

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 Rule 14a-12

MEDICINOVA, INC.

(Name of Registrant as Specified In Its Charter)

Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- No fee required.
- Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.

(1) Title of each class of securities to which transaction applies:

(2) Aggregate number of securities to which transaction applies:

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

(4) Proposed maximum aggregate value of transaction:

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Fee paid previously with preliminary materials.

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

(1) Amount Previously Paid:

(2) Form, Schedule or Registration Statement No.:

(3) Filing Party:

(4) Date Filed:



April 29, 2015

Dear Stockholder:

You are cordially invited to attend the Annual Meeting of Stockholders of MediciNova, Inc. The meeting will be held on Thursday, June 11, 2015, at 3:30 p.m. Pacific Daylight Time at 4225 Executive Square, Suite 495, La Jolla, California 92037.

With this letter we have enclosed a copy of our Annual Report on Form 10-K for the fiscal year ended December 31, 2014, Notice of Annual Meeting of Stockholders, Proxy Statement and proxy card. These materials provide further information concerning our Annual Meeting.

After reading the Proxy Statement, please mark, date, sign and return the enclosed proxy to ensure that your shares will be represented. WE CANNOT ENSURE THAT YOUR SHARES WILL BE VOTED UNLESS YOU SIGN, DATE AND RETURN THE ENCLOSED PROXY SO THAT IT IS RECEIVED BY JUNE 10, 2015, OR YOU MAY ATTEND THE ANNUAL MEETING IN PERSON. Your vote is important, so please return your proxy promptly.

The Board of Directors and management look forward to seeing you at the meeting.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Y. Iwaki".

Yuichi Iwaki, M.D., Ph.D.
President, Chief Executive Officer and Director

If you need additional copies of this Proxy Statement or the enclosed proxy card, or if you have other questions about the proposals or how to vote your shares, you may contact our proxy solicitor:

ADVANTAGE PROXY
(877) 870-8565 (toll free)



NOTICE OF ANNUAL MEETING OF STOCKHOLDERS TO BE HELD JUNE 11, 2015

To the Stockholders of MediciNova, Inc.:

NOTICE IS HEREBY GIVEN that the Annual Meeting of Stockholders of MediciNova, Inc., a Delaware corporation, or MediciNova, will be held on Thursday, June 11, 2015, at 3:30 p.m. Pacific Daylight Time at 4225 Executive Square, Suite 495, La Jolla, California 92037 for the following purposes:

1. To elect one Class II director of the Company, as recommended for nomination by the Nominating and Corporate Governance Committee and approved by the Board, to hold office until the 2018 Annual Meeting of Stockholders and until his successor has been duly elected and qualified, or, if sooner, until his earlier death, resignation or removal;
2. To ratify the Audit Committee's selection of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2015;
3. To conduct any other business properly brought before the Annual Meeting.

Stockholders of record as of the close of business on April 17, 2015 are entitled to notice of, and to vote at, the Annual Meeting and any adjournment or postponement thereof. A complete list of stockholders entitled to vote at the Annual Meeting will be available for inspection at MediciNova's offices, located at 4275 Executive Square, Suite 650, La Jolla, California 92037, for ten days prior to the meeting.

It is important that your shares are represented at the Annual Meeting. Even if you plan to attend the meeting in person, we hope that you will mark, sign and date the enclosed proxy and return it promptly so that it is received by June 10, 2015. This will not limit your right to attend or vote at the meeting.

By Order of the Board of Directors,

A handwritten signature in black ink, appearing to read "Yuichi Iwaki".

Yuichi Iwaki, M.D., Ph.D.
President, Chief Executive Officer and Director

La Jolla, California
April 29, 2015

Important Notice Regarding the Availability of Proxy Materials for the Shareholder Meeting To Be Held on June 11, 2015: This proxy statement and our 2014 Annual Report on Form 10-K are available at: <https://materials.proxyvote.com/58468P>

**MEDICINOVA, INC.
4275 EXECUTIVE SQUARE, SUITE 650
LA JOLLA, CALIFORNIA 92037**

**PROXY STATEMENT FOR THE ANNUAL MEETING OF
STOCKHOLDERS TO BE HELD JUNE 11, 2015**

What is this document?

This document is the Proxy Statement of MediciNova, Inc., a Delaware corporation, for the Annual Meeting of Stockholders to be held at 3:30 p.m., Pacific Daylight Time, on Thursday, June 11, 2015. A form of proxy card is included. This document and the form of proxy card are first being mailed or given to stockholders on or about April 29, 2015.

We refer to our company throughout this document as “we,” “us,” the “Company” or “MediciNova.”

Why I am receiving this document?

You are receiving this document because you were one of our stockholders of record as of the close of business on April 17, 2015, the record date for our Annual Meeting, or the Record Date. We are sending this document and the form of proxy card to solicit your proxy to vote upon certain matters at the Annual Meeting.

When and where is the Annual Meeting being held, and who may attend?

The Annual Meeting is scheduled to be held on Thursday, June 11, 2015, at 3:30 p.m. Pacific Daylight Time at 4225 Executive Square, Suite 495, La Jolla California 92037, as well as any adjournment or postponement thereof. Only stockholders, their proxy holders and our invited guests may attend the meeting. If a broker, bank or other nominee holds your shares in street name, please bring a copy of the account statement reflecting your ownership as of April 17, 2015 so that we may verify your status as a stockholder and have you check in at the registration desk for the meeting. For security reasons, we also may require photo identification for admission. If you would like directions to the meeting, please send your request to MediciNova, Inc., 4275 Executive Square, Suite 650, La Jolla, California 92037, Attention: Investor Relations.

What is a proxy, and who is paying the costs to prepare this document and solicit my proxy?

A proxy is your legal designation of another person to vote your shares of our common stock, par value \$0.001 per share, or the Common Stock. The document that designates someone as your proxy is also called a proxy or a proxy card.

We will pay all expenses of this solicitation, including the cost of preparing and mailing this Proxy Statement and the form of proxy card.

Who is soliciting my proxy and will anyone be compensated to solicit my proxy?

Your proxy is being solicited by and on behalf of our Board of Directors, or the Board. In addition to solicitation by use of the mails, proxies may be solicited by our officers, directors and employees and Advantage Proxy in person or by personal interview, telephone, electronic mail, facsimile transmission or other means of communication. Our officers, directors and employees will not be additionally compensated, but they may be reimbursed for out-of-pocket expenses in connection with any solicitation. Advantage Proxy will be paid its customary fee of \$3,300 plus reimbursement of up to \$750 in out-of-pocket expenses to solicit proxies. We also may reimburse custodians, nominees and fiduciaries for their expenses in sending proxies and proxy material to beneficial owners.

Who is entitled to vote at the Annual Meeting?

Only holders of shares of our Common Stock as of the Record Date are entitled to vote at the Annual Meeting. As of the close of business on the Record Date, we had 24,702,921 shares of our Common Stock outstanding.

How many votes do I have, and can I cumulate my vote?

You have one vote for each share of our Common Stock that you held as of the Record Date. Cumulative voting is not allowed.

What is the quorum requirement?

A quorum of stockholders is necessary to hold a valid meeting. A quorum must be present at the Annual Meeting for any business to be conducted. 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 24,702,921 shares of our Common Stock outstanding and entitled to vote. Thus, the holders of 12,351,462 shares of voting stock 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 of voting stock present at the meeting in person or represented by proxy may adjourn the meeting to another date.

How may I vote my shares?

You may vote your shares of our Common Stock at the Annual Meeting either in person or by proxy. To vote by proxy, you must mark, date, sign and mail the enclosed proxy. Submitting a proxy will not affect your right to vote your shares if you attend the Annual Meeting and want to vote in person. The shares represented by the proxies received in response to this solicitation and not properly revoked will be voted at the Annual Meeting in accordance with the instructions therein.

What am I voting on?

You will be asked to be to vote on the following:

- the election of one Class II director, as recommended for nomination by the Nominating and Corporate Governance Committee and approved by the Board;
- the ratification of the Audit Committee's selection of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2015; and
- such other business that may be properly brought before the Annual Meeting.

May other matters be raised at the Annual Meeting; how will the meeting be conducted?

We currently are not aware of any business to be acted upon at the Annual Meeting other than the matters described above. Under Delaware law and our governing documents, no other business aside from procedural matters may be raised at the Annual Meeting unless proper notice has been given to us by the stockholders. If other business is properly raised, your proxies have authority to vote as they think best, including to adjourn the meeting.

We have broad authority to conduct the Annual Meeting so that the business of the meeting is carried out in an orderly and timely manner. In doing so, we have broad discretion to establish reasonable rules for discussion,

comments and questions during the meeting. We are also entitled to rely upon applicable laws regarding disruptions or disorderly conduct to ensure that the Annual Meeting proceeds in a manner that is fair to all participants.

If my shares are held by my broker in street name, will my broker vote my shares for me?

If you are the beneficial owner of shares held in “street name” by a broker, your broker is the record holder of the shares. The broker, however, is required to vote those shares in accordance with your instructions. If you do not give instructions to your broker, your broker may exercise discretionary voting power to vote your shares with respect to routine matters, but the broker may not exercise discretionary voting power to vote your shares with respect to “non-routine” items. In the case of non-routine items, the shares that cannot be voted by your broker would be treated as “broker non-votes.” At the Annual Meeting, only the ratification of the appointment of Ernst & Young LLP is a routine item for which your broker may exercise discretionary voting power.

