PLURISTEM THERAPEUTICS INC

Form 424B5 June 26, 2015

> Filed Pursuant to Rule 424(b)(5) Registration No. 333-199303

PROSPECTUS SUPPLEMENT (to the Prospectus dated October 14, 2014)

**DATED June 25, 2015** 

6,800,000 Shares of Common Stock and Warrants to purchase up to 4,080,000 shares of Common Stock

We are offering 6,800,000 shares of our common stock, par value \$0.00001 per share, and warrants to purchase up to 4,080,000 shares of common stock at an exercise price of \$2.85 per share of common stock pursuant to this prospectus supplement and the accompanying prospectus. The shares of common stock and warrants will be sold in units, with each unit consisting of one share of common stock and 0.6 warrant, where each whole warrant is exercisable to purchase one share of common stock, and the shares of common stock and warrants immediately separable upon issuance. Each unit will be sold at a price of \$2.50 per unit.

Our common stock is listed on the NASDAQ Capital Market, or Nasdaq, under the symbol "PSTI" and on the Tel Aviv Stock Exchange under the symbol "PLTR." On June 24, 2015, the last reported sale price for our common stock on the Nasdaq was \$2.56 per share.

There is no market through which the warrants may be sold and purchasers may not be able to resell the warrants purchased under this prospectus supplement. This may affect the pricing of the warrants in the secondary market, the transparency and availability of trading prices, the liquidity of such warrants, and the extent of issuer regulation. See "Risk Factors."

Investing in our securities involves a high degree of risk. You should review carefully the risks and uncertainties referenced under the heading "Risk Factors" beginning on page S-3 of this prospectus supplement and on page 1 of the accompanying prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the accompanying prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

Maxim Group LLC. is acting as the sole placement agent on this transaction. The placement agent is not purchasing or selling any of these securities nor is the placement agent required to arrange for the sale of any specific number or dollar amount of securities, but has agreed to use its reasonable best efforts to arrange for the sale of the securities offered by this prospectus supplement. There is no required minimum number of shares that must be sold as a condition to completion of the offering. We have agreed to pay the placement agent the placement agent fees set forth in the table below.

	Per Unit	Total
Offering price	\$ 2.50	\$ 17,000,000

Placement agent fee(1)	\$ 0.15	\$ 1,020,000
Proceeds to Pluristem, before expenses	\$ 2.35	\$ 15,980,000

(1) In addition to the placement agent fee listed in the table above, we have agreed to reimburse the placement agent for certain of its expenses with respect to this offering as described under "Plan of Distribution" on page S-6 of this prospectus supplement.

Delivery of the units is expected to be made on or about June 30, 2015.

Sole Placement Agent

Maxim Group LLC

June 26, 2015

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#### ABOUT THIS PROSPECTUS SUPPLEMENT

This prospectus supplement and the accompanying prospectus are part of a "shelf" registration statement on Form S-3 (File No. 333-199303) we filed with the Securities and Exchange Commission, or the SEC, on October 14, 2014, and that was declared effective by the SEC on October 30, 2014. Under this "shelf" registration process, we may, from time to time, sell any combination of the securities described in the accompanying prospectus in one or more offerings up to a total amount of \$200,000,000. As of June 24, 2015, prior to the consummation of this offering, we have not sold any securities under the foregoing "shelf" registration statement.

This document is in two parts. The first part is this prospectus supplement, which describes the specific terms of this offering and also adds to and updates information contained in the accompanying prospectus and the documents incorporated by reference into this prospectus supplement and the accompanying prospectus. The second part is the accompanying prospectus, which gives more general information about the shares of our common stock, the warrants to purchase common stock and other securities we may offer from time to time under our "shelf" registration statement, some of which does not apply to the common stock offered by this prospectus supplement.

Generally, when we refer to this prospectus supplement, we are referring to both parts of this document combined together with all documents incorporated by reference. To the extent there is a conflict between the information contained in this prospectus supplement, on the one hand, and the information contained in the accompanying prospectus or any document incorporated by reference therein, on the other hand, you should rely on the information in this prospectus supplement.

You should read this prospectus supplement, the accompanying prospectus, and the documents incorporated by reference in this prospectus supplement and the accompanying prospectus before making an investment decision. You should also read and consider the information in the documents referred to in the sections of this prospectus supplement entitled "Where You Can Find More Information" and "Incorporation of Certain Documents by Reference."

You should rely only on the information contained in or incorporated by reference into this prospectus supplement or contained in or incorporated by reference into the accompanying prospectus to which we have referred you. We have not authorized anyone to provide you with information that is different. If anyone provides you with different or inconsistent information, you should not rely on it. The information contained in, or incorporated by reference into, this prospectus supplement and contained in, or incorporated by reference into, the accompanying prospectus is accurate only as of the respective dates thereof, regardless of the time of delivery of this prospectus supplement and the accompanying prospectus or of any sale of securities.

We are offering to sell, and are seeking offers to buy, the units only in jurisdictions where such offers and sales are permitted. The distribution of this prospectus supplement and the accompanying prospectus and the offering of the units in certain states or jurisdictions or to certain persons within such states and jurisdictions may be restricted by law. Persons outside the United States who come into possession of this prospectus supplement and the accompanying prospectus must inform themselves about and observe any restrictions relating to the offering of the units and the distribution of this prospectus supplement and the accompanying prospectus outside the United States. This prospectus supplement and the accompanying prospectus do not constitute, and may not be used in connection with, an offer to sell, or a solicitation of an offer to buy, any securities offered by this prospectus supplement and the accompanying prospectus by any person in any state or jurisdiction in which it is unlawful for such person to make such an offer or solicitation.

In this prospectus supplement and the accompanying prospectus, unless otherwise indicated, the terms "Pluristem," "we," "us" and "our" mean Pluristem Therapeutics Inc. and its wholly-owned Israeli subsidiary, Pluristem Ltd., as required by

the context.

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#### PROSPECTUS SUPPLEMENT SUMMARY

This summary contains basic information about us and this offering. Because it is a summary, it does not contain all of the information that you should consider before investing. Before you decide to invest in our securities, you should read this entire prospectus supplement and the accompanying prospectus carefully, including the sections entitled "Risk Factors," and our consolidated financial statements and the related notes and other documents incorporated by reference herein and in the accompanying prospectus.

## Our Company

We are a bio-therapeutics company developing off-the-shelf allogeneic cell therapy products for the treatment of multiple ischemic and inflammatory conditions, with our lead indications focusing on cardiovascular, orthopedic, pulmonary, hematological, and women's health diseases. Our patented PLX cells are intended to function as a platform that releases a number of therapeutic proteins in response to various local and systemic inflammatory and ischemic signals, generated by the patient's own body. PLX cells are grown using our proprietary 3D micro-environment technology which produces a product that requires no tissue matching prior to administration.

Our strategy is to develop and produce cell therapy products for the treatment of multiple disorders using several routes of administration, such as intravenous and intramuscular injections. We plan to execute this strategy independently, using our own personnel, and through relationships with research and clinical institutions or in collaboration with other companies. We have built a facility that complies with current Good Manufacturing Practice requirements (cGMPs) and we are planning to have in-house production capacity to grow clinical-grade PLX cells in commercial quantities.

Our focus for 2015 is to make significant progress in our clinical pipeline and shorten the time to market our first product, PLX-PAD. We intend to leverage the new regulatory environments in Europe and Japan that now offer unique opportunities for accelerated paths to bring new products to the market. We believe that these new pathways create substantial opportunities for us and for the cell therapy industry as a whole. We will explore these accelerated pathways for several of our current clinical indications, such as critical limb ischemia, or CLI, as well as for carefully selected hematologic indications, which represent substantial unmet needs that we hope to address with our second product, PLX-R18. In May 2015, we announced that the PLX cell program in CLI had been selected for the Adaptive Pathways pilot project of the European Medicines Agency (EMA). In addition, we reported that Japan's Pharmaceuticals and Medical Devices Agency (PMDA) approved the proposed quality and large-scale manufacturing methods for PLX-PAD for use in clinical trials in Japan. We will continue with frequent discussions with these regulators in order to initiate clinical studies using the accelerated paths.

