# UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

### **SCHEDULE 14A**

(Rule 14a-101) SCHEDULE 14A INFORMATION

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

(Amendment No. )

Filed by the Registrant x

Filed by a Party other than the Registrant o

Check the appropriate box:

- o Preliminary Proxy Statement.
- " Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2)).
- x Definitive Proxy Statement.
- " Definitive Additional Materials.
- " Soliciting Material Pursuant to §240.14a-12.

Pluristem Therapeutics 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):

- x No fee required.
- Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.
  - (1) Title of each class of securities to which transaction applies:
  - (2) Aggregate number of securities to which transaction applies:
- (3)Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):
  - (4) Proposed maximum aggregate value of transaction:
    - (5) Total fee paid:

••	Fee paid previously with preliminary materials.
"Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.	
(1)	Amount Previously Paid:
(2)	Form, Schedule or Registration Statement No.:
(3)	Filing Party:
(4)	Date Filed:

# PLURISTEM THERAPEUTICS INC.

### NOTICE OF ANNUAL MEETING OF STOCKHOLDERS

To Be Held On May 22, 2014

You are hereby notified that the annual meeting of stockholders of Pluristem Therapeutics Inc., or the Company, will be held on the 22nd day of May 2014 at 5:00 p.m., local time, at our offices, Matam Advanced Technology Park Building No. 5, Haifa, Israel, 31905, for the following purposes:

- 1. To elect eight directors to serve until the next annual meeting of stockholders and until their respective successors shall have been duly elected and qualified;
- 2. To approve an amendment to the Amended and Restated Articles of Incorporation of the Company to increase the number of authorized shares of Common Stock from 100,000,000 shares, par value \$0.00001 per share to 200,000,000 shares, par value \$0.00001 per share;
- 3. To ratify the selection of Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global, as independent registered public accounting firm of the Company for the fiscal year ending June 30, 2014; and
- 4. To consider and act upon such other business as may properly come before the meeting or any adjournment or postponement thereof.

All stockholders are cordially invited to attend the annual meeting. If your shares are registered in your name, please bring the admission ticket attached to your proxy card. If your shares are registered in the name of a broker, trust, bank or other nominee, you will need to bring a proxy or a letter from that broker, trust, bank or other nominee or your most recent brokerage account statement, that confirms that you are the beneficial owner of those shares. If you do not have either an admission ticket or proof that you own shares of the Company, you will not be admitted to the meeting.

The Board of Directors has fixed the close of business on March 26, 2014 as the record date for the meeting. Only stockholders on the record date are entitled to notice of and to vote at the meeting and at any adjournment or postponement thereof.

Your vote is important regardless of the number of shares you own. The Company requests that you complete, sign, date and return the enclosed proxy card without delay in the enclosed postage-paid return envelope, even if you now plan to attend the annual meeting. You may revoke your proxy at any time prior to its exercise by delivering written notice or another duly executed proxy bearing a later date to the Secretary of the Company, or by attending the annual meeting and voting in person.

### INTERNET AVAILABILITY OF PROXY MATERIALS

Securities and Exchange Commission rules allow us to furnish proxy materials to our stockholders over the internet. You can now access proxy materials and authorize a proxy to vote your shares at http://www.astproxyportal.com/ast/15665/. You may also authorize a proxy to vote your shares over the internet. In order to vote over the internet you must have your stockholder identification number, which is set forth in the Notice of Internet Availability of Proxy Materials mailed to you. You may also request a paper proxy card to submit your vote by mail.

By order of the Board of Directors,

Boaz Gur-Lavie, Chief Financial Officer and Secretary

March 31, 2014

IMPORTANT: In order to secure a quorum and to avoid the expense of additional proxy solicitation, please either vote by internet or sign, date and return your proxy promptly in the enclosed envelope even if you plan to attend the meeting personally. Your cooperation is greatly appreciated.