How will my proxy be voted?

The individuals named on the proxy card will vote your proxy in the manner you indicate on the proxy card. If your shares are not held in street name and you return your proxy but do not mark your voting preference, the individuals named as proxies will vote your shares: (i) **FOR** the election of the one nominee for Class II director, as recommended for nomination by the Nominating and Corporate Governance Committee and approved by the Board, to hold office until the 2018 Annual Meeting of Stockholders and until his successor has been duly elected and qualified, or, if sooner, until his earlier death, resignation or removal; (ii) **FOR** the ratification of the Audit Committee’s selection of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2015.

If your shares are held in street name and you return your proxy but do not mark your voting preference on “Proposal One: Election of Class II Director,” your shares will not be voted and the shares become broker non-votes as to the particular proposal.

If your shares are held in street name and you return your proxy but do not mark your voting preference on “Proposal Two: Ratification of Appointment of Independent Registered Public Accounting Firm,” the bank, broker or other nominee has the authority to vote your unvoted shares. If the bank, broker or other nominee does not vote your unvoted shares on Proposal Two, the shares become “broker non-votes” as to such proposal.

We encourage you to provide voting instructions. This will ensure your shares of Common Stock will be voted at the Annual Meeting in the manner you desire.

How many votes are needed to approve each proposal?

Directors are elected by a plurality vote of the votes cast by the holders of shares of our Common Stock entitled to vote at the Annual Meeting. A plurality vote means that the director who receives the most votes in an election, though not necessarily a majority, will be elected. Only votes **FOR** or **WITHHOLD** will affect the outcome.

To be approved, the ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm must receive **FOR** votes from the holders of a majority of the shares either present in person or represented by proxy at the Annual Meeting and entitled to vote on such proposal. If you **ABSTAIN** from voting, it will have the same effect as an **AGAINST** vote. Broker non-votes will have no effect.

Can I change my mind and revoke my proxy?

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:

- attend the Annual Meeting and vote in person;

- submit a written notice of revocation to us prior to or at the Annual Meeting; or
- submit another proxy of a later date that is properly executed prior to or at the Annual Meeting.

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

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.

Will my vote be confidential?

Yes. We will continue our practice of keeping the votes of all stockholders confidential. Stockholder votes will not be disclosed to our directors, officers, employees or agents, except:

- as necessary to meet applicable legal requirements;
- in a dispute regarding authenticity of proxies and ballots;
- in the case of a contested proxy solicitation, if the other party soliciting proxies does not agree to comply with the confidential voting policy; or
- when a stockholder makes a written comment on the proxy card or otherwise communicates the vote to management.

How can I find out the results of the voting at the annual meeting?

Preliminary voting results will be announced at the 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.

What proxy materials are available on the internet?

The Proxy Statement and Annual Report on Form 10-K are available at <https://materials.proxyvote.com/58468P>.

Where is our Common Stock traded?

Our Common Stock is traded and quoted on The NASDAQ Global Market, or NASDAQ, under the symbol "MNOV" and on the Jasdak Market of the Tokyo Stock Exchange under the code "4875."

IMPORTANT

Please mark, sign and date the enclosed proxy and return it promptly so that it is received by June 10, 2015 to ensure that your shares can be voted, whether or not you intend to be present at the Annual Meeting. This will not limit your rights to attend or vote in person at the Annual Meeting.

PROPOSAL ONE:

ELECTION OF CLASS II DIRECTOR

General

The Board currently consists of six members divided into three classes, each serving staggered three-year terms as follows:

- Class I, whose term will expire at the Annual Meeting of Stockholders to be held in 2017;
- Class II, whose term will expire at the Annual Meeting; and
- Class III, whose term will expire at the Annual Meeting of Stockholders to be held in 2016.

The Class II members of the Board are scheduled for election at the Annual Meeting. One of the Class II members of the Board, Hiroaki Shigeta, has informed the Company that he will not stand for re-election at the Annual Meeting. In addition, Kissei Pharmaceutical Co., Ltd. has determined not to have Kousuke Nakata, a Class II member of the Board, stand for re-election as a designate of Kissei. As a consequence, the Board has reduced the size of the Board to four members and the number of Class II members to one effective as of the Annual Meeting. The Nominating and Corporate Governance Committee of the Board has recommended, and the Board has designated, Yuichi Iwaki, M.D., Ph.D., who is an incumbent director, to be elected as the Class II director at the Annual Meeting. If elected at the Annual Meeting, the Class II director will hold office until the Annual Meeting of Stockholders in 2018 and until his successor has been duly elected and qualified unless he resigns or is removed. If Dr. Iwaki is unable or declines to serve as a director at the time of the Annual Meeting, proxies will be voted for any nominee designed by the Board, taking into account a recommendation by the Nominating and Corporate Governance Committee, if any, to fill the vacancy.

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 Class II director nominee receiving the highest number of affirmative votes will be elected. The nominee has agreed to serve if elected. Our management has no reason to believe that the nominee will be unable to serve.

Biographical Information

Biographical information concerning each of the Class I directors whose term of office expires at the 2017 Annual Meeting of Stockholders is set forth below.

<u>Name</u>	<u>Age</u>	<u>Principal Business Experience</u>
Jeff Himawan, Ph.D.	50	<i>Jeff Himawan, Ph.D.</i> has served as a director since January 2006 and became Chairman of the Board of Directors in March 2007. Dr. Himawan is a Managing Director of Essex Woodlands Health Ventures, L.P., which he joined in 2001. Essex Woodlands Health Ventures and its affiliates own approximately 4.9% of our Common Stock. Prior to joining Essex Woodlands Health Ventures, Dr. Himawan was Managing Director and Co-founder of Seed-One Ventures, LLC. Prior to Seed-One Ventures, he was a scientist in academic and industrial settings. He has served as a director of Horizon Pharma, Inc., a company listed on The NASDAQ Stock Market, since 2007. Dr. Himawan also served as a member of the Board of Iomai Corporation (now Intercell USA, Inc.) from 2002 to 2007. Dr. Himawan holds a B.S. in biology from the Massachusetts Institute of Technology and a Ph.D. in biological chemistry and molecular pharmacology from Harvard University. Based on his background in corporate finance and capital raising and his extensive experiences in the biotechnology industry, the Board believes Dr. Himawan has the appropriate set of skills to serve as a member of our Board.

Biographical information concerning the Class II director nominee for election at the Annual Meeting is set forth below.

<u>Name</u>	<u>Age</u>	<u>Principal Business Experience</u>
Yuichi Iwaki, M.D., Ph.D.	65	<p><i>Yuichi Iwaki, M.D., Ph.D.</i> is a founder and served as the Chairman of the Board of Directors from our inception in September 2000 to March 2007, becoming Executive Chairman in July 2005, Acting Chief Executive Officer as of September 2005 and President and Chief Executive Officer as of March 2006. From September 2001 until January 2007, Dr. Iwaki also served as our consultant in connection with financing transactions and business development activities. Dr. Iwaki was a member of the Board of Avigen, Inc. from 1994 to 2008. He holds three professorships at the University of Southern California School of Medicine in the Departments of Urology, Surgery and Pathology and has been Director of the Transplantation Immunology and Immunogenetic Laboratory since 1992. Dr. Iwaki is also a visiting professor at the Nihon University School of Medicine and Kyushu University. Prior to joining the faculty at the University of Southern California School of Medicine, Dr. Iwaki held professorships at the University of Pittsburgh School of Medicine in the Departments of Surgery and Pathology from 1989 through 1991. Dr. Iwaki received both his M.D. and Ph.D. degrees from Sapporo Medical School in Sapporo, Japan. Dr. Iwaki is the author of more than 200 peer-reviewed publications and more than 40 book chapters. Dr. Iwaki has been advising pharmaceutical companies and venture capital funds regarding research and investment strategies for over 25 years and serves on the board of directors of several biotechnology companies. Based on his medical background, relationships with leading Japanese biotechnology companies and extensive experiences as a professor and as an advisor to pharmaceutical companies, the Board believes Dr. Iwaki has the appropriate set of skills to serve as a member of our Board.</p>

Biographical information concerning the Class III directors whose term of office expires at the 2016 Annual Meeting of Stockholders is set forth below.

<u>Name</u>	<u>Age</u>	<u>Principal Business Experience</u>
Yutaka Kobayashi	51	<i>Yutaka Kobayashi</i> has served as a director since October 2013. He has more than 20 years of experience in business. He has served as a consultant or special advisor to various companies. In addition, he was elected a member of Upper House in Japan in 2001 and re-elected in 2007. He also served as Vice Minister of Economy, Trade and Industry in Japan in 2005. He graduated from Waseda University and was a Fellow at Nitze School of Advanced International Studies at Johns Hopkins University. Based on his significant leadership experience in the Japan legislature and his extensive business experience, the Board believes Mr. Kobayashi has the appropriate set of skills to serve as a member of our Board.
Yoshio Ishizaka	75	<i>Yoshio Ishizaka</i> has served as a director since April 2014. He has 50 years of experience in marketing and product development with Toyota Motor Corporation (TMC). His international experience includes assignments in Japan, Europe and the U.S. Mr. Ishizaka started his career at TMC after graduating with a degree in law from the Hitotsubashi University in Japan. He served as Senior Vice President and Chief Coordinating Officer at Toyota Motor Sales, U.S.A, Inc. (TMS) from 1986 to 1990 and was instrumental in the development of the Lexus Division. He accepted the appointment of General Manager of TMC's Europe Division in 1990 where he built an integrated, local organization in Europe. In 1992, he was named to TMC's Board of Directors and returned to TMS U.S.A. to serve as President from 1996 to 1999. He returned to Japan in 1999, whereupon he was promoted to Senior Managing Director in charge of overseas operations. In 2001, he was promoted to Executive VP in overseas operations for TMC, and in 2005, became Senior Advisor to the TMC Board. The Board believes Mr. Ishizaka has the appropriate set of skills to serve as a member of our Board based on his extensive experience in marketing and product development with a large international company.