We plan to continue developing multiple placenta-derived cell therapy products that we anticipate will lead to significant improvement in the lives of patients, and expect to demonstrate the real-world impact and value of our pipeline, technology platform and commercial-scale manufacturing capacity. We made progress in our Phase II intermittent claudication trial, a randomized, double blind, placebo controlled, multinational clinical trial. We added sites in South Korea to this trial, which was already underway in Israel, the United States and Germany. We also anticipate that United Therapeutics Corporation, or United, will complete an ongoing Phase I clinical trial of PLX-PAD cells in pulmonary arterial hypertension in Australia, which will potentially lay the groundwork for a Phase II clinical trial.

We plan to initiate Phase I Preeclampsia clinical trial, advance our Phase II/III clinical trial in an orthopedic indication and initiate a Phase II CLI clinical trials in regions with recently established rapid regulatory pathways, such as the Accelerated Pathway for Regenerative Therapy in Japan and the Adaptive Pathway in the European Union.

# Corporate Information

We were incorporated as a Nevada corporation in 2001. We have a wholly-owned subsidiary in Israel called Pluristem Ltd. Our executive offices are located at MATAM Advanced Technology Park, Building No. 5, Haifa, Israel, our telephone number is 011-972-74-710-8607 and our website address is www.pluristem.com. This reference to our website is an inactive textual reference only, and is not a hyperlink. The information on our website is not incorporated by reference in this prospectus supplement and should not be considered to be part of this prospectus supplement.

## The Offering

Shares of common stock and warrants

offered by us

6,800,000 shares, plus warrants to purchase up to an additional 4,080,000 shares of common stock. This prospectus supplement also covers the shares of common stock issuable upon exercise of the warrants offered hereby.

Offering price per unit

\$2.50

Terms of warrants

An exercise price of \$2.85 per share of common stock, immediately exercisable and expiring 5 years from the closing of the offering.

Common stock to be outstanding after

this offering

78,502,832 shares of common stock, or 82,582,832 shares of common stock if the warrants sold in this offering are fully exercised.

Use of proceeds

We intend to use the net proceeds from this offering for research and product development activities, clinical trial activities, such as in Europe and Japan according to the accelerated and adaptive pathways, investment in capital equipment and for working capital and other general corporate purposes. See "Use of Proceeds" for more information.

Risk factors

See "Risk Factors" beginning on page S-3 of this prospectus supplement, as well as those risk factors that are incorporated by reference in this prospectus supplement and the accompanying prospectus, for a discussion of factors to consider carefully before deciding to purchase shares of our common stock.

Nasdaq Capital Market symbol

**PSTI** 

Unless we indicate otherwise, all information in this prospectus supplement is based on 71,702,832 shares of common stock outstanding as of June 24, 2015, assumes no exercise of outstanding options or warrants to purchase additional shares, and excludes as of such date:

- · 2,089,900 shares of common stock issuable upon the exercise of outstanding stock options as of June 24, 2015 at a weighted-average exercise price of \$3.95 per share;
- · 232,496 shares of common stock reserved for future issuances under our stock option plans;
- · 8,279,983 shares of common stock issuable upon the exercise of outstanding warrants as of June 24, 2015 at a weighted-average exercise price of \$4.51 per share; and
- 1,568,047 shares of common stock issuable upon the vesting of outstanding restricted stock units as of June 24, 2015.

#### **RISK FACTORS**

Investing in our securities involves significant risks. You should carefully consider the risk factors below, in the accompanying prospectus and in our filings with the SEC, including our Annual Report on Form 10-K for the fiscal year ended June 30, 2014, as well as all of the information contained in this prospectus supplement, in the accompanying prospectus and the other documents incorporated by reference herein or therein, before you decide to invest in our securities. Our business, prospects, financial condition and results of operations may be materially and adversely affected as a result of any of such risks. The value of our securities could decline as a result of any of these risks. You could lose all or part of your investment in our securities. The risks and uncertainties we have described are not the only ones we face. Additional risks and uncertainties not presently known to us or that we currently deem immaterial may also affect our business, prospects, financial condition and results of operations.

# Risks Related to this Offering

You will experience immediate and substantial dilution in the net tangible book value per share of the common stock you purchase.

Since the price per share of our common stock being offered is higher than the net tangible book value per share of our common stock, you will suffer substantial dilution in the net tangible book value of the common stock you purchase in this offering. If you purchase shares in this offering, you will incur an immediate and substantial dilution in net tangible book value of \$1.71 per share. See the section entitled "Dilution" on page S-4 in this prospectus supplement for a more detailed discussion of the dilution you will incur if you purchase units in this offering.

Our management will have broad discretion over the use of the proceeds we receive from this offering and may invest or spend the proceeds of this offering in ways with which you may not agree or in ways which may not yield a significant return, if any.

We intend to use the net proceeds from this offering for research and product development activities, clinical trial activities, such as in Europe and Japan according to the accelerated and adaptive pathways, investment in capital equipment and for working capital and other general corporate purposes. Our management will have significant flexibility in applying the net proceeds of this offering. The actual amounts and timing of expenditures will vary significantly depending on a number of factors, including the amount of cash used in our operations and our research and development efforts. Management's failure to use these funds effectively would have an adverse effect on the value of our common stock and could make it more difficult and costly to raise funds in the future.

Future sales of our shares may cause the prevailing market price of our shares to decrease.

We have issued a substantial number of shares issued or issuable upon exercise of warrants and options to purchase our shares that are eligible for, or may become eligible for, unrestricted resale. Any sales or registration of such shares in the public market or otherwise could reduce the prevailing market price for our shares, as well as make future sales of equity securities by us less attractive or even not feasible. The sale of shares issued upon the exercise of our options and warrants, including the warrants offered hereby as part of the units, could also further dilute the holdings of our then existing shareholders.

## CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

The statements contained in this prospectus supplement, the accompanying prospectus supplement and the documents we incorporate by reference herein or therein that are not historical facts are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 and other federal securities laws. Such forward-looking statements may be identified by, among other things, the use of forward-looking terminology such as

"believes," "intends," "plans," "expects," "may," "will," "should," or "anticipates" or the negative thereof or other variations the comparable terminology, and similar expressions are intended to identify forward-looking statements. We remind readers that forward-looking statements are merely predictions and therefore inherently subject to uncertainties and other factors and involve known and unknown risks that could cause the actual results, performance, levels of activity, or our achievements, or industry results, to be materially different from any future results, performance, levels of activity, achievements or industry results, expressed or implied by such forward-looking statements. Such forward-looking statements include, among other statements, statements regarding the following:

• the expected development and potential benefits from our products in treating various medical conditions;

- the exclusive license agreements we entered into with United and CHA Biotech Co., Ltd. and clinical trials to be conducted according to such agreements;
- · our pre-clinical and clinical trials plans, including the completion of recruitment processes and timing of conclusion of certain milestones and trials;
- achieving regulatory approvals, including under accelerated paths, and our plans to leverage these accelerated paths to bring new products to the market;
- · developing capabilities for new clinical indications of placenta expanded cells (PLX);
- · the potential market demand for our products;
- · our outlook for the coming months and future periods, including but not limited to our expectations regarding future revenue and expenses; and
- · information with respect to any other plans and strategies for our business.

The factors discussed herein, including those risks described under the heading "Risk Factors" herein, in the accompanying prospectus and in the documents we incorporate by reference could cause actual results and developments to be materially different from those expressed in or implied by such statements. In addition, historic results of scientific research, clinical and preclinical trials do not guarantee that the conclusions of future research or trials would not suggest different conclusions. Also, historic results referred to this prospectus supplement, the accompanying prospectus and the documents we incorporate by reference may be interpreted differently in light of additional research, clinical and preclinical trials results. Except as required by law we undertake no obligation to publicly update such forward-looking statements to reflect subsequent events or circumstances.

#### **USE OF PROCEEDS**

We estimate that our net proceeds from this offering will be approximately \$15,800,000 at a public offering price of \$2.50 per unit after deducting the placement agent's fees and the estimated offering expenses that are payable by us and excluding any proceeds from the potential exercise of warrants offered hereby.

We intend to use the net proceeds from this offering for research and product development activities, clinical trial activities, such as in Europe and Japan according to the accelerated and adaptive pathways, investment in capital equipment and for working capital and other general corporate purposes. Pending the application of the net proceeds, we intend to invest the net proceeds in bank deposits or investment-grade, interest-bearing securities subject to any investment policies our investment committee may determine from time to time.