PLURISTEM THERAPEUTICS INC. Matam Advanced Technology Park Building No. 5 Haifa, Israel, 31905

PROXY STATEMENT

### INTRODUCTION

This proxy statement and the accompanying proxy are made available by Pluristem Therapeutics Inc., or the Company, to the holders of record of the Company's outstanding shares of Common Stock, \$0.00001 par value per share, or Common Stock, commencing on or about March 26, 2014. The accompanying proxy is being solicited by the Board of Directors of the Company, or the Board, for use at the annual meeting of stockholders of the Company, or the Meeting, to be held on the 22 day of May 2013 at 5:00 p.m. local time, at our offices, Matam Advanced Technology Park Building No. 5, Haifa, Israel, 31905 and at any adjournment or postponement thereof. The cost of solicitation of proxies will be borne by the Company. The Company may engage a broker or similar person to assist in the solicitation of proxies and provide related advice and informational support for a service fee, plus customary disbursements. Directors, officers and employees of the Company may also assist in the solicitation of proxies by mail, telephone, telefax, in person or otherwise, without additional compensation. Brokers, custodians and fiduciaries will be requested to forward proxy soliciting materials to the owners of stock held in their names and the Company will reimburse them for their reasonable out-of-pocket expenses incurred in connection with the distribution of such proxy materials.

The Board has fixed March 26, 2014 as the record date for the Meeting. Only stockholders of record on March 26, 2013, or the Record Date, are entitled to notice of and to vote at the Meeting or any adjournment or postponement thereof. On March 26, 2014, there were issued and outstanding 67,815,237 shares of Common Stock. Each share of Common Stock is entitled to one vote per share.

The Company's Bylaws provide that a quorum shall consist of the holders of at least thirty three and one third percent (33 1/3%) of the stock issued and outstanding and entitled to vote thereat, present in person or represented by proxy at the Meeting. If such quorum shall not be present or represented, the stockholders entitled to vote thereat, present in person or represented by proxy, shall have the power to adjourn the meeting, without notice other than announcement at the meeting, until a quorum shall be present or represented. Abstentions may be specified on all proposals. Abstentions will be counted as present for purposes of determining a quorum and will be counted as not approving the proposal in question. Submitted proxies which are left blank will also be counted as present for purposes of determining a quorum, but are not counted for purposes of determining whether a proposal has been approved in matters where the proxy does not confer the authority to vote on such proposal, and thus have no effect on its outcome.

The affirmative vote of the holders of a majority of the stock having voting power present in person or represented by proxy shall be sufficient for the election of each of the director nominees, and for the approval of any other business which may properly be brought before the Meeting or any adjournment or postponement thereof.

All shares of Common Stock represented in person or by valid proxies received by the Company prior to the date of, or at, the Meeting, and not revoked, will be voted as specified in the proxies or voting instructions. Votes that are left

blank will be voted as recommended by Board. With regard to other matters that may properly come before the Meeting, votes will be cast at the discretion of the proxies.

Broker non-votes occur 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 "non-routine." Generally, if shares are held in street name, the beneficial owner of the shares is entitled to give voting instructions to the broker or nominee holding the shares. If the beneficial owner does not provide voting instructions, the broker or nominee can still vote the shares with respect to matters that are considered to be "routine," but not with respect to "non-routine" matters. In the event that a broker, bank, or other agent indicates on a proxy that it does not have discretionary authority to vote certain shares on a non-routine proposal, then those shares will be treated as broker non-votes. All proposals, except for Proposal No. 3, are non-routine proposals; therefore, your broker, bank or other agent is not entitled to vote your shares on Proposals No. 1 and 2 without your instructions.

Any stockholder who has submitted a proxy may revoke it at any time before it is voted, by written notice addressed to and received by our Secretary, by submitting a duly executed proxy bearing a later date or by electing to vote in person at the Meeting. The mere presence at the Meeting of the person appointing a proxy does not, however, revoke the appointment.

### Notice of Internet Availability of Proxy Materials

In accordance with rules and regulations of the Securities and Exchange Commission, or the SEC, instead of mailing a printed copy of our proxy materials, which consist of this proxy statement, proxy card, notice of annual meeting, and our annual report to stockholders on Form 10-K for the fiscal year ended June 30, 2013, or Fiscal 2013, respectively, to each stockholder of record, we may furnish proxy materials via the internet. Accordingly, all of our stockholders of record as of the Record Date will receive a notice of internet availability of proxy materials. The notice of internet availability of proxy materials will be mailed on or about April 3, 2014.