The Board recommends a vote "FOR" election of Dr. Iwaki as Class II Director.

CORPORATE GOVERNANCE

Director Independence

As required under 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. The Board of Directors consults with our outside counsel to ensure that the Board of Directors' 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 transactions or relationships between each director, or any of his or her family members, and MediciNova, our senior management and our independent registered public accounting firm, the Board has affirmatively determined that the following four directors are independent directors within the meaning of the applicable NASDAQ listing standards: Dr. Himawan and Messrs. Ishizaka, Kobayashi, and Shigeta. In making this determination, the Board found that none of the above directors had a material or other disqualifying relationship with us. Dr. Iwaki, our President and Chief Executive Officer, is not independent under the NASDAQ rules by virtue of his current employment with us. Mr. Nakata is not independent under the NASDAQ rules by virtue of his position as Director, Licensing and Clinical Development, Kissei America, Inc., which is an affiliate of Kissei Pharmaceutical Co., Ltd., a stockholder which

beneficially owns 11.2% of our Common Stock, on an as-converted basis, and which is the licensor of our MN-221 compound.

Nominations for Directors

The Board has as an objective that its membership be composed of experienced and dedicated individuals with diversity of experience, perspectives and skills. The Nominating and Corporate Governance Committee has the responsibility to identify, evaluate, recruit and recommend qualified candidates to the Board for nomination or election. The Nominating and Corporate Governance Committee will select candidates for election as director based on their character, judgment, diversity of experience, business acumen and ability to act on behalf of all stockholders. The satisfaction of these criteria is implemented and assessed through ongoing consideration of the directors and nominees by the Nominating and Corporate Governance Committee and the Board. Based on these activities and its review of the current composition of the Board and the director-nominee, the Nominating and Corporate Governance Committee and the Board believe that these criteria have been satisfied.

The Nominating and Corporate Governance Committee believes that nominees for director should have relevant experience, such as experience in management or accounting and finance or industry and technology knowledge that may be useful to us and the Board, high personal and professional ethics and the willingness and ability to devote sufficient time to effectively carry out his or her duties as a director. Diversity in professional experience, skills and other individual qualities and attributes that contribute to Board heterogeneity are among the factors that the Nominating and Corporate Governance Committee typically takes into account and seeks to foster in identifying nominees so that members of the Board represent different viewpoints and backgrounds. The Nominating and Corporate Governance Committee believes it appropriate for a majority of the members of the Board to meet the definition of “independent director” under the NASDAQ Marketplace Rules. The Nominating and Corporate Governance Committee also believes it is appropriate for our President and Chief Executive Officer to serve as a member of the Board.

Prior to each annual meeting of stockholders, the Nominating and Corporate Governance Committee identifies nominees for director by first evaluating the current directors whose term will expire at the annual meeting and who are willing to continue in service. These candidates are evaluated based on the criteria described above, including as demonstrated by the candidate’s prior service as a director, and the needs of the Board with respect to the particular talents and experience of its directors. In the event that a director does not wish to continue in service, the Nominating and Corporate Governance Committee determines not to re-nominate a director, or a vacancy is created on the Board as a result of a resignation, an increase in the size of the Board or other event, the Nominating and Corporate Governance Committee will consider various candidates for Board membership, including those suggested by the Nominating and Corporate Governance Committee members, other Board members, members of management, any executive search firm engaged by the Nominating and Corporate Governance Committee and stockholders. Once a slate of candidates is chosen by the Nominating and Corporate Governance Committee, the Nominating and Corporate Governance Committee recommends the candidates to the entire Board, and the Board then determines whether to designate the slate to be elected at the annual meeting of stockholders.

The Nominating and Corporate Governance Committee evaluates any nominees recommended by stockholders in the same manner that potential nominees suggested by Board members, management or other parties are evaluated. A stockholder who wishes to suggest a prospective nominee for the Board should notify any member of the Nominating and Corporate Governance Committee in writing with any supporting material the stockholder considers appropriate, which should be sent to our corporate headquarters at 4275 Executive Square, Suite 650, La Jolla, California 92037.

In addition, our Amended and Restated Bylaws, or the Bylaws, contain provisions that address the process by which a stockholder may nominate an individual to stand for election to the Board at the annual meeting of stockholders. In order to be considered, a recommendation for a candidate by a stockholder must be timely

delivered in writing to us and otherwise comply with the provisions of the Bylaws. The recommendation must include the following written information: the name, contact information and share ownership information for the candidate and the stockholder making the nomination and the citizenship information of the nominee and other information about the nominee that must be disclosed proxy solicitations under Section 14 of the Exchange Act and the related rules and regulations under that section. The Nominating and Corporate Governance Committee may also require any proposed nominee to furnish such other information as may reasonably be required by the Nominating and Corporate Governance Committee to determine the eligibility of such proposed nominee to serve as director. The recommendation should be sent to: Nominating and Corporate Governance Committee, MediciNova, Inc., 4275 Executive Square, Suite 650, La Jolla, California 92037. You can obtain a copy of the Bylaws by writing to us at this address.

Board Leadership Structure and Risk Oversight Function of the Board

The Board recognizes that one of its key responsibilities is to evaluate and determine its optimal leadership structure so as to provide independent oversight of management. The Board understands that there is no single, generally accepted approach to providing Board leadership and that Board leadership structure may vary as circumstances warrant. The leadership structure of our Board currently consists of an independent Chairman of the Board who oversees the Board and works closely with our Chief Executive Officer regarding Board matters. Our Chairman, Dr. Himawan, does not serve as our Chief Executive Officer as we believe this structure enhances the independence of our Board. Each of our Board committees is chaired by a different director who reports to the full Board on the activities and decisions made by the committees. We believe this leadership structure, with separate roles of Chairman and Chief Executive Officer and different directors chairing all of our committees, helps to facilitate efficient decision-making and communication among our directors.

Subject to active oversight by the Board, our management is primarily responsible for managing the risks we face in the ordinary course of operating our business. Our Board receives operations and strategic presentations from management, which presentations include discussions of the principal risks to our business. In addition, the Board has delegated certain risk oversight functions to each of its committees. The Audit Committee assists the Board in risk oversight functions related to specific areas such as treasury management, equity administration and contracts policy. The Audit Committee also reviews and discusses with management our system of disclosure controls and procedures and our internal controls over financial reporting. The Compensation Committee assists the Board in risk oversight functions related to our compensation policies and programs and employee retention issues. The Nominating and Corporate Governance Committee assists the Board in risk oversight functions related to important compliance matters, including periodic reviews of the Code of Ethics and Code of Business Conduct to ensure compliance with applicable securities laws and regulations and stock market rules. We believe that this leadership structure enhances our efficiency in fulfilling our oversight functions with respect to our business and facilitates division of risk management oversight responsibilities among the full Board, each of its committees and our management team.

Communications

If you wish to communicate with the Board, you may send your communication in writing to: Chairman of the Board of Directors, MediciNova, Inc., 4275 Executive Square, Suite 650, La Jolla, California 92037, who will forward all material communications received to the appropriate director or directors or committee of the Board based on the subject matter. You must include your name and address in the written communication and indicate whether you are a stockholder of us.

Code of Ethics and Code of Business Conduct

We have adopted a Code of Ethics for Senior Officers for the Chief Executive Officer, Chief Financial Officer and key management employees who have been identified by the Board. We also have adopted a Code of Business Conduct that applies to employees, consultants, representatives, officers and directors. Each of the Code

of Ethics for Senior Officers and Code of Business Conduct may be found under the Investor Relations-Corporate Governance section of our website at www.medicinova.com. We will post on our website (i) any waiver, if and when granted, to any provision of the Code of Ethics for Senior Officers or Code of Business Conduct (for executive officers or directors) and (ii) any amendment to the Code of Ethics for Senior Officers or Code of Business Conduct.

Board Meetings and Committees

The Board held 12 meetings during the year ended December 31, 2014. Each Board member attended at least 75% of the aggregate number of meetings of the Board and of the committees on which he served during the portion of the last fiscal year for which he was a director or committee member. We encourage, but do not require, our directors to attend the annual meetings of stockholders. One of our directors attended the 2014 Annual Meeting of Stockholders.