We have not yet determined the amount of net proceeds to be used specifically for any of the foregoing purposes. Accordingly, our management will have significant discretion and flexibility in applying the net proceeds from this offering. Depending upon the timing of receipt of any proceeds from the exercise of warrants exercise, we would use such proceeds for such corporate purposes as our management and Board of Directors may approve at the time. Such purposes may be different from the anticipated purposes as of the date of this prospectus supplement.

### DIVIDEND POLICY

We have never declared or paid any cash dividends on our common stock. We intend to retain any future earnings to finance the growth and development of our business and do not anticipate paying any cash dividends in the foreseeable future. Any dividends paid will be solely at the discretion of our board of directors.

#### **DILUTION**

Purchasers of common stock in this offering (either as a component of units or upon warrant exercise) will incur immediate and substantial dilution in the net tangible book value per share of common stock. Our historical net

tangible book value as of March 31, 2015 was approximately \$0.64 per share of our common stock. Net tangible book value per share represents the amount of tangible assets less total liabilities, divided by 71,043,011 shares of common stock, which was the number of shares of our common stock outstanding as of March 31, 2015.

Dilution in net tangible book value per share represents the difference between the amount per share paid by purchasers in this offering and the net tangible book value per share of our common stock immediately after this offering. After giving effect to the sale of 6,800,000 shares of common stock in this offering at an offering price of \$2.50 per share (assuming no separate consideration was paid for the warrants issued in this offering), and after deducting the placement agent's fees and the estimated offering expenses payable by us, our as adjusted net tangible book value as of March 31, 2015, would have been approximately \$0.79 per share of common stock. This represents an immediate increase in net tangible book value of \$0.15 per share of common stock to our existing stockholders and an immediate dilution in net tangible book value of \$1.71 per share of common stock to investors participating in this offering. The following table illustrates this per share dilution:

Offering price per share		\$ 2.50
Historical net tangible book value per share as of March 31, 2015	\$ 0.64	
Increase in net tangible book value per share attributable to this offering	\$ 0.15	
As adjusted net tangible book value per share after this offering		\$ 0.79
Dilution per share to new investors in this offering		\$ 1.71

The foregoing illustration does not reflect potential dilution from the exercise of outstanding options or warrants to purchase shares of our common stock.

The foregoing per share dilution does not give effect to the potential exercise of the warrants offered hereby. Assuming the sale of all units offered hereby and also the exercise of all warrants within such units, the per share dilution would be as follows:

After giving effect to the sale of 10,880,000 shares of common stock in this offering (inclusive of the warrant shares) at the public offering price of \$2.50 per share (assuming no separate consideration was paid for the warrants issued in this offering), and assuming an exercise price of \$2.85 per warrant share, and after deducting underwriting discounts and commissions and estimated offering expenses, our net tangible book value as of March 31, 2015, would have been \$72.99 million, or \$0.89 per share. This amount represents an immediate increase in net tangible book value to existing shareholders of \$0.25 per share and an immediate dilution in net tangible book value of \$1.74 per share to purchasers of our shares of common stock in this offering, as illustrated in the following table:

Offering price per share		\$ 2.63
Historical net tangible book value per share as of March 31, 2015	\$ 0.64	
Increase in net tangible book value per share attributable to this offering	\$ 0.25	
As adjusted net tangible book value per share after this offering		\$ 0.89
Dilution per share to new investors in this offering		\$ 1.74

The discussion and tables above are based on 71,043,011 shares outstanding as of March 31, 2015 and excludes as of that date:

- $\cdot$  2,106,676 shares of common stock issuable upon the exercise of outstanding stock options as of March 31, 2015 at a weighted-average exercise price of \$3.91 per share;
- · 299,225 shares of common stock reserved for future issuances under our stock option plans;

- $\cdot$  8,865,169 shares of common stock issuable upon the exercise of outstanding warrants as of March 31,, 2015 at a weighted-average exercise price of \$4.31 per share; and
- $\cdot$  1,779,781 shares of common stock issuable upon the vesting of outstanding restricted stock units as of March 31, 2015.

To the extent that outstanding options or warrants outstanding as of March 31, 2015 have been or may be exercised or unvested restricted stock units have been or may be issued, investors purchasing our common stock in this offering may experience further dilution. In addition, we may choose to raise additional capital due to market conditions or strategic considerations even if we believe we have sufficient funds for our current or future operating plans. To the extent that we raise additional capital through the sale of equity or convertible debt securities, the issuance of these securities could result in further dilution to our stockholders.

#### PLAN OF DISTRIBUTION

We have entered into a placement agent letter agreement, dated as of June 25, 2015, with Maxim Group LLC, or Maxim. Subject to the terms and conditions contained in the placement agent letter agreement, Maxim has agreed to act as the sole placement agent in connection with the sale of our shares of common stock and warrants to purchase shares of common stock. The shares of common stock and warrants will be sold in units, with each unit consisting of one share of common stock and 0.6 warrant, where each whole warrant is exercisable to purchase one share of common stock, and the shares of common stock and warrants immediately separable upon issuance. There is no market through which the warrants may be sold and purchasers may not be able to resell the warrants purchased under this prospectus supplement.

The placement agent may engage selected dealers to assist in the placement of the units. The placement agent is not purchasing or selling any of the units offered by us under this prospectus supplement and the accompanying prospectus, nor is it required to arrange the purchase or sale of any specific number or dollar amount of the units. The placement agent has agreed to use its reasonable best efforts to arrange for the sale of units. There is no required minimum number of units that must be sold as a condition to completion of this offering. The purchase price for the shares of common stock has been determined based upon arm's-length negotiations between the purchasers and us.

The placement agent letter agreement provides that the obligations of the placement agent and the purchasers of the units are subject to certain conditions precedent, including, among other things, the absence of any material adverse change in our business and the receipt of customary legal opinions, letters and certificates.

We have entered into a securities purchase agreement directly with purchasers in connection with this offering, and we will only sell to purchasers who have entered into the securities purchase agreement. We currently anticipate that the closing of the sale of the units offered hereby will be completed on or about June 30, 2015, subject to customary closing conditions.

Upon closing, we will deliver to each purchaser delivering funds the number of units purchased by such purchaser through the facilities of The Depository Trust Company.

Maxim may be deemed to be an underwriter within the meaning of Section 2(a)(11) of the Securities Act of 1933, as amended, or the Securities Act, and any commissions received by it and any profit realized on the resale of the units sold by it while acting as principal might be deemed to be underwriting discounts or commissions under the Securities Act. As underwriter, Maxim would be required to comply with the requirements of the Securities Act and the Securities Exchange Act of 1934, as amended, or the Exchange Act, including, without limitation, Rule 415(a)(4) under the Securities Act and Rule 10b-5 and Regulation M under the Exchange Act. These rules and regulations may limit the timing of purchases and sales of shares of common stock and warrants by Maxim acting as principal. Under these rules and regulations, Maxim:

may not engage in any stabilization activity in connection with our securities; and

•

may not bid for or purchase any of our securities or attempt to induce any person to purchase any of our securities, other than as permitted under the Exchange Act, until it has completed its participation in the distribution.

## Commissions and Expenses

We have agreed to pay the placement agent an aggregate cash placement agent fee equal to 6.0% of the gross proceeds received by us for this offering. This fee will be distributed among the placement agent and any sub-agents, selected-dealers, or financial advisors that it has retained to act on its behalf in connection with the offering.

The following table shows per share and total cash placement agent's fees we will pay to the placement agent in connection with the sale of the units pursuant to this prospectus supplement and the accompanying prospectus assuming the purchase of all of the units offered hereby:

Per share placement agent fees	\$0.15
Total	\$1,020,000

Leader Underwriters (1993) Ltd. ("Leader"), H.C. Wainwright & Co., LLC ("H.C. Wainwright") and MLV & Co. LLC, or MLV have acted as our financial advisors in connection with this offering, and will be paid \$260,100, \$35,700 and \$35,700 respectively for their services. The expenses of this offering include the fees to be paid to such financial advisors for services rendered in connection with this offering.

In connection with the offering being made by this prospectus supplement and the accompanying prospectus, we will reimburse the placement agent for certain legal fees and disbursements incurred by it in connection with this offering. The aggregate amount of such reimbursements will not exceed \$40,000.

We estimate the total offering expenses of this offering that will be payable by us, excluding the placement agent's fees, will be approximately \$180,000, which includes legal and printing costs, various other fees and the reimbursement of the placement agent's expenses.