On the date of mailing the Notice of Internet Availability of Proxy Materials, stockholders will be able to access all of the proxy materials on a website at http://www.astproxyportal.com/ast/15665/. The proxy materials will be available free of charge. The notice of internet availability of proxy materials will instruct you as to how you may access and review all of the important information contained in the proxy materials over the internet. The website contains instructions as to how to vote by internet. The Notice of Internet Availability of Proxy Materials also instructs you as to how you may request a paper or email copy of the proxy card. If you received a Notice of Internet Availability of Proxy Materials and would like to receive printed copies of the proxy materials, you should follow the instructions for requesting such materials included in the Notice of Internet Availability of Proxy Materials.

IMPORTANT: If your shares are held in the name of a brokerage firm, bank, nominee or other institution, you should provide instructions to your broker, bank, nominee or other institution on how to vote your shares. Please contact the person responsible for your account and give instructions for a proxy to be completed for your shares.

Our website address is included several times in this proxy statement as a textual reference only and the information in our website is not incorporated by reference into this proxy statement.

### PROPOSAL NO. 1 — ELECTION OF DIRECTORS

At the Meeting, eight directors are to be elected, which number shall constitute our entire Board, to hold office until the next annual meeting of stockholders and until their successors shall have been duly elected and qualified. Unless otherwise specified in the proxy, it is the intention of the persons named in the enclosed form of proxy to vote the stock represented thereby for the election as directors, each of the nominees whose names and biographies appear below. All of the nominees whose names and biographies appear below are presently our directors. In the event any of the nominees should become unavailable or unable to serve as a director, it is intended that votes will be cast for a substitute nominee designated by the Board. The Board has no reason to believe that the nominees named will be

unable to serve if elected. Each nominee has consented to being named in this proxy statement and to serve if elected.

Principal Employment and Experience of Director Nominees

The following information is furnished with respect to the persons nominated for election as directors. All of these nominees are current members of our Board:

Name Age Present Principal Employer and Prior Business Experience

Zami Aberman

60 Mr. Aberman joined the Company in September 2005 and served since then as Chief Executive Officer and until February 2014 as President of the Company. He changed the Company's strategy towards cellular therapeutics. Mr. Aberman's vision to use the maternal section of the Placenta (Decidua) as a source for cell therapy, combined with the Company's 3D culturing technology, led to the development of our products. Since November 2005, Mr. Aberman has served as a director of the Company, and since April 2006, as Chairman of the Board. He has 25 years of experience in marketing and management in the high technology industry. Mr. Aberman has held positions of Chief Executive Officer and Chairman positions in companies in Israel, the United States, Europe, Japan and Korea. Mr. Aberman operated within high-tech global companies in the fields of automatic optical inspection, network security, video over IP, software, chip design and robotics. He serves as the chairman of Rose Hitech Ltd., a private investment company. He has served in the past as the chairman of VLScom Ltd., a private company specializing in video compression for HDTV and video over IP and as a director of Ori Software Ltd., a company involved in data management. Prior to that, Mr. Aberman served as the President and CEO of Elbit Vision System Ltd. (EVSNF.OB), a company engaged in automatic optical inspection. Prior to his service with the Company, Mr. Aberman has served as President and CEO of Netect Ltd., specializing in the field of internet security software and was the Co-Founder, President and CEO of Associative Computing Ltd., which developed an associative parallel processor for real-time video processing. He has also served as Chairman of Display Inspection Systems Inc., specializing in laser based inspection machines and as President and CEO of Robomatix Technologies Ltd.

In 1992, Mr. Aberman was awarded the Rothschild Prize for excellence in his field from the President of the State of Israel. Mr. Aberman holds a B.Sc. in Mechanical Engineering from Ben Gurion University in Israel.

We believe that Mr. Aberman's qualifications to sit on our Board include his years of experience in the financial markets in Israel and globally, as well as his experience in serving as the CEO of publicly traded entities.

Israel Ben-Yoram\*

Mr. Ben-Yoram became a director of the Company in January 2005. He has been a director and partner in the accounting firm of Mor, Ben-Yoram and Partners in Israel since 1985. In addition, since 1992, Mr. Ben-Yoram has been a shareholder and has served as the head director of Mor, Ben-Yoram Ltd., a private company in Israel in parallel to the operation of Mor, Ben-Yoram and Partners. This company provides management services, economic consulting services and other professional services to businesses. Furthermore, Mr. Ben-Yoram is the CEO of Eshed Dash Ltd. and Zonbit Ltd. During 2003-2004 Mr. Ben-Yoram served as a director of Brainstorm Cell Therapeutics Inc. (BCLI) and Smart Energy solutions, Inc. (SMGY), both of which were traded on the NASDAQ.