Independent Directors and Audit Committee

The members of the Audit Committee each meet the independence standards established by the U.S. Securities and Exchange Commission, or the SEC, and NASDAQ for audit committees. Each member of the Audit Committee has been selected by the Board based on its determination that the Audit Committee members are fully qualified to monitor the performance of management, the public disclosures by us of our financial condition and results of operations, our internal control over financial reporting and the performance of our independent registered public accounting firm, as well as to analyze and evaluate our financial statements. The Board believes that Mr. Ishizaka, Chairman of the Audit Committee, fulfills the requirements of NASDAQ’s Marketplace Rule 5605(c)(2), which requires at least one Audit Committee member have past employment experience in finance or accounting that results in the individual’s financial sophistication. The Board of Directors has also determined that Mr. Ishizaka qualifies as an “audit committee financial expert,” as defined in applicable SEC rules, and also possesses the financial sophistication and requisite experience as required under NASDAQ listing standards, based on his significant financial and operational experience.

Board Committees and Charters

The Board has three standing committees: the Audit Committee, the Compensation Committee and the Nominating and Corporate Governance Committee. The Nominating Committee determines the composition of these committees. Each member of these committees is an independent director in accordance with the applicable rules and regulations of the SEC and the NASDAQ listing standards. Each committee is governed by a written charter approved by the Board. A copy of each charter can be found under the Investor Relations-Corporate Governance section of our website at www.medicinova.com. The number of members, names of current members, number of meetings held during the last fiscal year and functions of each committee are set forth below:

Audit Committee

<i>Number of Members:</i>	Four
<i>Members:</i>	Mr. Ishizaka (Chairman) Dr. Himawan Mr. Kobayashi Mr. Shigeta
<i>Number of Meetings:</i>	Seven
<i>Functions:</i>	The Audit Committee assists the Board in fulfilling its legal and fiduciary obligations in matters involving our accounting, auditing, financial reporting, internal control and legal compliance functions by approving the services performed by our independent registered public accounting firm and reviewing its reports regarding our consolidated financial statements and system of internal accounting control over financial reporting. The Audit Committee is responsible

for the appointment, compensation, retention and oversight of our independent registered public accounting firm and for ensuring that such firm is independent of management.

Compensation Committee

Number of Members:

Four

Members:

Mr. Shigeta (Chairman)
Dr. Himawan
Mr. Ishizaka
Mr. Kobayashi

Number of Meetings:

Four

Functions:

The Compensation Committee determines our general compensation policies and practices. The Compensation Committee also reviews and approves compensation packages for our officers and, based on such review, recommends overall compensation packages for the officers to the Board. In addition, the Compensation Committee reviews and determines equity-based compensation for our directors, officers, employees and consultants and administers our stock incentive and employee stock purchase plans. Following the Annual Meeting, the Board will elect a new Chairman to succeed Mr. Shigeta, whose term expires at the Annual Meeting.

Compensation Committee Processes and Procedures:

Typically, the Compensation Committee meets several times a year. The agenda for each meeting is usually developed by the Chair of the Compensation Committee, in consultation with the Chief Executive Officer. The Compensation Committee meets regularly in executive session. However, from time to time, various members of management and other employees as well as outside advisors or consultants may be invited by the Compensation Committee to make presentations, to provide financial or other background information or advice or to otherwise participate in Compensation Committee meetings. The Chief Executive Officer may not participate in, or be present during, any deliberations or determinations of the Compensation Committee regarding his compensation. The charter of the Compensation Committee grants the Compensation Committee full access to all of our books, records, facilities and personnel, as well as authority to obtain, at our expense, advice and assistance from internal and external legal, accounting or other advisors and consultants and other external resources that the Compensation Committee considers necessary or appropriate in the performance of its duties. In particular, the Compensation Committee has the sole authority to retain compensation consultants to assist in its evaluation of executive and director compensation, including the authority to approve the consultant's reasonable fees and other retention terms.

During the past fiscal year, the Compensation Committee did not engage any outside consultant as a compensation consultant.

Historically, the Compensation Committee has made most of the significant adjustments to annual compensation, determined bonus and equity awards and established new performance objectives at one or more meetings held during the year. However, the Compensation Committee also considers matters related to individual compensation, such as compensation for new executive hires, as well as high-level strategic issues, such as the efficacy of our compensation strategy, potential modifications to that strategy and new trends, plans or approaches to compensation, at various meetings throughout the year. Generally, the Compensation Committee's process comprises two related elements: the determination of compensation levels and the establishment of performance objectives for the current year. For executives other than the Chief Executive Officer, the Compensation Committee solicits and considers evaluations and recommendations submitted to the Committee by the Chief Executive Officer. In the case of the Chief Executive Officer, the evaluation of his performance is conducted by the Compensation Committee, which determines any adjustments to his compensation as well as awards to be granted. For all executives and directors as part of its deliberations, the Compensation Committee may review and consider, as appropriate, materials such as financial reports and projections, operational data, tax and accounting information, tally sheets that set forth the total compensation that may become payable to executives in various hypothetical scenarios, executive and director stock ownership information, company stock performance data, analyses of historical executive compensation levels and current Company-wide compensation levels, and analysis of executive and director compensation paid at other companies.

Nominating and Corporate Governance Committee

Number of Members:

Three

Members:

Mr. Kobayashi (Chairman)
Mr. Ishizaka
Mr. Shigeta

Numbers of Meetings:

Two

Functions:

The Nominating and Corporate Governance Committee is responsible for making recommendations to the Board regarding candidates for directorships and the size and composition of the Board. The Nominating and Corporate Governance Committee also oversees our corporate governance guidelines and reporting and makes recommendations to the Board concerning corporate governance matters.

CERTAIN RELATIONSHIPS AND RELATED PARTY TRANSACTIONS

Our Audit Committee is charged with the responsibility of reviewing certain issues involving potential conflicts of interest, and reviewing and approving all related party transactions, including those required to be

disclosed as a “related party” transaction under applicable federal securities laws. Our Audit Committee has not adopted any specific procedures for conducting such reviews and considers each transaction in light of the specific facts and circumstances presented

We have entered into indemnification agreements with each of our executive officers and directors. In addition, our executive officers and directors are indemnified under the General Corporation Law of the State of Delaware and our Bylaws to the fullest extent permitted under Delaware law. We also have a directors’ and officers’ liability insurance policy that insures our directors and officers against the cost of defense, settlement or payment of a judgment under certain circumstances.

In October 2011, we entered into a services agreement with Kissei Pharmaceutical Co., Ltd., or Kissei, to perform research and development services relating to our product candidate MN-221 in exchange for a non-refundable upfront payment of \$2.5 million. Under the terms of the agreement, we are responsible for all costs to be incurred in the performance of these services. Certain of these research and development services were completed in 2013 and 2012, and the remaining services are expected to be delivered and completed after 2014. Revenue is being recognized as the research and development services are performed. We recorded revenue for 2014 and 2013 of zero and \$3,000, respectively.

Also in October 2011, we sold to Kissei (i) an aggregate of 800,000 shares of our Common Stock at a price of \$2.50 per share and (ii) 220,000 shares of our Series B Convertible Preferred Stock at a price of \$25.00 per share for aggregate gross proceeds of \$7.5 million. The purchase agreement contains a standstill agreement from Kissei that terminates if Kissei beneficially owns less than three percent of our outstanding voting stock. Each share of the Series B Preferred Stock is convertible into 10 shares of Common Stock. The Series B Convertible Preferred Stock ranks *pari passu* (on an as-if-converted-to-common-stock basis) with the Common Stock in liquidation and dividend rights. The holders of the Series B Preferred do not have voting rights, however, the consent of holders of a majority of the outstanding Series B Preferred is required for certain actions. Kissei currently owns 11.2% of our Common Stock on an as-converted basis. Kousuke Nakata serves on our Board of Directors as a representative of Kissei.

PROPOSAL TWO:

RATIFICATION OF APPOINTMENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Audit Committee selected Ernst & Young LLP, or EY, as our independent registered public accounting firm for the fiscal year ending December 31, 2015. A representative of EY is expected to be present at the Annual Meeting, will have the opportunity to make a statement if the representative desires but is not expected to do so, and is expected to be available to respond to appropriate questions. Although stockholder ratification of our independent registered public accounting firm is not required by the Bylaws or otherwise, we are submitting the selection of EY to our stockholders for ratification to permit stockholders to participate in this important corporate decision.

Principal Accountant Fees

The following table presents fees paid by us for professional audit services rendered by E&Y for the fiscal years ended December 31, 2014 and 2013, as applicable.

	Fiscal Year Ended December 31,	
	2014	2013
Audit Fees (1)	\$518,382	\$563,884
Tax Fees (2)	—	—
Other Fees (3)	—	—
Total	<u>\$518,382</u>	<u>\$563,884</u>

- (1) Audit fees consisted of fees paid for professional services for the audit of our financial statements and services normally provided by independent registered public accounting firms in connection with statutory and regulatory filings or engagements including a report on internal controls.
- (2) E&Y did not render professional services for federal, state or international tax compliance.
- (3) E&Y did not render any non-audit related professional services.

Pre-Approval Policy and Procedures

It is our policy that all audit and non-audit services to be performed by our independent registered public accounting firm be approved in advance by the Audit Committee. The Audit Committee will not approve the engagement of our independent registered public accounting firm to perform any service that such firm would be prohibited from providing under the rules and regulations of the SEC and the applicable NASDAQ Marketplace Rules. In assessing whether to approve use of our independent registered public accounting firm for permitted non-audit services, the Audit Committee tries to minimize relationships that could impair the objectivity of such firm. The Audit Committee will approve permitted non-audit services by our independent registered public accounting firm only when it will be more effective or economical to have such services provided by such firm and where the nature of the services will not impair such firm's independence. During the fiscal years ended December 31, 2014 and 2013, all audit services performed by our independent registered public accounting firm were approved in advance by the Audit Committee or the Board, and there were no non-audit services.