### Indemnification

We have agreed to indemnify the placement agent and certain other persons against certain liabilities, including liabilities under the Securities Act and the Exchange Act, and to contribute to payments that the placement agent may be required to make in respect of those liabilities.

#### Listing

Our shares of common stock are listed on the NASDAQ Capital Market under the trading symbol "PSTI" and on the Tel Aviv Stock Exchange under the trading symbol "PLTR."

## Transfer Agent

The transfer agent for our common stock is American Stock Transfer and Trust Company, LLC.

### Other

The placement agent letter agreement and the securities purchase agreement are included as exhibits to a Current Report on Form 8-K that we filed with the SEC and that is incorporated by reference into the registration statement of which this prospectus supplement forms a part.

The placement agent or its affiliates may in the future provide investment banking, commercial banking and/or other services to us from time to time, for which they may in the future receive customary fees and expenses.

# **DESCRIPTION OF WARRANTS**

The warrants to be issued in this offering represent the right to purchase up to 4,080,000 shares of common stock at an initial exercise price of \$2.85 per share. Each warrant may be exercised at any time and from time to time on or after the closing of this offering and through the close of business on the five-year anniversary of the closing of this offering.

#### Exercise

Holders of the warrants may exercise their warrants to purchase shares of our common stock on or before the expiration date by delivering (1) an exercise notice, appropriately completed and duly signed, and (2) if such holder is not utilizing the cashless exercise provisions, payment of the exercise price for the number of shares with respect to which the warrant is being exercised. Warrants may be exercised in whole or in part, but only for full shares of common stock, and any portion of a warrant not exercised prior to the expiration date shall be and become void and of no value. We provide certain rescission, compensation and buy-in rights to a holder if we fail to deliver the shares of common stock underlying the warrants by the first trading day after delivery to us of the exercise notice. With respect to the rescission rights, the holder has the right to rescind the exercise. The buy-in rights apply if after such first trading day the holder purchases (in an open market transaction or otherwise) shares of our common stock to deliver in satisfaction of a sale by the holder of the warrant shares that the holder anticipated receiving from us upon exercise of the warrant. In this event, we will:

- § pay cash to the holder in an amount equal to the excess (if any) of the buy-in price over the product of (A) such number of shares of common stock, times (B) the price at which the sell order giving rise to holder's purchase obligation was executed; and
- § at the election of holder, either (A) reinstate the portion of the warrant as to such number of shares of common stock, or (B) deliver to holder a certificate or certificates representing such number of shares of common stock.

In addition, the warrant holders are entitled to a "cashless exercise" option if, at any time of exercise, there is no effective registration statement registering, or no current prospectus available for, the issuance or resale of the shares of common stock underlying the warrants. This option entitles the warrant holder to elect to receive fewer shares of common stock without paying the cash exercise price. The number of shares to be issued would be determined by a formula based on the total number of shares with respect to which the warrant is being exercised, the volume weighted average of the prices per share of our common stock on the trading date immediately prior to the date of exercise and the applicable exercise price of the warrants. Additionally, on the termination date of the warrants, provided the warrants are still outstanding, the warrants shall be automatically exercised on a cashless basis.

The shares of common stock issuable on exercise of the warrants will be, when issued in accordance with the warrants, duly and validly authorized, issued and fully paid and non-assessable. We will authorize and reserve at least that number of shares of common stock equal to the number of shares of common stock issuable upon exercise of all outstanding warrants.

#### **Delivery of Certificates**

Upon the holder's exercise of a warrant, we will promptly, but in no event later than one trading day after the exercise date, issue and deliver, or cause to be issued and delivered, a certificate for the shares of common stock issuable upon exercise of the warrant. In addition, we will, if the holder provides the necessary information to us, issue and deliver the shares electronically through The Depository Trust Corporation through its Deposit Withdrawal Agent Commission System or another established clearing corporation performing similar functions.

# Certain Adjustments

The exercise price and the number of shares of common stock purchasable upon the exercise of the warrants are subject to adjustment upon the occurrence of the following events:

# Stock Dividends and Splits

If, at any time while the warrant is outstanding, we (1) pay a stock dividend or otherwise make a distribution on shares of common stock or any other equity or equity equivalent securities payable in shares of common stock, (2) subdivide outstanding shares of common stock into a larger number of shares, (3) combine outstanding shares of common stock into a smaller number of shares, or (4) issue by reclassification of common stock any shares of capital stock, then in each such case the exercise price shall be multiplied by a fraction of which the numerator shall be the number of shares of common stock outstanding immediately before such event and of which the denominator shall be the number of shares of common stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall be proportionately adjusted such that the aggregate exercise price of the warrant shall remain unchanged.

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## **Subsequent Rights Offerings**

If, at any time while the warrant is outstanding, we issue rights, options or warrants to all holders of our common stock entitling them to purchase our common stock at a price per share less than the volume weighted average price on the date of the issuance of such rights, options or warrants, then the exercise price shall be multiplied by a fraction, of which the denominator shall be the number of shares of common stock outstanding on the date of issuance of such rights or warrants plus the number of additional shares of common stock offered for subscription or purchase, and of which the numerator shall be the number of shares of common stock outstanding on the date of issuance of such rights or warrants plus the number of shares which the aggregate offering price of the total number of shares so offered would purchase at such volume weighted average price.

#### Pro Rata Distributions

If, at any time while the warrant is outstanding, we distribute evidence of our indebtedness or assets or rights or warrants to purchase any security other than our common stock to all holders of our common stock, or, distribution, then the exercise price will adjust pursuant to a volume weighted average price based ratio that takes into account the then per share fair market value of the portion of the distribution applicable to one outstanding share of the common stock.

## **Fundamental Transactions**

If, at any time while the warrant is outstanding, we (1) consolidate or merge with or into another corporation, (2) sell all or substantially all of our assets, (3) are subject to or complete a tender or exchange offer pursuant to which holders of our common stock are permitted to tender or exchange their shares for other securities, cash or property, or (4) effect any reclassification of our common stock or any compulsory share exchange pursuant to which our common stock is converted into or exchanged for other securities, cash or property, each, a Fundamental Transaction, then the holders shall have the right thereafter to receive, upon exercise of the warrant, the same amount and kind of securities, cash or property as it would have been entitled to receive upon the occurrence of such Fundamental Transaction if it had been, immediately prior to such Fundamental Transaction, the holder of the number of warrant shares then issuable upon exercise of the warrant, which we refer to in this prospective supplement as Alternate Consideration. Any successor to us, surviving entity or the corporation purchasing or otherwise acquiring such assets shall assume the obligation to deliver to the holder such Alternate Consideration as the holder may be entitled to purchase, and the other obligations under the warrant.

In the event of certain Fundamental Transactions, the holders of the warrants will be entitled to receive, in lieu of our common stock and at the holders' option, cash in an amount equal to the value of the remaining unexercised portion of the warrant on the date of the transaction determined using a Black-Scholes option pricing model with an expected volatility equal to the 100 day historical price volatility obtained from Bloomberg L.P. as of the trading day immediately prior to the public announcement of the transaction.

#### Notice of Corporate Action

We will provide notice to holders of the warrants to provide such holders with an opportunity to exercise their warrants and hold common stock in order to participate in or vote on the following corporate events if we (1) declare a dividend on the common stock, (2) declare a special nonrecurring cash dividend on or a redemption of the common stock, (3) authorize the granting to all holders of the common stock rights or warrants to subscribe for or purchase any shares of capital stock of any class or of any rights, (4) require the approval of any stockholders in connection with any reclassification of the common stock, any consolidation or merger to which we are a party, any sale or transfer of all or substantially all of our assets, any compulsory share exchange whereby the common stock is converted into

other securities, cash or property, or (5) authorize the voluntary or involuntary dissolution, liquidation or winding up of our affairs.

## Limitations on Exercise

The number of warrant shares that may be acquired by the holder upon any exercise of the warrant shall be limited to the extent necessary to insure that, following such exercise (or other issuance), the total number of shares of common stock then beneficially owned by such holder and its affiliates and any other persons whose beneficial ownership of common stock would be aggregated with the holder's for purposes of Section 13(d) of the Exchange Act, does not exceed 4.99% of the total number of issued and outstanding shares of common stock (including for such purpose the shares of common stock issuable upon such exercise), which we refer to as the Beneficial Ownership Limitation. The holder may elect to change the Beneficial Ownership Limitation from 4.99% to 9.99% of the total number of issued and outstanding shares of common stock (including for such purpose the shares of common stock issuable upon such exercise) upon 61 days' prior written notice.

