



The following table shows estimated payments that would be made to each named executive officer in the event of a termination of employment under various termination situations, assuming the applicable termination event occurred on December 31, 2017.

Name	Benefit	Termination Not in Connection with a Change in Control (\$) <sup>(1)</sup>	Termination in Connection with a Change in Control (\$) <sup>(2)</sup>	2013 plan and 2012 plan—Certain Corporate Transactions (\$) <sup>(3)</sup>
M. Michelle Berrey, M.D., M.P.H.	Lump Sum Cash Severance Payment	677,149	812,579	—
	Lump Sum Target Bonus Payment	—	270,860	—
	COBRA Payments <sup>(4)</sup>	43,413	52,095	—
	Vesting Acceleration <sup>(5)</sup>	415,543	831,085	831,085
	Benefit Total	1,136,105	1,966,619	831,085
	Timothy W. Trost, C.P.A.	Lump Sum Cash Severance Payment	371,669	371,669
Lump Sum Target Bonus Payment		—	130,084	—
COBRA Payments <sup>(4)</sup>		23,701	23,701	—
Vesting Acceleration <sup>(5)</sup>		172,250	344,500	344,500
Benefit Total		567,620	869,954	344,500
W. Garrett Nichols, M.D., M.S.		Lump Sum Cash Severance Payment	427,093	427,093
	Lump Sum Target Bonus Payment	—	149,483	—
	COBRA Payments <sup>(4)</sup>	34,730	34,730	—
	Vesting Acceleration <sup>(5)</sup>	209,869	419,737	419,737
	Benefit Total	671,692	1,031,043	419,737
	Linda M. Richardson	Lump Sum Cash Severance Payment	380,363	380,363
Lump Sum Target Bonus Payment		—	133,127	—
COBRA Payments <sup>(4)</sup>		11,422	11,422	—
Vesting Acceleration <sup>(5)</sup>		192,506	385,012	385,012
Benefit Total		584,291	909,924	385,012

These benefits would be payable by the Company under our severance plan if an officer is terminated by reason of a covered termination (as such term is defined in the severance plan) and such termination does not occur during the period within 30 days prior to or 13 months following a change in control, assuming such termination took place on December 31, 2017.

(1)

(2)

These benefits would be payable by the Company under our severance plan if an officer is terminated by reason of a covered termination (as such term is defined in the severance plan) and such termination occurs during the period within 30 days prior to or 13 months following a change in control, assuming such termination took place on December 31, 2017.

- These benefits would be payable by the Company under the 2013 plan if, upon a corporate transaction event, the Board of Directors exercised its discretion to accelerate the vesting and exercisability of outstanding stock awards, and under the 2012 plan, if outstanding awards were not assumed, continued or substituted for by the acquiring company in a corporate transaction, in each case assuming the vesting acceleration took place on December 31, 2017. For a description of the potential vesting acceleration provisions in the 2013 plan and 2012 plan, see “Description of Compensation Arrangements—Equity Compensation Arrangements” above.
- (3)
- (4) COBRA payments would be payable by the Company pursuant to our severance plan for the duration of the applicable severance period.

- The value of stock option vesting acceleration is based on the closing price of \$4.63 per share of common stock on December 30, 2017, multiplied by the number of shares subject to acceleration, less the stock option exercise price. Accordingly, the amounts reported in the table only reflect option grants with an exercise price less than the closing price of \$4.63 per share of common stock on December 30, 2017. The value of RSU vesting acceleration is based on the closing price of \$4.63 per share of common stock on December 30, 2017, multiplied by the number of unvested RSUs subject to acceleration.

## Securities Authorized for Issuance Under Equity Compensation Plans

Plan Category	Number of securities to be issued upon exercise of outstanding options, warrants and rights (a)	Weighted-average exercise price of outstanding options, warrants and rights (b)	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a)) (c)
Equity compensation plans approved by security holders	4,756,978 (2013 Plan) 73,441 (2012 Plan) 166,240 (2002 Plan)	16.13 3.94 2.75	1,082,608 (2013 Plan) 0 (2012 Plan) 0 (2002 Plan)
Equity compensation plans not approved by security holders	—	—	—
Total	4,996,659	15.51	1,082,608

## DIRECTOR COMPENSATION

The following table sets forth in summary form information concerning the compensation that was earned by each of our non-employee directors during the year ended December 31, 2017:

Name	Fees		Total (\$) <sup>(1)</sup>
	Earned or Paid in Cash (\$)	Option Awards (\$) <sup>(1)</sup>	
James Daly	40,000	78,340	118,340
Martha J. Demski	53,500	91,930	145,430
Catherine Gilliss, Ph.D., R.N., F.A.A.N.	38,500	78,340	116,840
John Leonard, M.D.	40,000	78,340	118,340
Patrick Machado	47,500	78,340	125,840
Ernest Mario, Ph.D.	35,000	107,797	142,797
James Niedel, M.D., Ph.D.	42,000	82,797	124,797
Ronald Renaud, Jr.	42,500	78,340	120,840
Lisa Ricciardi <sup>(2)</sup>	22,500	—	22,500

- (1) Amounts listed represent the aggregate grant date fair value of option awards granted during 2017 computed in accordance with ASC 718. Assumptions used in the calculation of these amounts are included in Note 7 to the Financial Statements in our Annual Report on Form 10-K for the year ended December 31, 2017. These amounts do not reflect the actual economic value that will be realized by the non-employee director upon the vesting of the stock options, the exercise of the stock options, or the sale of the common stock underlying such stock options. The aggregate number of shares subject to each non-employee director's outstanding option awards as of December 31, 2017 was as follows: Mr. Daly 66,000 shares; Ms. Demski, 73,351 shares; Dr. Gilliss, 66,000 shares; Dr. Leonard, 66,000 shares; Mr. Machado, 66,000 shares; Dr. Mario, 70,139 shares; Dr. Niedel, 48,000 shares; and Mr. Renaud,



57,000 shares. None of our non-employee directors held unvested stock awards other than stock options as of December 31, 2017.

- (2) Lisa Ricciardi's service as a non-employee director ended effective June 28, 2017 and, as a result, she received neither a stock option award for 2017 nor a cash retainer for the third and fourth fiscal quarters of 2017.

We have implemented a compensation policy for our non-employee directors which provides for automatic cash and equity grants for service on our Board of Directors. Our non-employee directors receive the following annual cash retainers under our non-employee director compensation policy:

\$35,000 for all eligible non-employee directors;

\$7,500, \$5,000 and \$3,500 for service (other than as chairman) on the Audit Committee, Compensation Committee and Nominating and Governance Committee, respectively; and

\$15,000, \$10,000 and \$7,000 for service as the chairman of the Audit Committee, Compensation Committee and Nominating and Governance Committee, respectively.

In addition, our non-employee director compensation policy provides for (1) the automatic initial grant for each non-employee director first joining the Board of Directors an option to purchase 42,000 shares of common stock that vests with respect to 25% of the shares on the one year anniversary of the date of grant and monthly thereafter for 36 months, subject to the director continuing to provide services to us during such period; (2) the automatic annual grant for each non-employee director whose term continues on the date of our annual meeting each year an option to purchase 21,000 shares of common stock that vests in 12 equal monthly installments from the date of grant, provided that in any case such option is fully vested on the date of our next annual stockholder meeting, subject to the director continuing to provide services to us during such period; and (3) on the date of our annual meeting each year, the Chair of our Board of Directors being granted an additional grant consisting of an option having a Black-Scholes value of \$25,000 on the date of grant that vests on the same schedule as the automatic annual grant described in (2) above.

In April 2018, our Compensation Committee approved modifications to our non-employee director compensation policy. Pursuant to our modified non-employee director compensation policy, our non-employee directors will receive the following annual cash retainers:

\$40,000 for all eligible non-employee directors, plus an additional \$30,000 annual cash retainer for the Chair of our Board of Directors;

\$10,000, \$7,500 and \$5,000 for service (other than as chairman) on the Audit Committee, Compensation Committee and Nominating and Governance Committee, respectively; and

\$20,000, \$15,000 and \$10,000 for service as the chairman of the Audit Committee, Compensation Committee and Nominating and Governance Committee, respectively.

The equity awards granted under our modified non-employee director compensation policy remain unchanged, except that the Chair of our Board of Directors will no longer be entitled to the additional option described in (3) above.

The stock options granted to our non-employee directors under our non-employee director compensation policy are granted under our 2013 plan and do not qualify as incentive stock options. Such stock options are generally subject to the terms of our form of stock option agreements under the 2013 plan, except that the options will vest in full upon a change in control (as defined in the 2013 plan).



We have reimbursed and will continue to reimburse all of our non-employee directors for their travel, lodging and other reasonable expenses incurred in attending meetings of our Board of Directors and committees of our Board of Directors.