Required Vote

Ratification will require the affirmative vote of a majority of the shares present and voting at the Annual Meeting in person or by proxy. In the event ratification is not obtained, the Audit Committee will review its future selection of our independent registered public accounting firm but will not be required to select a different independent registered public accounting firm for us. Even if the selection is ratified, the Board at its discretion

may direct the appointment of a different independent account firm at any time during the subsequent year if the Board determines that such a change would be in the best interests of MediciNova and our stockholders.

The Board recommends a vote “FOR” ratification of appointment of Ernst & Young LLP as our independent registered public accounting firm.

EXECUTIVE OFFICERS

The following table sets forth certain information, as of the date of this Proxy Statement, regarding each of our executive officers.

<u>Name</u>	<u>Position</u>	<u>Age</u>	<u>Principal Business Experience</u>
Yuichi Iwaki, M.D., Ph.D.	President and Chief Executive Officer	65	<p><i>Yuichi Iwaki, M.D., Ph.D.</i> is a founder and served as the Chairman of the Board of Directors from our inception in September 2000 to March 2007, becoming Executive Chairman in July 2005, Acting Chief Executive Officer as of September 2005 and President and Chief Executive Officer as of March 2006. He served as Acting Chief Financial Officer from November 2013 to April 2014. From September 2001 until January 2007, Dr. Iwaki also served as our consultant in connection with financing transactions and business development activities. Dr. Iwaki was a member of the Board of Avigen, Inc. from 1994 to 2008. He holds three professorships at the University of Southern California School of Medicine in the Departments of Urology, Surgery and Pathology and has been Director of the Transplantation Immunology and Immunogenetic Laboratory since 1992. Dr. Iwaki is also a visiting professor at the Nihon University School of Medicine and Kyushu University. Prior to joining the faculty at the University of Southern California School of Medicine, Dr. Iwaki held professorships at the University of Pittsburgh School of Medicine in the Departments of Surgery and Pathology from 1989 through 1991. Dr. Iwaki received both his M.D. and Ph.D. degrees from Sapporo Medical School in Sapporo, Japan. Dr. Iwaki is the author of more than 200 peer-reviewed publications and more than 40 book chapters. Dr. Iwaki has been advising pharmaceutical companies and venture capital funds regarding research and investment strategies for over 25 years and serves on the board of directors of several biotechnology companies. Based on his medical background, relationships with leading Japanese biotechnology companies and extensive experiences as a professor and as an advisor to pharmaceutical companies, the Board believes Dr. Iwaki has the appropriate set of skills to serve as a member of our Board.</p>
Masatsune Okajima	Vice President and Head of Japanese Office	47	<p><i>Masatsune Okajima</i> was appointed as our Vice President and Head of Japanese Office in September 2006. Prior to joining us, he served as Deputy General Manager at Daiwa Securities SMBC Co., Ltd. since 2002. From 1999 through 2002, Mr. Okajima served as Manager, Daiwa Securities SB Capital Markets Co., Ltd. (now Daiwa Securities SMBC Co., Ltd.). From 1996 to 1999, Mr. Okajima served as Manager, Sumitomo Capital Securities Co., Ltd. and between 1991 and 1996 Mr. Okajima served in various positions at Sumitomo</p>

Bank, Ltd. (now Mitsui Sumitomo Bank). Mr. Okajima received a B.S. degree from the Department of Science and Technology, Tokyo Science University.

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|-------------------------------------|-------------------------|----|--|
| Kazuko Matsuda, M.D.,
Ph.D., MPH | Chief Medical Officer | 48 | <p><i>Kazuko Matsuda</i> was appointed as our Chief Medical Officer on September 1, 2011. Dr. Matsuda served as our Vice President of Clinical Development from April 2010 to September 2011. Dr. Matsuda has responsibility for all of our clinical development. From August 2008 to November 2009, Dr. Matsuda served as an assistant professor with the University of Southern California, Keck School of Medicine. From August 2005 to July 2008, Dr. Matsuda served as Clinical Fellow with the Children’s Hospital Los Angeles. Dr. Matsuda commenced her residency in internal medicine/pediatrics at Michigan State University and completed a pediatric residency at Loma Linda University. Dr. Matsuda is a board certified pediatrician in both the United States and Japan. Dr. Matsuda holds an M.D. and Ph.D. from Sapporo Medical University School of Medicine and an MPH from Harvard University, School of Public Health.</p> |
| Geoffrey O’Brien,
J.D./M.B.A. | Vice President | 46 | <p><i>Geoffrey O’Brien</i> was promoted to Vice President in October 2013, having previously served as our Senior Director, Business Development and Strategic Planning since 2012, and as Director, Business Development since 2009. Prior to joining us, Mr. O’Brien was an equity research analyst covering pharmaceutical and biotechnology companies at several investment banks including UBS Securities, Nomura Securities, and Punk Ziegel, working at the Vice President level from 2004 to 2008. He was also a healthcare investment banker at Donaldson, Lufkin & Jenrette/Credit Suisse First Boston. Prior to graduate school, he worked on the successful development of a biotechnology product at The Liposome Company. Mr. O’Brien received a B.S. in chemistry, <i>cum laude</i>, from the University of Delaware and completed his J.D. and M.B.A. simultaneously at Vanderbilt Law School and Owen Graduate School of Management at Vanderbilt University.</p> |
| Esther van den Boom,
CPA | Chief Financial Officer | 35 | <p><i>Esther van den Boom</i> was appointed as our Chief Financial Officer on April 8, 2014. Ms. van den Boom has been the owner of van den Boom & Associates, LLC, an accounting services firm that provides accounting and finance consulting services to public and private companies, since April 2013 and assists life sciences companies in many capacities including CFO. Prior to founding van den Boom & Associates, Ms. van den Boom spent 2004-2013 with Ernst & Young LLP as a Senior Manager in their audit practice where she assisted</p> |

public and private biotechnology companies. Ms. van den Boom received a B.A. in Economics from University of California, San Diego and a M.S. in Accountancy from San Diego State University and is a licensed CPA.

2014 SUMMARY COMPENSATION TABLE

The following table sets forth certain information concerning compensation earned by or paid to certain persons who we refer to as our “Named Executive Officers” for services provided for the fiscal year ended December 31, 2014. Our Named Executive Officers include persons who (i) served as our principal executive officer or acted in a similar capacity during 2014, (ii) were serving at fiscal year-end as our two most highly compensated executive officers, other than the principal executive officer, whose total compensation exceeded \$100,000, and (iii) if applicable, up to two additional individuals for whom disclosure would have been provided as a most highly compensated executive officer, but for the fact that the individual was not serving as an executive officer at fiscal year-end.

Name and Position	Year	Salary (\$)	Option Awards (\$)(1)	Non-Equity Incentive Plan Compensation (\$)(2)	All Other Compensation (\$)	Total (\$)
Yuichi Iwaki, M.D., Ph.D.	2014	\$504,758	—	\$ 252,379	\$ 11,961 (3)	\$ 769,098
<i>President and Chief and Executive Officer (6)</i>	2013	\$504,758	\$957,100	\$ 138,808	\$ 14,700 (3)	\$ 1,615,366
Kazuko Matsuda, M.D., Ph.D.	2014	\$293,550	\$270,898	\$ 102,743	\$ 15,600 (4)	\$ 682,791
<i>Chief Medical Officer</i>	2013	\$293,550	\$541,150	\$ 56,508	\$ 23,803 (4)	\$ 915,011
Masatsune Okajima	2014	\$293,550	\$ 33,862	\$ 102,743	\$ 17,518 (5)	\$ 447,673
<i>Vice President and Head of Japanese Office</i>	2013	\$293,550	\$541,150	\$ 56,508	\$ 18,437 (5)	\$ 909,645

- (1) Amounts in the Option Awards column reflect the grant date fair value as calculated in accordance with the Financial Accounting Standards Board’s Accounting Standards Codification Topic 718, or ASC 718. See Note 8, “Stock-based Compensation,” in the Notes to the Consolidated Financial Statements included in our Annual Report on Form 10-K for the fiscal year ended December 31, 2014 for the relevant assumptions used to determine the valuation of awards.
- (2) Represents performance-based cash incentive payments.
- (3) Includes 401(k) employer matching contributions (\$11,961 for 2014 and \$14,700 for 2013). Excludes long-term disability insurance and health insurance premiums, both of which are generally available to all employees on a non-discriminatory basis.
- (4) Includes 401(k) employer matching contributions (\$15,600 for 2014 and \$14,700 for 2013) and amounts paid in connection with Dr. Matsuda’s commuting expenses (grossed-up) from her primary residence to MediciNova’s corporate headquarters (\$0 for 2014 and \$9,103 for 2013). Excludes long-term disability insurance and health insurance premiums, both of which are generally available to all employees on a non-discriminatory basis.
- (5) Includes a Japanese benefits adjustment for long-term disability and life insurance as stipulated in Mr. Okajima’s employment agreement and as required by Japanese law with respect to pension and welfare premium costs.
- (6) Dr. Iwaki served as Acting Chief Financial Officer from November 2013 to April 8, 2014.