#### Waivers and Amendments

The warrants may be modified or amended and the provisions therein may be waived with our written consent and the consent of the holders of the warrants.

#### **Additional Provisions**

The above summary of certain terms and provisions of the warrants is qualified in its entirety by reference to the detailed provisions of the warrants, the form of which is included as an exhibit to a Current Report on Form 8-K that we filed with the SEC and that is incorporated by reference into the registration statement of which this prospectus supplement forms a part. We are not required to issue fractional shares upon the exercise of the warrants. No holders of the warrants will possess any rights as a stockholder under those warrants until the holder exercises those warrants. The warrants may be transferred independent of the common stock they were issued with, on a form of assignment, subject to all applicable laws.

#### LEGAL MATTERS

The validity of the common stock offered hereby will be passed upon for us by Zysman, Aharoni, Gayer and Sullivan & Worcester LLP, New York, New York. Certain legal matters related to the offering will be passed upon for the placement agent by Ellenoff Grossman & Schole LLP.

#### **EXPERTS**

The consolidated financial statements of Pluristem appearing in our Annual Report on Form 10-K for the fiscal year ended June 30, 2014, and the effectiveness of the internal control over financial reporting of Pluristem as of June 30, 2014, have been audited by Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global, independent registered public accounting firm, as set forth in their reports thereon, included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

#### WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public over the Internet at the SEC's website at www.sec.gov. Copies of certain information filed by us with the SEC are also available on our website at www.pluristem.com. Our website is not a part of this prospectus supplement and is not incorporated by reference in this prospectus supplement. You may also read and copy any document we file at the SEC's Public Reference Room, 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the operation of the Public Reference Room. This reference to the websites is an inactive textual reference only, and is not a hyperlink.

This prospectus is part of a registration statement we filed with the SEC. This prospectus supplement and the accompanying prospectus omit some information contained in the registration statement in accordance with SEC rules and regulations. You should review the information and exhibits in the registration statement for further information on us and our consolidated subsidiaries and the securities we are offering. Statements in this prospectus supplement and the accompanying prospectus concerning any document we filed as an exhibit to the registration statement or that we otherwise filed with the SEC are not intended to be comprehensive and are qualified by reference to these filings. You should review the complete document to evaluate these statements. You can obtain a copy of the registration statement from the SEC at the address listed above or from the SEC's website.

# Edgar Filing: PLURISTEM THERAPEUTICS INC - Form 424B5 INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

We are "incorporating by reference" certain documents we file with the SEC, which means that we can disclose important information to you by referring you to those documents. The information in the documents incorporated by reference is considered to be part of this prospectus supplement and the accompanying prospectus. Statements contained in documents that we file with the SEC and that are incorporated by reference in this prospectus supplement and the accompanying prospectus will automatically update and supersede information contained in this prospectus supplement and the accompanying prospectus, including information in previously filed documents or reports that have been incorporated by reference in this prospectus supplement and the accompanying prospectus, to the extent the new information differs from or is inconsistent with the old information.

In addition to the documents listed under "Incorporation of Documents by Reference" in the accompanying prospectus, we incorporate by reference the following documents, which we filed with the SEC under the Exchange Act:

- (1) Our Quarterly Reports on Form 10-Q filed with the SEC on November 6, 2014, February 5, 2015 and May 6, 2015.
- Our Current Reports on Form 8-K filed with the SEC on May 18, 2015, May 26, 2015, and June 25, 2015.

All documents filed by us pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (1) after the date of the filing of the registration statement of which this prospectus supplement and the accompanying prospectus form a part and prior to its effectiveness and (2) until all of the common stock to which this prospectus supplement relates has been sold or the offering is otherwise terminated, except in each case for information contained in any such filing where we indicate that such information is being furnished and is not to be considered "filed" under the Exchange Act, will be deemed to be incorporated by reference in this prospectus supplement and the accompanying prospectus and to be a part hereof and thereof from the date of filing of such documents.

We will provide a copy of the documents we incorporate by reference, at no cost, to any person who receives this prospectus supplement and the accompanying prospectus. To request a copy of any or all of these documents, you should write or telephone us at MATAM Advanced Technology Park, Building No. 5, Haifa, L3 31905, Israel, Attention: Yaky Yanay, tel.: 011-972-74-710-8607.

#### **PROSPECTUS**

\$200,000,000 Common Stock Preferred Stock Warrants Units

We may from time to time sell common stock, preferred stock and warrants to purchase common stock, and units of two or more of such securities, in one or more offerings for an aggregate initial offering price of \$200,000,000. We refer to the common stock, the preferred stock, the warrants to purchase common stock and the units collectively as the securities. This prospectus describes the general manner in which our securities may be offered using this prospectus. Other than in connection with the exercise of certain outstanding warrants, we will specify in an accompanying prospectus supplement the terms of the securities to be offered and sold. We may sell these securities to or through underwriters or dealers, directly to purchasers or through agents. We will set forth the names of any underwriters, dealers or agents in an accompanying prospectus supplement. You should carefully read this prospectus and any accompanying supplements before you decide to invest in any of these securities.

Our common stock is traded on the NASDAQ Capital Market, or Nasdaq, under the symbol "PSTI" and on the Tel Aviv Stock Exchange under the symbol "PLTR."

Investing in our securities involves risks. See "Risk Factors" on page 2 of this prospectus.

Neither the Securities and Exchange Commission, or the SEC, nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is October 30, 2014.

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You should rely only on the information contained in this prospectus, any prospectus supplement and the documents incorporated by reference herein or therein, or to which we have referred you. We have not authorized anyone to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. This prospectus and any prospectus supplement do not constitute an offer to sell, or a solicitation of an offer to purchase, the securities offered by this prospectus and any prospectus supplement in any jurisdiction to or from any person to whom or from whom it is unlawful to make such offer or solicitation of an offer in such jurisdiction. You should not assume that the information contained in this prospectus, any prospectus supplement or any document incorporated by reference is accurate as of any date other than the date indicated in the applicable document.

Neither the delivery of this prospectus nor any distribution of securities pursuant to this prospectus shall, under any circumstances, create any implication that there has been no change in the information set forth or incorporated by reference into this prospectus or in our affairs since the date of this prospectus. Our business, financial condition, results of operations and prospects may have changed since that date.

Our name and logo and the names of our products are our trademarks or registered trademarks. Unless the context otherwise requires, references in this prospectus to "Pluristem," "we," "us," and "our" refer to Pluristem Therapeutics Inc. and its subsidiary as required by the context.

#### **ABOUT THIS PROSPECTUS**

This prospectus is part of a registration statement that we filed with the SEC using a "shelf" registration process. Under this shelf registration process, we may, from time to time, sell any combination of the securities described in this prospectus in one or more offerings up to a total dollar amount of \$200,000,000. This prospectus describes the securities we may offer and the general manner in which our securities may be offered by this prospectus. Each time we sell securities (other than in connection with the exercise of certain outstanding warrants), we will provide a prospectus supplement that will contain specific information about the terms of that offering. We may also add, update or change in the prospectus supplement any of the information contained in this prospectus. To the extent there is a conflict between the information contained in this prospectus and the prospectus supplement, you should rely on the information in the prospectus supplement, provided that if any statement in one of these documents is inconsistent with a statement in another document having a later date - for example, a document incorporated by reference in this prospectus or any prospectus supplement - the statement in the document having the later date modifies or supersedes the earlier statement.

#### **OUR COMPANY**

This summary highlights information contained in the documents incorporated herein by reference. Before making an investment decision, you should read the entire prospectus, and our other filings with the SEC, including those filings incorporated herein by reference, carefully, including the sections entitled "Risk Factors" and "Cautionary Note Regarding Forward-Looking Statements."

We are a bio-therapeutics company developing off-the-shelf allogeneic cell therapy products for the treatment of multiple ischemic and inflammatory conditions, with our lead indications focusing on cardiovascular, orthopedic, pulmonary, hematological, and women's health diseases. Our patented PLX (PLacental eXpanded) cells function as a platform that releases a number of therapeutic proteins in response to various local and systemic inflammatory and ischemic signals, generated by the patient's own body. PLX cells are grown using our proprietary 3D micro-environment technology that produces a product that requires no tissue matching prior to administration. Our strategy is to develop and produce cell therapy products for the treatment of multiple disorders using several methods of administration, such as intravenous and intramuscular injections. We plan to execute this strategy independently, using our own personnel, and through relationships with research and clinical institutions or in collaboration with other companies.