Mr. Ben-Yoram received a B.A. in accounting from the University of Tel Aviv, an M.A. in Economics from the Hebrew University of Jerusalem, an LL.B. and an MBA from Tel Aviv University and an LL.M. from Bar Ilan University. In addition, Mr. Ben-Yoram is qualified in arbitration and in mediation.

We believe that Mr. Ben-Yoram's qualifications to sit on our Board include his years of experience in the high-tech industry, his experience serving as a director of NASDAQ companies, as well as his knowledge and familiarity with corporate finance and accounting.

Isaac Braun\*

Mr. Braun became a director of the Company in July, 2005. Mr. Braun is a business veteran with entrepreneurial, industrial and manufacturing experience. He is a co-founder and has been a board member of several hi-tech start-ups in the areas of e-commerce, security, messaging, search engines and biotechnology. Mr. Braun is involved with advising private companies on raising capital and business development.

We believe that Mr. Braun's qualifications to sit on our Board include his years of experience in the high-tech industry, as well as his knowledge and familiarity with corporate finance.

Mark Germain\*

63 Mr. Germain became a director of the Company in May 2007. Between May 2007 and February 2009, Mr. Germain served as Co-Chairman of our Board. For more than five years, Mr. Germain has been a merchant banker serving primarily the biotech and life sciences industries. He has been involved as a founder, director, chairman of the board of, and/or investor in, over twenty companies in the biotech field, and assisted many of them in arranging corporate partnerships, acquiring technology, entering into mergers and acquisitions, and executing financings and going public transactions. He graduated from New York University School of Law in 1975, Order of the Coif, and was a partner in a New York law firm practicing corporate and securities law before leaving in 1986. Since then, and until he entered the biotech field in 1991, he served in senior executive capacities, including as president of a public company, which was sold in 1991. In addition to being a Director of the Company, Mr. Germain is a director of ChromaDex, Inc. (CDXB.OB), a publicly traded company. Mr Germain also serves as a director of the following companies that were reporting companies in the past: Stem Cell Innovations, Inc., Omnimmune Corp. and Collexis Holdings, Inc. He is also a co-founder and director of a number of private companies in and outside the biotechnology field.

We believe that Mr. Germain's qualifications to sit on our Board include his years of experience in the biotech industry, his experience serving as a director of public companies, as well as his knowledge and familiarity with corporate finance.

Moria Kwiat

34 Dr. Kwiat became a director of the Company in May 2012. Dr. Kwiat holds a B.Sc and an M.Sc. in Biotechnology from the Department of Molecular Microbiology and Biotechnology at Tel Aviv University, and a Ph.D. in Nano-Biotechnology from the Department of Material and Nanoscience at the Faculty of Chemistry of Tel Aviv University. Dr. Kwiat holds a clinical research associate (CRA)+ GCP certification from 2014 for monitoring and coordinating clinical trials. Dr Kwiat served as a teaching assistant at Tel Aviv University from 2003 through 2012. Currently, Dr. Kwiat is a postdoc fellow at the Faculty of Chemistry of Tel Aviv University, working with various cell types such as cancer and neuron cells on nano material platforms.

We believe that Dr. Kwiat's qualifications to sit on our Board include her knowledge and experience as a scientist and a researcher in the fields of biotechnology, microbiology and nanotechnology.

### Hava Meretzki

45 Ms. Meretzki became a director of the Company in October, 2003. Ms. Meretzki is an attorney and is a partner in Meretzki law firm in Haifa, Israel. Ms. Meretzki specializes in civil, trade and labor law, and is presently the Chairman of the National Council of the Israel Bar Association. Ms. Meretzki received a Bachelors Degree in Law from the Hebrew University in 1991 and was admitted to the Israel Bar Association in 1993.

We believe that Ms. Meretzki's qualifications to sit on our Board include her years of experience with legal and corporate governance matters.

### Nachum Rosman\*

Mr. Rosman became a director of the Company in October 2007. He provides management and consulting services to startup companies in the financial, organizational and human resource aspects of their operations. Mr. Rosman also serves as a director at several privately held companies. Throughout his career, Mr. Rosman held Chief Executive Officer and Chief Financial Officer positions in Israel, the United States and England. In these positions he was responsible, among other things, for finance management, fund raising, acquisitions and technology sales.