Employment and Severance Protection Agreements

Yuichi Iwaki, M.D., Ph.D. We entered into an employment agreement on April 1, 2007, as amended, with Yuichi Iwaki, M.D., Ph.D. pursuant to which he serves as our President and Chief Executive Officer. Pursuant to

the agreement, which automatically renews for 12-month periods, Dr. Iwaki is currently compensated at \$518,891 per year. In addition, Dr. Iwaki is entitled to the following: (i) periodic bonuses determined within the sole discretion of the Board but with reference to amounts paid to our other executives and/or employees, and (ii) grants of equity based compensation within the sole discretion of the Board. In addition, we provide Dr. Iwaki with our standard benefits and insurance coverage as is generally provided to our management. Either party may terminate the agreement at any time upon three months' notice. In the event that Dr. Iwaki is terminated at our election upon three months' written notice, then Dr. Iwaki is entitled to severance payments as are provided for by the employment policies we have in effect at that time; provided, however, that in lieu of the three months' notice, we may provide Dr. Iwaki with an amount equal to 75% of his annual base salary. Additionally, if Dr. Iwaki's employment is terminated for any reason, we have the option to engage Dr. Iwaki as a consultant on a quarterly basis. Compensation for each quarter of consulting services would be equal to 15% of Dr. Iwaki's annual base salary. The timing of any termination payments to Dr. Iwaki under the employment agreement is subject to the applicable requirements of Section 409A of the Code and the related Treasury Regulations.

Kazuko Matsuda, M.D., Ph.D. We do not have an employment agreement in place with Dr. Matsuda.

Masatsune Okajima. We entered into an employment agreement on September 1, 2006 with Masatsune Okajima pursuant to which he serves as our Vice President and Head of Japanese Office. Mr. Okajima is currently compensated at \$301,769 per year. Mr. Okajima is eligible to receive an annual discretionary performance-based bonus at the end of the year of up to 20% of his base salary. We also provide Mr. Okajima standard benefits and insurance coverage as is generally provided to our management. In addition, Mr. Okajima is entitled to a benefits adjustment of \$15,000, equally divided monthly. Mr. Okajima is responsible for obtaining coverage for workers' compensation insurance, unemployment, and pension and welfare under the Japanese system. We contribute 50% of the premium cost as required by Japanese law. Mr. Okajima employment may be terminated at any time for any reason, with or without cause. Under Japanese law, we must provide Mr. Okajima at least 30 days' prior dismissal notice or 30 days' pay in lieu thereof or a combination of such notice and pay requirements. In the event that Mr. Okajima is terminated by us without cause, Mr. Okajima will be entitled to receive six months of severance that will be cancelled upon Mr. Okajima's new employment after such termination.

Our Compensation Committee believes that our executive employment agreements are appropriately designed and reasonable in light of typical executive employment agreements, and that they reflect a reasonable cost structure.

Severance Protection Agreements

On July 8, 2014, our Board of Directors approved a new form of Severance Protection Agreement (the "Agreement") to be entered into with certain of our executive officers, including our three Named Executive Officers, to provide benefits in the event such executive's employment is terminated as a result of, or in connection with, a Change in Control (as defined below) of MediciNova. On or about July 9, 2014, we entered into an Agreement with each of the Named Executive Officers.

Pursuant to the Agreement, if the executive's employment is terminated within 12 months following a Change in Control (i) by MediciNova for "cause" or disability, (ii) by reason of the executive's death or (iii) by the executive other than for "good reason," the executive will be entitled to accrued compensation and, if such termination is other than by MediciNova for "cause," a pro rata bonus, payable in the form of a single lump sum cash payment within five days following termination of employment.

If the executive's employment is terminated by MediciNova or by the executive for any reason other than the reasons specified above within 30 days immediately preceding a Change in Control or 12 months following a Change in Control, or if, within the 30 days immediately preceding a Change in Control there is a material

adverse change in the executive's status, position or responsibilities and the executive is subsequently terminated within the 24 months following a Change in Control, then the executive will be entitled to accrued compensation and a pro rata bonus, payable in the form of a single lump sum cash payment five days following termination of employment. In addition, upon execution and delivery of a release and waiver of claims, (a) the executive will be entitled to a cash payment equal to two times the sum of such executive's "base salary amount" and "bonus amount," plus the estimated premium costs of continued life insurance and disability benefits over an 18-month period, payable in a single lump sum cash payment on the 60th day following such termination of employment, and (b) we will pay the cost of medical, dental and vision continuation coverage under COBRA for the executive and any eligible dependents covered under our health care plans for an 18-month period following termination of employment. We will also provide the executive with reasonable outplacement services for the earlier of 12 months or until the executive accepts another offer of employment. In addition, vesting with respect to any unvested equity-based compensation awards will accelerate and the executive will vest in full.

As used in the Agreement, a Change in Control generally means (i) an acquisition of 40% or more of our outstanding voting securities, (ii) a change in a majority of the members of our Board of Directors in office as of January 1, 2014, (iii) a merger, substantial asset sale or similar transaction resulting in current stockholders owning 50% or less of the common stock and voting securities of MediciNova or entity resulting from such transaction or (iv) approval by our stockholders of a complete liquidation or dissolution.

Any payments or benefits we provide to the executive pursuant to the Agreement will be made in compliance with Internal Revenue Code Section 409A. If an excise tax would be imposed under the Internal Revenue Code on the payments or benefits payable to the executive pursuant to the Agreement, such payments or benefits will be reduced to the extent necessary to avoid payment of excise tax.

The original term of each Agreement was through December 31, 2014, and each Agreement automatically renews for additional one-year periods unless either party provides written notice of non-renewal by October 1 of such year.

2014 OUTSTANDING EQUITY AWARDS AT FISCAL YEAR-END

The following table discloses outstanding equity awards classified as exercisable and unexercisable as of December 31, 2014 for each of our NEOs.

Name	Option Awards			
	Number of Securities Underlying Unexercised Options (#)	Number of Securities Underlying Unexercised Options (#)	Option Exercise Price (\$/Sh.)	Option Expiration Date
	Exercisable	Unexercisable		
Yuichi Iwaki, M.D., Ph.D.	40,000	—	\$ 11.60	1/3/2016
<i>President and Chief Executive Officer</i>	1,000	—	\$ 13.36	5/10/2016
	20,000	—	\$ 11.48	7/8/2016
	333,503	—	\$ 9.73	11/11/2016
	130,000	—	\$ 4.42	1/6/2018
	97,500	—	\$ 2.20	1/29/2019
	58,600	—	\$ 7.34	1/28/2020
	85,413	14,587 (2)	\$ 2.54	07/12/2021
	86,250	—	\$ 2.46	08/02/2021
	145,000	—	\$ 4.10	05/12/2023
	24,740	37,760 (2)	\$ 4.10	05/12/2023
	200,000(1)	—	\$ 2.64	12/11/2023

Kazuko Matsuda <i>Chief Medical Officer</i>	8,000	—	\$11.48	7/8/2016
	37,000	—	\$ 4.80	7/6/2019
	11,900	—	\$ 7.34	1/28/2020
	20,000	—	\$ 5.13	6/13/2020
	64,062	10,938 (2)	\$ 2.54	07/12/2021
	56,250	—	\$ 2.46	08/02/2021
	48,750	11,250 (2)	\$ 2.30	08/31/2021
	80,000	—	\$ 4.10	05/12/2023
	16,823	25,677 (2)	\$ 4.10	05/12/2023
	105,000(1)	—	\$ 2.64	12/11/2023
—	120,000 (3)	\$ 3.24	12/03/2024	
Masatsune Okajima <i>Vice President and Head of Japanese Office</i>	10,000	—	\$11.26	07/31/2016
	15,000	—	\$22.60	8/31/2016
	25,000	—	\$34.12	8/31/2016
	125,064	—	\$ 9.73	11/11/2016
	48,000	—	\$ 4.42	1/6/2018
	41,250	—	\$ 2.20	1/29/2019
	35,700	—	\$ 7.34	1/28/2020
	72,604	12,396 (2)	\$ 2.54	07/12/2021
	63,750	—	\$ 2.46	08/02/2021
	80,000	—	\$ 4.10	05/12/2023
	16,823	25,677 (2)	\$ 4.10	05/12/2023
	105,000(1)	—	\$ 2.64	12/11/2023
	—	15,000 (3)	\$ 3.24	12/03/2024

- (1) In December 2014, the Compensation Committee approved vesting of these performance-based stock options, after having determined that the related performance goals set for the period of December 12, 2013 to December 31, 2014 had been met.
- (2) These grants vest in equal monthly installments over four years from the vesting commencement date, which was the date of grant.
- (3) These grants vest in equal monthly installments over three years from the vesting commencement date, which was the date of grant.

2014 DIRECTOR COMPENSATION

We compensate non-employee directors, other than Dr. Himawan and Mr. Nakata, for their service on the Board. Each non-employee director other than Dr. Himawan and Mr. Nakata is eligible to receive an annual cash compensation of \$40,000, payable in equal quarterly installments in arrears. Mr. Ishizaka has elected a reduced amount of \$10,000.

We pay the Chairman of the Audit Committee additional annual cash compensation of \$20,000, and we pay the Chairmen of the Compensation Committee and the Nominating and Corporate Governance Committee additional annual cash compensation of \$10,000. In addition, we reimburse our directors for reasonable expenses incurred in connection with attendance at Board and committee meetings.