We were incorporated as a Nevada corporation in 2001. We have a wholly owned subsidiary in Israel called Pluristem Ltd. Our executive offices are located at MATAM Advanced Technology Park, Building No. 5, Haifa, Israel, our telephone number is 011 972 74 710 8759 and our website address is www.pluristem.com. This reference to our website is an inactive textual reference only, and is not a hyperlink. The information on our website is not incorporated by reference in this prospectus and should not be considered to be part of this prospectus. You should not consider the contents of our website in making an investment decision with respect to the securities.

#### RISK FACTORS

An investment in our securities involves significant risks. You should carefully consider the risk factors contained in any prospectus supplement and in our filings with the SEC, including our Annual Report on Form 10-K for the fiscal year ended June 30, 2014, as well as all of the information contained in this prospectus, any prospectus supplement and the other documents incorporated by reference herein or therein, before you decide to invest in our securities. Our business, prospects, financial condition and results of operations may be materially and adversely affected as a result of any of such risks. The value of our securities could decline as a result of any of these risks. You could lose all or part of your investment in our securities. The risks and uncertainties we have described are not the only ones we

face. Additional risks and uncertainties not presently known to us or that we currently deem immaterial may also affect our business, prospects, financial condition and results of operations.

#### CAUTIONARY NOTE REGARDING FORWARD-LOOKING INFORMATION

The statements contained in this prospectus, any prospectus supplement and the documents we incorporate by reference herein or therein that are not historical facts are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 and other federal securities laws. Such forward-looking statements may be identified by, among other things, the use of forward-looking terminology such as "believes," "intends," "plans," "expects," "may," "will," "should," or "anticipates" or the negative thereof or other variations thereon or comparable terminology, and similar expressions are intended to identify forward-looking statements. We remind readers that forward-looking statements are merely predictions and therefore inherently subject to uncertainties and other factors and involve known and unknown risks that could cause the actual results, performance, levels of activity, or our achievements, or industry results, to be materially different from any future results, performance, levels of activity, achievements or industry results, expressed or implied by such forward-looking statements. The factors discussed herein, including those risks described under the heading "Risk Factors" herein and in the documents we incorporate by reference, as well as those discussed elsewhere in this prospectus and any prospectus supplement could cause actual results and developments to be materially different from those expressed in or implied by such statements. In addition, historic results of scientific research, clinical and preclinical trials do not guarantee that the conclusions of future research or trials would not suggest different conclusions. Also, historic results referred to this prospectus, any prospectus supplement and the documents we incorporate by reference may be interpreted differently in light of additional research, clinical and preclinical trials results. Except as required by law we undertake no obligation to publicly update such forward-looking statements to reflect subsequent events or circumstances.

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#### **USE OF PROCEEDS**

Unless we otherwise indicate in an applicable prospectus supplement, we currently intend to use the net proceeds from the sale of the securities for research and product development activities, clinical trial activities, investment in capital equipment and for working capital and other general corporate purposes.

We may set forth additional information on the use of net proceeds from the sale of securities we offer under this prospectus in a prospectus supplement relating to the specific offering. Pending the application of the net proceeds, we intend to invest the net proceeds in bank deposits or investment-grade, interest-bearing securities subject to any investment policies our investment committee may determine from time to time.

#### THE SECURITIES WE MAY OFFER

The descriptions of the securities contained in this prospectus, together with any applicable prospectus supplement, summarize the material terms and provisions of the various types of securities that we may offer. We will describe in any applicable prospectus supplement relating to any securities the particular terms of the securities offered by that prospectus supplement. If we so indicate in any applicable prospectus supplement, the terms of the securities may differ from the terms we have summarized below. We may also include in any prospectus supplement information, where applicable, about material U.S. federal income tax consequences relating to the securities, and the securities exchange or market, if any, on which the securities will be listed.

We may sell from time to time, in one or more offerings, one or more of the following securities:

common stock;

preferred stock;

warrants to purchase common stock; and

units of two or more of the securities mentioned above.

The total initial offering price of all securities that we may issue in these offerings will not exceed \$200,000,000.

#### DESCRIPTION STOCK

The following summary is a description of the material terms of our share capital. We encourage you to read our Certificate of Incorporation, as amended, and Amended and Restated By-laws which have been filed with the SEC, as well as the applicable provisions of the Nevada Revised Statutes.

Our authorized capital stock currently consists of 200,000,000 shares of common stock, of which there were 69,580,644 shares outstanding as of September 27, 2014, and 10,000,000 shares of "blank check" preferred stock, none of which are outstanding. The following statements set forth the material terms of our capital stock; however, reference is made to the more detailed provisions of, and these statements are qualified in their entirety by reference to, our Articles of Incorporation and Bylaws, copies of which are referenced as exhibits herein, and the provisions of Nevada General Corporation Law. Except for our ability to issue additional securities, including preferred stock with terms that may be determined at a later date by our Board, there are no provisions in our Articles of Incorporation or Bylaws that would delay, defer or prevent a change in our control.

#### Common Stock

Except as otherwise required by applicable law and subject to the preferential rights of any outstanding preferred stock, all voting rights are vested in and exercised by the holders of common stock with each share of our common stock being entitled to one vote. In the event of liquidation, holders of the common stock are entitled to share ratably in the distribution of assets remaining after payment of liabilities, if any. Holders of the common stock have no cumulative voting rights and no preemptive or other rights to subscribe for shares. Holders of common stock are entitled to such dividends as may be declared by the Board of Directors out of funds legally available therefor.

#### Blank Check Preferred Stock

Our Board of Directors is empowered, without further action by stockholders, to issue from time to time one or more series of preferred stock, with such designations, rights, preferences and limitations as the Board may determine by resolution. The rights, preferences and limitations of separate series of preferred stock may differ with respect to such matters among such series as may be determined by the Board, including, without limitation, the rate of dividends, method and nature of payment of dividends, terms of redemption, amounts payable on liquidation, sinking fund provisions (if any), conversion rights (if any) and voting rights. Certain issuances of preferred stock may have the effect of delaying or preventing a change in control of our company that some stockholders may believe is not in their interest.

## Transfer Agent

American Stock Transfer and Trust Company, LLC is the registrar and transfer agent for our common shares. Their address is 6201 15th Avenue, 2nd Floor, Brooklyn, NY 11219, telephone: (718) 921-8261, (800) 937-5449.

#### Nevada Anti-Takeover Law

Nevada revised statutes sections 78.378 to 78.3793 provide state regulation over the acquisition of a controlling interest in certain Nevada corporations unless the articles of incorporation or bylaws of the corporation provide that the provisions of these sections do not apply. This statute currently does not apply to our Company because in order to be applicable we would have to have as shareholders a specified number of Nevada residents and we would have to do business in Nevada directly or through an affiliate.

#### **DESCRIPTION OF WARRANTS**

The following description, together with the additional information we may include in any applicable prospectus supplement, summarizes the material terms and provisions of the warrants that we may offer under this prospectus and the related warrant agreements and warrant certificates. While the terms summarized below will apply generally to any warrants that we may offer, we will describe the particular terms of any series of warrants (and any securities issuable upon exercise of such warrants) in more detail in the applicable prospectus supplement. If we so indicate in a prospectus supplement, the terms of any warrants offered under that prospectus supplement may differ from the terms we describe below. Specific warrant agreements will contain additional important terms and provisions and will be incorporated by reference as an exhibit to the registration statement.

#### General

We may issue warrants for the purchase of common stock in one or more series. We may issue warrants independently or together with common stock, and the warrants may be attached to or separate from the common stock.

We will evidence each series of warrants by warrant certificates that we will issue under a separate agreement or by warrant agreements that we will enter into directly with the purchasers of the warrants. If we evidence warrants by warrant certificates, we will enter into a warrant agreement with a warrant agent. We will indicate the name and address of the warrant agent, if any, in the applicable prospectus supplement relating to a particular series of warrants.