Mr. Rosman holds a B.Sc. in Management Engineering and an M.Sc. in Operations Research from the Technion, Haifa, Israel. Mr. Rosman also participated in a Ph.D. program in Investments and Financing at the Tel Aviv University, Israel.

We believe that Mr. Rosman's qualifications to sit on our Board include his years of experience in the high-tech industry, as well as his knowledge and familiarity with corporate finance.

### Doron Shorrer\*

61 Mr. Shorrer became a director of the Company in October 2003. Mr. Shorrer was one of the Company's founders and served as its first Chairman until 2006. Mr. Shorrer also serves as a director of other companies: Provident Fund for employees of the Israel Electric Company Ltd. and for Hebrew University employees, and Massad Bank from the International Bank group. Between 1999 and 2004 he was Chairman of the Boards of Phoenix Insurance Company, one of the largest insurance companies in Israel, and of Mivtachim Pension Funds Group, the largest pension fund in Israel. Prior to serving in these positions, Mr. Shorrer held senior positions that included Arbitrator at the Claims Resolution Tribunal for Dormant Accounts in Switzerland; Economic and Financial Advisor, Commissioner of Insurance and Capital Markets for the State of Israel; Member of the board of directors of "Nechasim" of the State of Israel; Member Committee for the Examination of Structural Changes in the Capital Market (The Brodet Committee); General Director of the Ministry of Transport; Founder and managing partner of an accounting firm with offices in Jerusalem, Tel-Aviv and Haifa: Member of the Lecture Staff of the Hebrew University Business Administration School; Chairman of Amal School Chain; Chairman of a Public Committee for Telecommunications; and Economic Consultant to the Ministry of Energy. Among many areas of expertise, Mr. Shorrer formulates implements and administers business planning in the private and institutional sector in addition to consulting on economic, accounting and taxation issues to a large audience ranging from private concerns to government ministries.

Mr. Shorrer holds a B.A. in Economics and Accounting and an M.A. in Business Administration (specialization in finance and banking) from the Hebrew University of

Jerusalem and is a Certified Public Accountant (ISR).

We believe that Mr. Shorrer's qualifications to sit on our Board include his years of experience in the high-tech industry, his vast skill and expertise in accounting and economics, as well as his knowledge and familiarity with corporate finance.

\*The Board determined that this director or nominee is "independent" as defined by the rules of the Securities and Exchange Commission, or SEC, and NASDAQ Stock Market, or NASDAQ, rules and regulations. None of the independent directors has any relationship with us besides serving on our Board.

# Required Vote

The affirmative vote of the holders of a majority of the of the stock having voting power present in person or represented by proxy shall be sufficient for the election of each of the director nominees.

The Board recommends a vote FOR the election of each of the director nominees named above.

# PROPOSAL NO. 2 – AMENDMENT TO THE COMPANY'S AMENDED AND RESTATED ARTICLES OF INCORPORATION TO INCREASE THE NUMBER OF AUTHORIZED SHARES OF COMMON STOCK

# Proposed Amendment

The Company's Amended and Restated Articles of Incorporation, or the Articles, presently authorize the Company to issue 100,000,000 shares of Common Stock, par value \$0.00001 per share and 10,000,000 shares of Preferred Stock, par value \$0.00001 per share.

The Board has unanimously approved, and unanimously recommends that our stockholders approve, a proposal to amend Article FOURTH of our Articles to increase the number of authorized shares of Common Stock from 100,000,000 shares to 200,000,000 shares. The full text of Article FOURTH of the Articles as proposed to be amended by this proposal is as follows:

"The aggregate number of shares which the corporation shall have authority to issue is: (i) Two Hundred Million (200,000,000) shares of Common Stock, par value \$0.00001 each (the "Common Stock"), and (ii) Ten Million (10,000,000) shares of preferred stock, par value \$0.00001 each, which may be issued in one or more series at the discretion of the Board of Directors (the "Preferred Stock"). The Board of Directors is hereby vested with authority to fix by resolution or resolutions the designations and the powers, preferences and relative, participating, optional or other special rights, and qualifications, limitations or restrictions thereof, including without limitation the dividend rate, conversion or exchange rights, redemption price and liquidation preference, of any series of shares of Preferred Stock, and to fix the number of shares constituting any such series, and to increase or decrease the number of shares of any such series (but not below the number of shares thereof then outstanding). In case the number of shares of any such series shall be so decreased, the shares constituting such decrease shall resume the status which they had prior to the adoption of the resolution or resolutions originally fixing the number of shares of such series. All shares of any one series shall be alike in every particular except as otherwise provided by these Articles of Incorporation or the Nevada Revised Statues."