We have implemented stock ownership guidelines for our non-employee directors. The stock ownership guidelines are intended to align the interests of our non-employee directors with the interests of our stockholders and to further promote our commitment to sound corporate governance. The stock ownership guidelines require each non-employee director to accumulate a substantial interest in our common stock equal in value (based on the closing price of our common stock as of the last day of an applicable fiscal year) to at least three times the non-employee director's annual cash retainer. Unvested equity awards do not count towards this ownership guideline. Our non-employee directors have a certain period of time to comply with these guidelines after the adoption date or after joining our Board of Directors, if later.

## TRANSACTIONS WITH RELATED PERSONS

### Indemnification Agreements

We have entered, and intend to continue to enter, into separate indemnification agreements with our directors and executive officers, in addition to the indemnification provided for in our amended and restated bylaws. These agreements, among other things, require us to indemnify our directors and executive officers for certain expenses, including attorneys' fees, judgments, fines and settlement amounts incurred by a director or executive officer in any action or proceeding arising out of their services as one of our directors or executive officers or any other company or enterprise to which the person provides services at our request. We believe that these bylaw provisions and indemnification agreements are necessary to attract and retain qualified persons as directors and officers.

### Policies and Procedures

We have adopted a written related-person transactions policy that sets forth our policies and procedures regarding the identification, review, consideration and oversight of "related-person transactions." For purposes of our policy only, a "related-person transaction" is a transaction, arrangement or relationship (or any series of similar transactions, arrangements or relationships) in which we and any "related person" are participants involving an amount that exceeds \$120,000.

Transactions involving compensation for services provided to us as an employee, consultant or director are not considered related-person transactions under this policy. A related person is any executive officer, director or a holder of more than five percent of our common stock, including any of their immediate family members and any entity owned or controlled by such persons.

Under the policy, where a transaction has been identified as a related-person transaction, management must present information regarding the proposed related-person transaction to our Audit Committee (or, where review by our Audit Committee would be inappropriate, to another independent body of our Board of Directors) for review. The presentation must include a description of, among other things, the material facts, the direct and indirect interests of the related persons, the benefits of the transaction to us and whether any alternative transactions are available. To identify related-person transactions in advance, we rely on information supplied by our executive officers, directors and certain significant stockholders. In considering related-person transactions, our Audit Committee or another independent body of our Board of Directors takes into account the relevant available facts and circumstances including, but not limited to:

the risks, costs and benefits to us;

the impact on a director's independence in the event the related person is a director, immediate family member of a director or an entity with which a director is affiliated;

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the terms of the transaction;

the availability of other sources for comparable services or products; and

the terms available to or from, as the case may be, unrelated third parties or to or from our employees generally.

In the event a director has an interest in the proposed transaction, the director must recuse himself or herself from the deliberations and approval.

#### HOUSEHOLDING OF PROXY MATERIALS

The SEC has adopted rules that permit companies and intermediaries (e.g., brokers) to satisfy the delivery requirements for Notices of Internet Availability of Proxy Materials or other Annual Meeting materials with respect to two or more stockholders sharing the same address by delivering a single Notice of Internet Availability of Proxy Materials or other Annual Meeting materials 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 brokers with account holders who are Chimerix, Inc. stockholders will be “householding” the Company’s proxy materials. A single Notice of Internet Availability of Proxy Materials 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 broker that they 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 Notice of Internet Availability of Proxy Materials, please notify your broker or Chimerix, Inc. Direct your written request to Chimerix, Inc., Attn: Legal Department, 2505 Meridian Parkway, Suite 100, Durham, NC 27713 or dial (919) 806-1074. Stockholders who currently receive multiple copies of the Notice of Internet Availability of Proxy Materials at their addresses and would like to request “householding” of their communications should contact their brokers.

#### OTHER MATTERS

The Board of Directors knows of no other matters that will be presented for consideration at the Annual Meeting. If any other matters are properly brought before the meeting, it is the intention of the persons named in the accompanying proxy to vote on such matters in accordance with their best judgment.

By Order of the Board of Directors

Timothy W. Trost, CPA  
Secretary

April 25, 2018

A copy of the Company's Annual Report to the Securities and Exchange Commission on Form 10-K for the fiscal year ended December 31, 2017 is available without charge upon written request to: Corporate Secretary, Chimerix, Inc., 2505 Meridian Parkway, Suite 100, Durham, NC 27713.