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We will describe in the applicable prospectus supplement the terms of the series of warrants, including:

the offering price and aggregate number of warrants offered;

the currency for which the warrants may be purchased or exercised;

if applicable, the terms of the common stock with which the warrants are issued and the number of warrants issued with such common stock;

if applicable, the date on and after which the warrants and the related common stock will be separately transferable;

the number of shares of common stock or other securities purchasable upon the exercise of one warrant and the price at which these shares may be purchased upon such exercise;

the manner in which the warrants may be exercised, which may include by cashless exercise;

the effect of any merger, consolidation, sale or other disposition of our business on the warrant agreement and the warrants;

the terms of any rights to redeem or call the warrants;

any provisions for changes to or adjustments in the exercise price or number of shares of common stock issuable upon exercise of the warrants;

the dates on which the right to exercise the warrants will commence and expire;

the manner in which the warrant agreement and warrants may be modified;

the material United States federal income tax consequences of holding or exercising the warrants;

the terms of the common stock issuable upon exercise of the warrants; and

any other specific terms, preferences, rights or limitations of or restrictions on the warrants.

Before exercising their warrants, holders of warrants will not have any of the rights of holders of the common stock purchasable upon such exercise, including the right to receive dividends, if any, or payments upon our liquidation, dissolution or winding up or to exercise voting rights, if any.

#### **Exercise of Warrants**

Each warrant will entitle the holder to purchase the number of shares of common stock that we specify in the applicable prospectus supplement at the exercise price that we describe in the applicable prospectus supplement. Unless we otherwise specify in the applicable prospectus supplement, holders of the warrants may exercise the warrants at any time up to 5:00 P.M., Eastern U.S. time, on the expiration date that we set forth in the applicable prospectus supplement. After the close of business on the expiration date, unexercised warrants will become void.

Holders of the warrants may exercise the warrants by delivering to the warrant agent or us the warrant certificate or warrant agreement representing the warrants to be exercised together with specified information, and by paying the required amount to the warrant agent or us in immediately available funds, as provided in the applicable prospectus supplement. We will set forth on the reverse side of the warrant certificate or in the warrant agreement and in the applicable prospectus supplement the information that the holder of the warrant will be required to deliver to the warrant agent or us in connection with such exercise.

Upon receipt of the required payment and the warrant certificate or the warrant agreement, as applicable, properly completed and duly executed at the corporate trust office of the warrant agent, if any, at our offices or at any other office indicated in the applicable prospectus supplement, we will issue and deliver the common stock or other securities purchasable upon such exercise. If fewer than all of the warrants represented by the warrant certificate or warrant agreement are exercised, then we will issue a new warrant certificate or warrant agreement for the remaining amount of warrants.

## Enforceability of Rights by Holders of Warrants

If we appoint a warrant agent, any warrant agent will act solely as our agent under the applicable warrant agreement and will not assume any obligation or relationship of agency or trust with any holder of any warrant. A single bank or trust company may act as warrant agent for more than one issue of warrants. A warrant agent will have no duty or responsibility in case of any default by us under the applicable warrant agreement or warrant, including any duty or responsibility to initiate any proceedings at law or otherwise, or to make any demand upon us. Any holder of a warrant may, without the consent of the related warrant agent or the holder of any other warrant, enforce by appropriate legal action its right to exercise, and receive the securities purchasable upon exercise of, its warrants.

# **Outstanding Warrants**

The shares of common stock registered under the registration statement of which this prospectus is a part include:

3,219,983 shares of common stock issuable upon exercise of warrants that were issued under our registration statement on Form S-3 declared effective on October 20, 2011 (Registration No. 333-177009). Such warrants were issued on September 19, 2012, have an exercise price of \$5.00 per share and expire on September 19, 2017.

5,060,000 shares of common stock issuable upon exercise of warrants that were issued under our registration statement on Form S-3 declared effective on January 11, 2011 (Registration No. 333-171334). Such warrants were issued on February 1, 2011, have an exercise price of \$4.20 per share and expire on August 1, 2016.

No prospectus supplement will be delivered in connection with the issuance of these shares of common stock pursuant to the exercise of such warrants.

#### **DESCRIPTION OF UNITS**

We may issue, in one or more series, units consisting of common stock, preferred stock and/or warrants for the purchase of common stock and/or preferred stock, in any combination. While the terms we have summarized below will apply generally to any units that we may offer under this prospectus, we will describe the particular terms of any series of units in more detail in the applicable prospectus supplement. The terms of any units offered under a prospectus supplement may differ from the terms described below.

We will file as exhibits to a prospectus supplement, or will incorporate by reference from reports that we file with the SEC, the form of unit agreement that describes the terms of the series of units we are offering, and any supplemental agreements, before the issuance of the related series of units. The following summaries of material terms and provisions of the units are subject to, and qualified in their entirety by reference to, all the provisions of the unit agreement and any supplemental agreements applicable to a particular series of units. We urge you to read the applicable prospectus supplement related to the particular series of units that we may offer under this prospectus and the complete unit agreement and any supplemental agreements that contain the terms of the units.

Each unit will be issued so that the holder of the unit is also the holder of each security included in the unit. Thus, the holder of a unit will have the rights and obligations of a holder of each included security. The unit agreement under which a unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time or at any time before a specified date.

We will describe in the applicable prospectus supplement the terms of the series of units, including:

the designation and terms of the units, including whether and under what circumstances the securities comprising the units may be held or transferred separately; and

any provisions for the issuance, payment, settlement, transfer or exchange of the units or the securities comprising the units.

The provisions described in this section, as well as those described under "Description of Capital Stock" and "Description of Warrants" will apply to each unit and to any common stock, preferred stock or warrant included in each unit, respectively.

We may issue units in such amounts and in such distinct series as we determine.

#### PLAN OF DISTRIBUTION

We may sell the securities being offered hereby in one or more of the following ways from time to time:

through agents to the public or to investors;

to one or more underwriters for resale to the public or to investors;

in "at the market offerings," within the meaning of Rule 415(a)(4) of the Securities Act, to or through a market maker or into an existing trading market, on an exchange or otherwise;

directly to investors in privately negotiated transactions;

directly to a purchaser pursuant to what is known as an "equity line of credit" as described below;

through a combination of these methods of sale; or

upon exercise of outstanding warrants.

The securities that we distribute by any of these methods may be sold, in one or more transactions, at:

a fixed price or prices, which may be changed;

market prices prevailing at the time of sale;

prices related to prevailing market prices; or

negotiated prices.

The accompanying prospectus supplement will describe the terms of the offering of our securities, including:

the name or names of any agents or underwriters;

any securities exchange or market on which the common stock may be listed;

the purchase price and commission, if any, to be paid in connection with the sale of the securities being offered and the proceeds we will receive from the sale;

any over-allotment options pursuant to which underwriters may purchase additional securities from us;

any underwriting discounts or agency fees and other items constituting underwriters' or agents' compensation;

any public offering price; and

any discounts or concessions allowed or reallowed or paid to dealers.

If underwriters are used in the sale, they will acquire the securities for their own account and may resell the securities from time to time in one or more transactions, including negotiated transactions, at a fixed public offering price or at

varying prices determined at the time of the sale. The obligations of the underwriters to purchase the securities will be subject to the conditions set forth in the applicable underwriting agreement. We may offer the securities to the public through underwriting syndicates represented by managing underwriters or by underwriters without a syndicate. Subject to certain conditions, the underwriters will be obligated to purchase all the securities offered by the prospectus supplement. We may change from time to time the public offering price and any discounts or concessions allowed or reallowed or paid to dealers.

If we use a dealer in the sale of the securities being offered pursuant to this prospectus or any prospectus supplement, we will sell the securities to the dealer, as principal. The dealer may then resell the securities to the public at varying prices to be determined by the dealer at the time of resale. The names of the dealers and the terms of the transaction will be specified in a prospectus supplement.

We may sell the securities directly or through agents we designate from time to time. We will name any agent involved in the offering and sale of securities and we will describe any commissions we will pay the agent in the prospectus supplement. Unless the prospectus supplement states otherwise, any agent will act on a best-efforts basis for the period of its appointment.