### Reasons for and Effect of the Proposed Amendment

The Articles presently authorize us to issue 100,000,000 shares of Common Stock, par value \$0.00001 per share, and 10,000,000 shares of Preferred Stock, par value \$0.00001 per share. We have not issued any shares of Preferred Stock. The Board believes that the proposed increase in the number of authorized shares of Common Stock is in our best interests and that it will provide us with available shares which may be used for various corporate purposes, including equity financings, acquisitions, stock dividends, stock splits, equity awards and convertible debt, in each case, as the Board determines in its discretion. The Board further believes that the increase in the number of authorized shares of Common Stock will enable us to promptly take advantage of market conditions and the availability of favorable opportunities without the delay and expense associated with holding a special meeting of stockholders. Although we believe that we will need to raise additional funds by way of equity sales in the near future, except for existing warrants and options, we presently have no specific plans, arrangements or understandings, either written or oral, to issue any of the additional authorized shares.

### Effect on our Stockholders

The increase in the authorized number of shares of Common Stock would allow for the possibility of substantial dilution of our current stockholders, although no dilution will occur as a direct result of the increase in the number of our authorized shares. The degree of any dilution that would occur following the issuance of any additional shares of Common Stock would depend upon the number of shares of stock that are actually issued in the future, which cannot be determined at this time. Issuance of a large number of additional shares could significantly dilute our existing

stockholders.

Effect on the possibility of Change in Control with respect to the Company

The existence of a substantial number of authorized and unissued shares of Common Stock could also impede an attempt to acquire control because our Board would have the ability to issue additional shares of Common Stock in response to any such attempt. We are not aware at this time of any attempt to acquire control of the Company, and no decision has been made as to whether any or all newly authorized but unissued shares of stock would be issued in response to any attempt of that kind.

Interests of Our Management in the Proposal

None of our directors or executive officers has any financial or other personal interest in the amendment to our Articles pursuant to this proposal.

# Required Vote

The affirmative vote of the holders of a majority of the votes present in person or represented by proxy is required for the amendment of the Articles.

The Board recommends a vote FOR the proposal to amend the Company's Articles.

PROPOSAL NO. 3 — Ratification of the Selection of Kost Forer Gabbay & Kasierer, a Member of Ernst & Young Global, as Independent Registered Public Accounting Firm of the Company for the Fiscal Year Ending June 30, 2014.

Our audit committee, or the Audit Committee, has selected Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global, as our independent registered public accounting firm, or the Independent Auditors, for the current fiscal year, subject to ratification by our stockholders at the annual meeting. We do not expect to have a representative of the Independent Auditors attending the annual meeting.

Neither our by-laws, our other governing documents, nor other law requires stockholder ratification of the selection of the Independent Auditors as our independent registered public accounting firm. However, the Audit Committee is submitting the selection of the Independent Auditors 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 the Independent Auditors. Even if the selection is ratified, the Audit Committee in its discretion may decide to appoint a different independent registered public accounting firm at any time during the year if the Audit Committee determines that such a change would be in the best interests of the Company and its stockholders.

The Board recommends a vote "FOR" the ratification of the selection of Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global, as independent registered public accounting firm of the Company for the fiscal year ending June 30, 2014.

### CORPORATE GOVERNANCE

Committees and Meetings of Our Board of Directors

The Board held 10 meetings during Fiscal 2013. Throughout this period, each member of our Board who was a director in Fiscal 2013 attended or participated in at least 75% of the aggregate of the total number of meetings of our Board held during the period for which such person has served as a director, and the total number of meetings held by all committees of our Board on which each the director served during the periods such director served. Our Board has two standing committees: the Compensation Committee and the Audit Committee.