A non-employee director is typically granted, upon initial appointment to the Board, a fully vested nonstatutory options to purchase 15,000 shares of our Common Stock. The Compensation Committee reviews and determines on a discretionary basis whether stock options will be granted to our non-employee directors on an annual basis, in conjunction with its annual review of executive compensation. Stock options granted to non-employee directors have a per share exercise price equal to 100% of the fair market value of the underlying shares on the date of grant.

The following table sets forth compensation information with respect to all of our non-employee directors who served during any part of the fiscal year ended December 31, 2014.

<u>Name</u>	<u>Fees Earned or Paid in Cash (\$)</u>	<u>Option Awards (\$)(1)(2)</u>	<u>Total (\$)</u>
Jeff Himawan, Ph.D. (3)	\$ —	\$ —	\$ —
Yutaka Kobayashi	\$ —	\$ —	\$ —
Yoshio Ishizaka (4)	\$ 7,500	\$ 20,070	\$27,570
Kousuke Nakata (3)	\$ —	\$ —	\$ —
David O'Toole(5)	\$ 30,000	\$ —	\$30,000
Hiroaki Shigeta	\$ 50,000	\$ —	\$50,000

- (1) Amounts in the Option Awards column reflect the grant date fair value as calculated in accordance with ASC Topic 718. Refer to Note 8, "Stock-based Compensation," in the Notes to Consolidated Financial Statements included in our Annual Report on Form 10-K for the fiscal year ended December 31, 2014 for the relevant assumptions used to determine the valuation of awards.
- (2) The aggregate number of shares underlying outstanding option awards as of December 31, 2014 was: Mr. Himawan, 40,000 shares; Mr. Kobayashi, 15,000 shares; Mr. Nakata, 0 shares; Mr. O'Toole, 0 shares; Mr. Ishizaka, 15,000 shares; and Mr. Shigeta, 2,000 shares.
- (3) Dr. Himawan and Mr. Nakata do not receive cash compensation or stock option awards for serving on the Board.
- (4) Mr. Ishizaka joined the Board in April 2014. He received an option to purchase 15,000 shares of Common Stock upon being appointed to the Board. He has elected to receive a reduced amount of \$10,000, payable in equal installments in arrears.
- (5) Mr. O'Toole resigned from the Board on June 16, 2014.

SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table sets forth certain information as of April 17, 2015 as to shares of Common Stock beneficially owned by: (i) each person who is known by us to own beneficially more than 5% of the Common Stock; (ii) each of our directors and nominees; (iii) each of our Named Executive Officers named under the “Summary Compensation Table”; and (iv) all of our current directors and executive officers as a group. The percentage of Common Stock beneficially owned is based on 24,702,921 shares outstanding as of April 17, 2015. In addition, shares of Common Stock issuable pursuant to Series B Convertible Preferred Stock and to stock options and warrants which may be exercised within 60 days of April 17, 2015 are deemed to be issued and outstanding and have been treated as outstanding in calculating the percentage ownership of those individuals possessing such interest, as applicable, but they are not treated as outstanding in calculating the percentage ownership for any individual other than the holder thereof.

<u>Name and Address of Beneficial Owner (1)</u>	<u>Number of Shares of Common Stock Beneficially Owned</u>	<u>Percentage of Common Stock Beneficially Owned</u>
5% Stockholders:		
Kissei Pharmaceutical Co., Ltd. (2)	3,000,000	11.2%
Samurai Investments San Diego LLC (3)	2,217,000	9.0%
Essex Woodland Health Ventures Fund VI, L.P. (4)	1,210,370	4.9%
Directors and Executive Officers:		
Kousuke Nakata (2)	3,000,000	11.2%
Yuichi Iwaki, M.D., Ph.D. (5)	2,031,099	7.8%
Jeff Himawan, Ph.D. (4)	1,210,370	4.9%
Hiroaki Shigeta (6)	47,000	*
Yutaka Kobayashi (7)	75,000	*
Yoshio Ishizaka (8)	25,000	*
Masatsune Okajima (9)	696,737	2.7%
Kazuko Matsuda (10)	557,736	2.2%
All directors and executive officers as a group (10 persons) (11)	7,970,517	26.8%

* Amount represents less than 1% of the outstanding shares of our Common Stock.

- (1) Unless otherwise noted, the address of each beneficial owner listed in the table is c/o MediciNova, Inc., 4275 Executive Square, Suite 650, La Jolla, California 92037. Except as indicated by footnote, and subject to community property laws where applicable, the beneficial owner has sole voting and investment power with respect to all shares of Common Stock shown as beneficially owned by them.
- (2) Based on a Schedule 13G/A filed with the SEC on October 13, 2011 by Kissei Pharmaceutical Co., Ltd., and includes 800,000 shares of Common Stock and 2,200,000 shares of Common Stock issuable upon conversion of 220,000 shares of Series B Convertible Preferred Stock held by Kissei. Director Kousuke Nakata serves as Director, Licensing and Clinical Development of Kissei America, Inc. and may be deemed the beneficial owner of the shares held by Kissei. Mr. Nakata disclaims beneficial ownership of such shares except to the extent of his pecuniary interest therein. The principal business address for Kissei Pharmaceutical Co., Ltd is 19-48, Yoshino, Matsumoto City, Nagano Prefecture 399-8710, Japan 81-263-25-9081.
- (3) Based on a Schedule 13G filed with the SEC on May 20, 2013 by Hajimi Satomi and Samurai Investments San Diego LLC, and includes (i)1,000,000 shares of Common Stock and 750,000 shares issuable upon the exercise of warrants which are held by Samurai Investments San Diego LLC and (ii) 467,000 shares of Common Stock held by Mr. Satomi. The principal business address for the stockholders is 501 W. Broadway, Suite 1100, San Diego, California 92101.
- (4) Based on a Schedule 13D filed with the SEC on February 13, 2006 and subsequent Form 4s filed by Dr. Himawan. Includes 1,170,370 shares of Common Stock owned by Essex Woodland Health Ventures Fund VI, L.P., and 40,000 shares issuable upon the exercise of stock options. Director Jeff Himawan serves as Managing Director of Essex. We have been advised by Essex Woodlands Health Ventures,

general partner of Essex Woodlands Health Ventures Fund VI, L.P., that up to five persons who are partners of Essex Woodlands Health Ventures have voting and investment power over shares held by Essex Woodlands Health Ventures Fund VI, L.P. At least a majority of those voting is required for an investment decision, and in practice the decisions are almost always made pursuant to a unanimous vote. Dr. Himawan has named Essex Woodlands Health Ventures as the designee to receive any stock options Dr. Himawan receives in his capacity as director. Dr. Himawan disclaims beneficial ownership of such shares except to the extent of his pecuniary interest therein. The principal business address for Essex Woodlands Health Ventures Fund VI, L.P. is 335 Bryant Street, 3rd Floor, Palo Alto, California 94301.

- (5) Includes 738,778 shares of Common Stock held by Dr. Iwaki, 50,000 shares issuable upon the exercise of warrants and 1,242,321 shares issuable upon the exercise of stock options.
- (6) Includes 45,000 shares of Common Stock held Mr. Shigeta and 2,000 shares issuable upon the exercise of stock options.
- (7) Includes 60,000 shares of Common Stock held by Mr. Kobayashi 15,000 shares of Common Stock issuable upon the exercise of stock options.
- (8) Includes 10,000 shares of Common Stock held by Mr. Ishizaka and 15,000 shares of Common Stock issuable upon the exercise of stock options.
- (9) Includes 40,105 shares of Common Stock held by Mr. Okajima and 656,632 shares issuable upon the exercise of stock options.
- (10) Includes 58,570 shares of Common Stock held by Dr. Matsuda, 9,200 shares issuable upon the exercise of warrants and 489,966 shares issuable upon the exercise of stock options.
- (11) Includes 2,927,823 shares of Common Stock, 2,200,000 shares issuable upon conversion of 220,000 outstanding shares of Series B Convertible Preferred Stock, 64,200 shares issuable upon the exercise of warrants and 2,778,494 shares issuable upon the exercise of stock options.

REPORT OF THE AUDIT COMMITTEE OF THE BOARD

The material in this report is not “soliciting material,” is not deemed “filed” with the Securities and Exchange Commission, and is not to be incorporated by reference into any filing of MediciNova under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended.

The Audit Committee operates under a written charter adopted by the Board of Directors (the “Board”) on September 28, 2004. A copy of the Audit Committee Charter is available on our web site at www.medicinova.com. The members of the Audit Committee are Yoshio Ishizaka (Chairman), Jeff Himawan, Yutaka Kobayashi and Hiroaki Shigeta, each of whom meets the independence standards of the NASDAQ Marketplace Rules and the rules and regulations of the SEC.

The Audit Committee oversees our financial reporting process on behalf of the Board and is responsible for providing independent, objective oversight of our accounting, auditing, financial reporting, internal control and legal compliance functions. It is not the duty of the Audit Committee to plan or conduct audits or to determine that our financial statements are complete and accurate and are in accordance with generally accepted accounting principles. Management is responsible for our financial statements and the reporting process, including the system of internal controls. The independent registered public accounting firm is responsible in its report for expressing an opinion on the conformity of those financial statements with generally accepted accounting principles.