We may also sell securities pursuant to an "equity line of credit". In such event, we will enter into a common stock purchase agreement with the purchaser to be named therein, which will be described in a Current Report on Form 8-K that we will file with the SEC. In that Form 8-K, we will describe the total amount of securities that we may require the purchaser to purchase under the purchase agreement and the other terms of purchase, and any rights that the purchaser is granted to purchase securities from us. In addition to our issuance of shares of common stock to the equity line purchaser pursuant to the purchase agreement, this prospectus (and the applicable prospectus supplement or post-effective amendment) also covers the resale of those shares from time to time by the equity line purchaser to the public. The equity line purchaser will be considered an "underwriter" within the meaning of Section 2(a)(11) of the Securities Act. Its resales may be effected through a number of methods, including without limitation, ordinary brokerage transactions and transactions in which the broker solicits purchasers and block trades in which the broker or dealer so engaged will attempt to sell the shares as agent, but may position and resell a portion of the block as principal to facilitate the transaction. The equity line purchaser will be bound by various anti-manipulation rules of the SEC and may not, for example, engage in any stabilization activity in connection with its resales of our securities and may not bid for or purchase any of our securities or attempt to induce any person to purchase any of our securities other than as permitted under the Securities Exchange Act of 1934, as amended, or the Exchange Act.

We may sell our securities directly or through agents we designate from time to time. We will name any agent involved in the offering and sale of our common stock, and we will describe any commissions we will pay the agent in the prospectus supplement. Unless the prospectus supplement states otherwise, our agent will act on a best-efforts basis for the period of its appointment.

We may provide underwriters and agents with indemnification against civil liabilities related to offerings pursuant to this prospectus, including liabilities under the Securities Act, or contribution with respect to payments that the underwriters or agents may make with respect to these liabilities. Underwriters and agents may engage in transactions with, or perform services for, us in the ordinary course of business. We will describe such relationships in the prospectus supplement naming the underwriter or agent and the nature of any such relationship.

Rules of the SEC may limit the ability of any underwriters to bid for or purchase securities before the distribution of the shares of common stock is completed. However, underwriters may engage in the following activities in accordance with the rules:

Stabilizing transactions — Underwriters may make bids or purchases for the purpose of pegging, fixing or maintaining the price of the shares, so long as stabilizing bids do not exceed a specified maximum.

Options to purchase additional stock and syndicate covering transactions — Underwriters may sell more shares of our common stock than the number of shares that they have committed to purchase in any underwritten offering. This creates a short position for the underwriters. This short position may involve either "covered" short sales or "naked" short sales. Covered short sales are short sales made in an amount not greater than the underwriters' option to purchase additional shares in any underwritten offering. The underwriters may close out any covered

short position either by exercising their option or by purchasing shares in the open market. To determine how they will close the covered short position, the underwriters will consider, among other things, the price of shares available for purchase in the open market, as compared to the price at which they may purchase shares through their option. Naked short sales are short sales in excess of the option. The underwriters must close out any naked position by purchasing shares in the open market. A naked short position is more likely to be created if the underwriters are concerned that, in the open market after pricing, there may be downward pressure on the price of the shares that could adversely affect investors who purchase shares in the offering.

Penalty bids — If underwriters purchase shares in the open market in a stabilizing transaction or syndicate covering transaction, they may reclaim a selling concession from other underwriters and selling group members who sold those shares as part of the offering.

Similar to other purchase transactions, an underwriter's purchases to cover the syndicate short sales or to stabilize the market price of our common stock may have the effect of raising or maintaining the market price of our common stock or preventing or mitigating a decline in the market price of our common stock. As a result, the price of the shares of our common stock may be higher than the price that might otherwise exist in the open market. The imposition of a penalty bid might also have an effect on the price of shares if it discourages resales of the shares.

If commenced, the underwriters may discontinue any of these activities at any time.

Our common stock is traded on the NASDAQ Capital Market and on the Tel Aviv Stock Exchange. One or more underwriters may make a market in our common stock, but the underwriters will not be obligated to do so and may discontinue market making at any time without notice. We cannot give any assurance as to liquidity of the trading market for our common stock.

Any underwriters who are qualified market makers on the NASDAQ Capital Market may engage in passive market making transactions in that market in the common stock in accordance with Rule 103 of Regulation M, during the business day prior to the pricing of the offering, before the commencement of offers or sales of the common stock. Passive market makers must comply with applicable volume and price limitations and must be identified as passive market makers. In general, a passive market maker must display its bid at a price not in excess of the highest independent bid for such security; if all independent bids are lowered below the passive market maker's bid, however, the passive market maker's bid must then be lowered when certain purchase limits are exceeded.

In compliance with guidelines of the Financial Industry Regulatory Authority, or FINRA, the maximum commission or discount to be received by any FINRA member or independent broker dealer may not exceed 8% of the aggregate amount of the securities offered pursuant to this prospectus and any applicable prospectus supplement.

# **Exercise of Outstanding Warrants**

We will sell and deliver shares of our common stock directly to those holders who validly exercise certain warrants that were registered under a previous registration statement. No prospectus supplement will be delivered in connection with such transactions. See "Description of Warrants – Outstanding Warrants" on page 5 of this prospectus.

## **VALIDITY OF THE SECURITIES**

Zysman, Aharoni, Gayer and Sullivan & Worcester LLP, New York, New York, passed upon the validity of the securities offered hereby.

#### **EXPERTS**

The consolidated financial statements of Pluristem appearing in our Annual Report on Form 10-K for the fiscal year ended June 30, 2014, and the effectiveness of the internal control over financial reporting of Pluristem as of June 30, 2014, have been audited by Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global, independent registered public accounting firm, as set forth in their reports thereon, included therein, and incorporated herein by reference. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

#### WHERE YOU CAN FIND MORE INFORMATION

We are subject to the reporting and information requirements of the Exchange Act and as a result file periodic reports and other information with the SEC. These periodic reports and other information will be available for inspection and

copying at the SEC's public reference room and the website of the SEC referred to below.

We have filed a registration statement on Form S-3 under the Securities Act with the SEC with respect to the shares of our common stock, warrants, preferred stock and units offered through this prospectus. This prospectus is filed as a part of that registration statement and does not contain all of the information contained in the registration statement and exhibits. We refer you to our registration statement and each exhibit attached to it for a more complete description of matters involving us, and the statements we have made in this prospectus are qualified in their entirety by reference to these additional materials.

You may read and copy the reports and other information we file with the SEC at the SEC's Public Reference Room at 100 F Street, N.E., Washington D.C. 20549. You may also obtain copies of this information by mail from the public reference section of the SEC, 100 F Street, N.E., Washington, D.C. 20549, at prescribed rates. You may obtain information regarding the operation of the public reference room by calling the SEC at 1 (800) SEC-0330. The SEC also maintains a website that contains reports and other information about issuers, like us, who file electronically with the SEC. The address of that website is http://www.sec.gov. This reference to the SEC's website is an inactive textual reference only, and is not a hyperlink.

#### INCORPORATION OF DOCUMENTS BY REFERENCE

We are "incorporating by reference" certain documents we file with the SEC, which means that we can disclose important information to you by referring you to those documents. The information in the documents incorporated by reference is considered to be part of this prospectus. Statements contained in documents that we file with the SEC and that are incorporated by reference in this prospectus will automatically update and supersede information contained in this prospectus, including information in previously filed documents or reports that have been incorporated by reference in this prospectus, to the extent the new information differs from or is inconsistent with the old information.

We have filed or may file the following documents with the SEC. These documents are incorporated herein by reference as of their respective dates of filing:

Our Annual Report on Form 10-K for the fiscal year ended June 30, 2014, as filed with the SEC on September 11, 2014;

Our Current Report on Form 8-K, as filed with the SEC on September 11, 2014; and

The description of our common stock contained in our Registration Statement on Form 8-A, as filed with the SEC on December 10, 2007, including any amendments and reports filed for the purpose of updating such description.

All documents filed by us pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act until all of the securities to which this prospectus relates has been sold or the offering is otherwise terminated, except in each case for information contained in any such filing where we indicate that such information is being furnished and is not to be considered "filed" under the Exchange Act, will be deemed to be incorporated by reference in this prospectus and any accompanying prospectus supplement and to be a part hereof from the date of filing of such documents.

We will provide a copy of the documents we incorporate by reference, at no cost, to any person who receives this prospectus. To request a copy of any or all of these documents, you should write or telephone us at MATAM Advanced Technology Park, Building No. 5, Haifa, L3 31905, Israel, Attention: Boaz Gur-Lavie.

6,800,000 Shares Common Stock

Warrants to Purchase up to 4,080,000 Shares of Common Stock

PROSPECTUS SUPPLEMENT

Sole Placement Agent

Maxim Group LLC

June 25, 2015