Compensation Committee. The members of our Compensation Committee are Doron Shorrer, Nachum Rosman and Israel Ben-Yoram. Doron Shorrer is the Chairman of the Compensation Committee and our Board has determined that all of the members of the Compensation Committee are "independent" as defined by the rules of the SEC and NASDAQ rules and regulations. The Compensation Committee operates under a written charter that is posted on our website at www.pluristem.com. The primary responsibilities of our Compensation Committee include:

- •Reviewing and recommending to our Board of the annual base compensation, the annual incentive bonus, equity compensation, employment agreements and any other benefits of our executive officers;
  - Administering our equity based plans and making recommendations to our Board with respect to our incentive-compensation plans and equity-based plans; and
- Annually reviewing and making recommendations to our Board with respect to the compensation policy for such other officers as directed by our Board.

The Compensation Committee meets, as often as it deems necessary, without the presence of any executive officer whose compensation it is then approving. The majority of the members of the Compensation Committee constitutes a quorum and is empowered to act on behalf of the Compensation Committee. The Compensation Committee may delegate any authority granted to it with respect to officer compensation to the Chair or any other member of the

Compensation Committee in its sole discretion. Neither the Compensation Committee nor the Company engaged or received advice from any compensation consultant during Fiscal 2013.

Our Compensation Committee held four meetings during Fiscal 2013.

Audit Committee. The members of our Audit Committee are Doron Shorrer, Nachum Rosman and Israel Ben-Yoram. Doron Shorrer is the Chairman of the Audit Committee, and our Board has determined that Israel Ben-Yoram is an "Audit Committee financial expert" and that all members of the Audit Committee are "independent" as defined by the rules of the SEC and the NASDAQ rules and regulations. The Audit Committee operates under a written charter that is posted on our website at www.pluristem.com. The information on our website is not incorporated by reference into this Annual Report. The primary responsibilities of our Audit Committee include:

- Appointing, compensating and retaining our registered independent public accounting firm;
  - Overseeing the work performed by any outside accounting firm;
- Assisting the Board in fulfilling its responsibilities by reviewing: (i) the financial reports provided by us to the SEC, our stockholders or to the general public, and (ii) our internal financial and accounting controls; and
  - Recommending, establishing and monitoring procedures designed to improve the quality and reliability of the disclosure of our financial condition and results of operations.

Our Audit Committee held seven meetings during Fiscal 2013.

Nominating/Corporate Governance; Director Candidates.

We do not have a Nominating Committee or Corporate Governance Committee or any committees of a similar nature, nor any charter governing the nomination process. Our Board does not believe that such committees are needed for a company our size. However, our independent directors will consider stockholder suggestions for additions to our Board.

All nominees to the Board are selected and recommended to the Board by a majority of independent directors of the Company. In considering whether to recommend any particular candidate for inclusion in the Board's slate of recommended director nominees, our independent directors will apply criteria including the candidate's integrity, business acumen, knowledge of our business and industry, age, experience, diligence, conflicts of interest and the ability to act in the interests of all stockholders. No particular criteria will be a prerequisite or will be assigned a specific weight, nor do we have a diversity policy. We believe that the backgrounds and qualifications of our directors, considered as a group, should provide a composite mix of experience, knowledge and abilities that will allow the Board to fulfill its responsibilities.

The Company has never received communications from stockholders recommending individuals to any of our independent directors. Therefore we do not yet have a policy with regard to the consideration of any director candidates recommended by stockholders. In Fiscal 2013, we did not pay a fee to any third party to identify or evaluate, or assist in identifying or evaluating, potential nominees for our Board. We have not received any recommendations from stockholders for Board nominees. All of the nominees for election at the Meeting are current members of our Board.

Board Leadership Structure. Our leadership structure includes the combined positions of Chairman of the Board and Chief Executive Officer. The Company believes this structure is appropriate for a company of our size and complexity because the Chairman and Chief Executive Officer (a) is most familiar with the Company's business and industry, (b) possesses detailed and in-depth knowledge of the issues, opportunities and challenges facing the Company, and is thus best positioned to develop agendas to ensure the Board's time and attention are focused on matters which are critical to

the Company, and (c) conveys a clear, cohesive message to our stockholders, employees and industry partners.