The Audit Committee has reviewed and discussed our audited financial statements contained in the Annual Report on Form 10-K for the year ended December 31, 2014 with our management and its independent registered public accounting firm. The Audit Committee met privately with the independent registered public accounting firm and discussed issues deemed significant by such firm, including those matters required by PCAOB Auditing Standards No. 61, Communication with Audit Committees. In addition, the Audit Committee has received the written disclosures from our independent registered public accounting firm required by PCAOB Rule 3526 (formerly Independence Standards Board Standard No. 1) and discussed with such firm its independence from us. E&Y advised the Audit Committee that E&Y was and continues to be independent accountants with respect to the Company.

Based on the reviews and discussions outlined above, the Audit Committee recommended to the Board that the audited financial statements be included in our Annual Report on Form 10-K for the year ended December 31, 2014 for filing with the Securities and Exchange Commission.

Audit Committee

Yoshio Ishizaka (Chairman)
Jeff Himawan
Yutaka Kobayashi
Hiroaki Shigeta

OTHER MATTERS

We know of no other business that will be presented at the Annual Meeting. If any other business is properly brought before the Annual Meeting, it is intended that proxies in the enclosed form will be voted in accordance with the judgment of the persons voting the proxies.

SECTION 16(A) BENEFICIAL OWNERSHIP REPORTING COMPLIANCE

Under Section 16(a) of the Exchange Act, our directors, executive officers and beneficial holders of more than 10% of our Common Stock are required to report their initial ownership of the Common Stock and any subsequent change in that ownership to the SEC. Specific due dates for these reports have been established, and we are required to identify those persons who failed to timely file these reports. To our knowledge, based solely on a review of such reports furnished to us and written representations that no other reports were required during the fiscal year ended December 31, 2014, all Section 16(a) filing requirements applicable to our officers, directors and 10% stockholders were satisfied.

STOCKHOLDER PROPOSALS FOR THE 2016 ANNUAL MEETING

Any of our stockholders may propose business to be brought before our 2016 Annual Meeting of Stockholders. Proposals that are intended to be presented by such stockholders at our 2016 Annual Meeting of Stockholders must be received by our Secretary no later than December 31, 2015 (120 days before the anniversary of the date on which we first mailed our proxy materials for the Annual Meeting) in order that they may be included in our proxy statement and form of proxy relating to such meeting.

A stockholder proposal not included in our proxy statement for the 2016 Annual Meeting of Stockholders will be ineligible for presentation at the meeting unless the stockholder gives timely notice of the proposal in writing to our Secretary at our principal executive officers and otherwise complies with the provisions of our Bylaws. To be timely, the Bylaws provide that we must have received the stockholder's notice not less than 90 days or more than 120 days in advance of the anniversary of the date this Proxy Statement was released to stockholders in connection with the Annual Meeting. If the stockholder fails to give notice by January 30, 2016, then the persons who are appointed as proxies may exercise their discretionary voting authority with respect to such proposals, even if the stockholders have not been advised of the proposal. If the date of the 2016 Annual Meeting of Stockholders is changed by more than 30 days from the date contemplated at the time of this Proxy Statement, we must receive the stockholder's notice not later than the close of business on the later of (i) the 90th day prior to such annual meeting and (ii) the seventh day following the day on which public announcement of the date of such meeting is first made.

HOUSEHOLDING OF PROXY MATERIALS

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

A number of brokers with account holders who are our stockholders will be "householding" our proxy materials. A single Proxy Statement will be delivered to multiple stockholders sharing an address unless contrary instructions have been received from the affected stockholders. Once you have received notice from your 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 Proxy Statement and annual report, please notify your

broker, and direct a written request to us at MediciNova, Inc., 4275 Executive Square, Suite 650, La Jolla, California 92037, or contact us via telephone at (858) 373-1500. We will provide a separate copy of this Proxy Statement and the annual report to any stockholder at a shared address to which a single copy was delivered. Stockholders who currently receive multiple copies of the Proxy Statement and/or annual report at their address and would like to request "householding" of their communications should contact their broker.

ANNUAL REPORT

A copy of our Annual Report on Form 10-K for the fiscal year ended December 31, 2014 has been mailed with this Proxy Statement to our stockholders.

Any person who was a beneficial owner of our Common Stock on the record date may request a copy of our Annual Report on Form 10-K for the fiscal year ended December 31, 2014, including financial statements, but not including exhibits, and it will be furnished without charge upon receipt of a written request. Any such request should be addressed to us at MediciNova, Inc., 4275 Executive Square, Suite 650, La Jolla, California 92037, Attention: Investor Relations. The request must include a representation by the stockholder that, as of April 17, 2015, the stockholder was entitled to vote at the Annual Meeting. Our Annual Report on Form 10-K for the fiscal year ended December 31, 2014 is on file with the SEC and may be accessed electronically at the SEC's website at www.sec.gov or at the Investor Relations-SEC Filings section of our website at www.medicinova.com.

Whether or not you intend to be present at the Annual Meeting, we urge you to return your signed proxy promptly.



By Order of the Board of Directors

Yuichi Iwaki, M.D., Ph.D.

President, Chief Executive Officer and Director

April 29, 2015

MEDICINOVA, INC.

Annual Meeting of Stockholders, Thursday, June 11, 2015

This Proxy is Solicited on Behalf of the Board of Directors of MEDICINOVA, INC.

The undersigned revokes all previous proxies, acknowledges receipt of the Notice of Annual Meeting of Stockholders to be held on Thursday, June 11, 2015 and the Proxy Statement and appoints each of Yuichi Iwaki, M.D., Ph.D. and Geoffrey O'Brien, jointly and severally, as proxies for the undersigned, with full power of substitution, to vote all shares of Common Stock of MEDICINOVA, INC. which the undersigned is entitled to vote, either on his or her own behalf or on behalf of any entity or entities, at the 2015 Annual Meeting of Stockholders to be held at 4225 Executive Square, Suite 495, La Jolla California 92037 on Thursday, June 11, 2015, at 3:30 p.m. Pacific Daylight Time and at any adjournment or postponement thereof, with the same force and effect as the undersigned might or could do if personally present thereat. The shares represented by this Proxy shall be voted in the manner set forth herein. If no direction is provided, this Proxy will be voted as recommended by the Board of Directors. The proxy holders are also authorized to vote upon all other matters as may properly come before the Annual Meeting, or any adjournment thereof, utilizing their own discretion as set forth in the Notice of Annual Meeting and Proxy Statement. The undersigned stockholder may revoke this proxy at any time before it is voted by delivering to the Secretary of MediciNova either a written revocation of the Proxy or a duly executed Proxy bearing a later date, or by appearing at the Annual Meeting and voting in person. MediciNova cannot assure that your shares will be voted unless you sign, date and return this Proxy so that it is received by June 10, 2015.

CONTINUED AND TO BE SIGNED ON REVERSE SIDE

ANNUAL MEETING OF STOCKHOLDERS OF

MEDICINOVA, INC.

June 11, 2015

GO GREEN

e-Consent makes it easy to go paperless. With e-Consent, you can quickly access your proxy material, statements and other eligible documents online, while reducing costs, clutter and paper waste. Enroll today via www.amstock.com to enjoy online access.

NOTICE OF INTERNET AVAILABILITY OF PROXY MATERIAL:

The proxy statement and 2014 Annual Report on Form 10-K are available at https://materials.proxyvote.com/58468P

Please mark, sign, date and mail your proxy card in the envelope provided as soon as possible.

Please detach along perforated line and mail in the envelope provided.

THE BOARD OF DIRECTORS RECOMMENDS THAT YOU VOTE "FOR" THE ELECTION OF DIRECTORS AND "FOR" PROPOSAL 2.

PLEASE MARK, SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED ENVELOPE. PLEASE MARK YOUR VOTE IN BLUE OR BLACK INK AS SHOWN HERE [X]

1. Election of Directors

NOMINEE:

- FOR THE NOMINEE [] Yuichi Iwaki, M.D., Ph.D.
WITHHOLD AUTHORITY FOR THE NOMINEE []
FOR ALL EXCEPT (See instructions below) []

INSTRUCTIONS: To withhold authority to vote for any individual nominee(s), mark "FOR ALL EXCEPT" and fill in the circle next to each nominee you wish to withhold, as shown here: —

- To ratify the selection of Ernst & Young LLP as the independent registered public accounting firm for the fiscal year ending December 31, 2015. FOR [] AGAINST [] ABSTAIN []

This Proxy, when properly executed, will be voted as directed herein by the undersigned stockholder. If no direction is made, this proxy will be voted "FOR" all nominees in proposal 1 and "FOR" Proposal 2. In their discretion, the proxies are authorized to vote upon such other business as may properly come before the Annual Meeting and at any adjournment or postponement thereof.

[]

To change the address on your account, please check the box at the right and indicate your new address in the address space above. Please note that changes to the registered name(s) on the account may not be submitted via this method.

Signature of Stockholder Date Signature of Stockholder Date

Note: Please sign exactly as your names appear on this Proxy. When shares are held jointly, each holder should sign. When signing as executor, administrator, attorney, trustee or guardian, please give full title as such. If the signer is a corporation, please sign full corporate name by duly authorized officer, giving full title as such. If signer is a partnership, please sign in partnership name by authorized person.