Mr. Zami Aberman serves both as our Chairman of the Board and Chief Executive Officer. In his position as Chairman of the Board, Mr. Aberman is responsible for setting the agenda and priorities of the Board. As Chief Executive Officer, Mr. Aberman leads our day-to-day business operations and is accountable directly to the full Board. As Chief Executive Officer, Mr. Aberman has day-to-day responsibility, together with Mr. Yaky Yanay, our President and Chief Operating Officer and Mr. Boaz Gur-Lavie, our Chief Financial Officer, for our management operations and for general oversight of our business and the various management teams that are responsible for our day-to-day operations. We believe that this structure provides an efficient and effective leadership model for the Company.

Because the Chairman of the Board is also the Chief Executive Officer, the Board has designated an independent director to serve as the lead independent director to enhance the Board's ability to fulfill its responsibilities independently. The Board appointed Doron Shorrer as lead independent director. The lead independent director serves as the liaison between the Chairman and the independent directors.

We believe that the combined role of Chairman and Chief Executive Officer, together with an empowered lead independent director, is the optimal Board structure to provide independent oversight and hold management accountable while ensuring that our Company's strategic plans are pursued to optimize long-term shareholder value.

Risk Oversight. The Board, including the Audit Committee and Compensation Committee, periodically reviews and assesses the significant risks to the Company. Our management is responsible for the Company's risk management process and the day-to-day supervision and mitigation of risks. These risks include strategic, operational, competitive, financial, legal and regulatory risks. Our Board leadership structure, together with the frequent interaction between our directors and management, assists in this effort. Communication between our Board and management regarding long-term strategic planning and short-term operational practices include matters of material risk inherent in our business.

The Board plays an active role, as a whole and at the committee level in overseeing management of the Company's risks. Each of our Board committees is focused on specific risks within their areas of responsibility, but the Board believes that the overall enterprise risk management process is more properly overseen by all of the members of the Board. The Audit Committee is responsible for overseeing the management of financial and accounting risks. The Compensation Committee is responsible for overseeing the management of risks relating to executive compensation plans and arrangements. While each committee is responsible for the evaluation and management of such risks, the entire Board is regularly informed through committee reports. The Board incorporates the insight provided by these reports into its overall risk management analysis.

The Board administers its risk oversight responsibilities through the Chief Executive Officer and the Chief Financial Officer, who, together with management representatives of the relevant functional areas review and assess the operations of the Company as well as operating management's identification, assessment and mitigation of the material risks affecting our operations.

### COMMUNICATING WITH OUR BOARD OF DIRECTORS

Our Board will give appropriate attention to written communications that are submitted by stockholders, and will respond if and as appropriate. Mr. Doron Shorrer, one of our independent directors, our lead director, and the Chairman of our Audit Committee, with the assistance of our outside counsel, is primarily responsible for monitoring communications from our stockholders and for providing copies or summaries to the other directors as he considers appropriate. Communications are forwarded to all directors if they relate to substantive matters and include suggestions or comments that Mr. Shorrer considers to be important for the directors to know. In general, communications relating to corporate governance and long-term corporate strategy are more likely to be forwarded

than communications relating to ordinary business affairs, personal grievances and matters as to which we tend to receive repetitive or duplicative communications.

Stockholders who wish to send communications on any topic to our Board should address such communications to: Pluristem Therapeutics, Inc., c/o Doron Shorrer, at the address on the first page of this proxy statement.

### ATTENDANCE AT SPECIAL AND ANNUAL STOCKHOLDER MEETINGS

We encourage our directors to attend our special and annual stockholders meetings. Mr. Zami Aberman and Mr. Nachum Rosman, two of our directors, attended our last annual stockholder meeting.

### **EXECUTIVE COMPENSATION**

### Compensation Discussion and Analysis

The Compensation Committee of our Board is comprised solely of independent directors as defined by NASDAQ, outside directors as defined by Section 162(m) of the Internal Revenue Code and non-employee directors as defined by Rule 16b-3 under the Exchange Act. The Compensation Committee has the authority and responsibility to review and make recommendations to the Board regarding the compensation of our Chief Executive Officer (CEO) and other executive officers. Our named executive officers for Fiscal 2013 are those two individuals listed in the "2013 Summary Compensation Table" below. Other information concerning the structure, roles and responsibilities of our Compensation Committee is set forth in "Board Meetings and Committees—Compensation Committee" section of our Annual Report.