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

**Form 10-Q**

(Mark One)

QUARTERLY REPORT UNDER SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended **December 31, 2013**

TRANSITION REPORT UNDER SECTION 13 OR 15(d) OF THE EXCHANGE ACT

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission file number **001-31392**

**PLURISTEM THERAPEUTICS INC.**

(Exact name of registrant as specified in its charter)

**Nevada**

(State or other jurisdiction of incorporation or organization)

**98-0351734**

(IRS Employer Identification No.)

**MATAM Advanced Technology Park, Building No. 5, Haifa, Israel 31905**

(Address of principal executive offices)

**011-972-74-7107171**

(Registrant's telephone number)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the past 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registration was required to submit and post such files).

Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Yes  No

State the number of shares outstanding of each of the issuer's classes of common stock as of the latest practicable date: 64,658,887 shares of common stock issued and outstanding as of January 24, 2014.

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PART I - FINANCIAL INFORMATION

**Item 1. Financial Statements.**

PLURISTEM THERAPEUTICS INC. AND ITS SUBSIDIARY  
INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS  
As of December 31, 2013  
(Unaudited)

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PLURISTEM THERAPEUTICS INC. AND ITS SUBSIDIARY  
INTERIM CONENSED CONSOLIDATED FINANCIAL STATEMENTS

As of December 31, 2013

U.S. DOLLARS IN THOUSANDS

(Unaudited)

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## INTERIM CONDENSED CONSOLIDATED BALANCE SHEETS

U.S. Dollars in thousands

	Note	December 31, 2013	June 30, 2013
		Unaudited	
<b>ASSETS</b>			
<b>CURRENT ASSETS:</b>			
Cash and cash equivalents		\$ 4,626	\$ 9,007
Short term bank deposits		23,345	31,449
Restricted cash and restricted short-term deposits		456	316
Marketable securities	3	28,776	13,441
Other current assets		1,198	872
<b>Total current assets</b>		<b>58,401</b>	<b>55,085</b>
<b>LONG-TERM ASSETS:</b>			
Long-term deposits and restricted deposits		317	421
Severance pay fund		1,135	905
Property and equipment, net		11,449	11,866
Other long-term assets		26	39
<b>Total long-term assets</b>		<b>12,927</b>	<b>13,231</b>
<b>Total assets</b>		<b>\$ 71,328</b>	<b>\$ 68,316</b>

The accompanying notes are an integral part of the unaudited interim condensed consolidated financial statements.

## INTERIM CONDENSED CONSOLIDATED BALANCE SHEETS

U.S. Dollars in thousands (except share and per share data)

	Note	December 31, 2013 Unaudited	June 30, 2013
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>			
<b>CURRENT LIABILITIES</b>			
Trade payables		\$ 2,711	\$ 2,837
Accrued expenses		902	1,040
Deferred revenues		379	379
Advance payment from United Therapeutics		297	393
Other accounts payable		1,290	1,272
<u>Total</u> current liabilities		<u>5,579</u>	<u>5,921</u>
<b>LONG-TERM LIABILITIES</b>			
Deferred revenues		3,036	3,226
Accrued severance pay		1,246	1,023
Other long-term liabilities		633	680
<u>Total</u> long-term liabilities		<u>4,915</u>	<u>4,929</u>
<b>COMMITMENTS AND CONTINGENCIES</b>			
<b>STOCKHOLDERS' EQUITY</b>			
Share capital:		6	
Common stock \$0.00001 par value:			
Authorized: 100,000,000 shares			
Issued and outstanding: 64,392,523 shares as of December 31, 2013, 59,196,617 shares as of June 30, 2013		-(*)	-(*)
Additional paid-in capital		158,038	144,109
Accumulated deficit		(98,362)	(86,902)
Other comprehensive income		1,158	259
<u>Total</u> stockholders' equity		<u>60,834</u>	<u>57,466</u>
<b>Total</b> liabilities and stockholders' equity		<b>\$ 71,328</b>	<b>\$ 68,316</b>

(\*) Less than \$1.

The accompanying notes are an integral part of the unaudited interim condensed consolidated financial statements.

## INTERIM CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (UNAUDITED)

U.S. Dollars in thousands (except share and per share data)

	Six months ended December 31,		Three months ended December 31,	
	2013 Unaudited	2012 Unaudited	2013 Unaudited	2012 Unaudited
Revenues	\$ 190	\$ 390	\$ 95	\$ 195
Cost of revenues	(6)	(12)	(3)	(6)
Gross profit	184	378	92	189
Research and development expenses	(11,604)	(7,894)	(6,107)	(4,146)
Less participation by the Office of the Chief Scientist and other parties	3,374	1,543	1,000	493
Research and development expenses, net	(8,230)	(6,351)	(5,107)	(3,653)
General and administrative expenses	(3,804)	(3,101)	(1,975)	(1,420)
Operating loss	(11,850)	(9,074)	(6,990)	(4,884)
Financial income, net	390	589	285	394
Net loss for the period	\$ (11,460)	\$ (8,485)	\$ (6,705)	\$ (4,490)
Loss per share:				
Basic and diluted net loss per share	\$ (0.19)	\$ (0.16)	\$ (0.11)	\$ (0.08)
Weighted average number of shares used in computing basic and diluted net loss per share	60,379,352	52,659,430	61,510,550	57,512,930

The accompanying notes are an integral part of the unaudited interim condensed consolidated financial statements.

## INTERIM CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (UNAUDITED)

U.S. Dollars in thousands

	Six months ended December 31,		Three months ended December 31,	
	2013	2012	2013	2012
Net loss	\$ (11,460)	\$ (8,485)	\$ (6,705)	\$ (4,490)
Other comprehensive income (loss), net:				
Unrealized gains on derivative instruments	36	-	36	-
Changes in unrealized gain on available-for-sale marketable securities	1,028	494	491	265
Reclassification adjustment of available-for-sale marketable securities gains realized in net loss	(165)	-	(23)	-
Other comprehensive income	899	494	504	265
Total comprehensive loss	<u>\$ (10,561)</u>	<u>\$ (7,991)</u>	<u>\$ (6,201)</u>	<u>\$ (4,225)</u>

The accompanying notes are an integral part of the unaudited interim condensed consolidated financial statements.

## INTERIM CONDENSED STATEMENTS OF CHANGES IN EQUITY (UNAUDITED)

U.S. Dollars in thousands (except share and per share data)

	Common Stock Shares	Common Stock Amount (*)	Additional Paid-in Capital	Accumulated Other Comprehensive Income (Loss)	Accumulated Deficit	Total Stockholders' Equity
<b>Balance as of July 1, 2012</b>	46,448,051	\$ (130)	103,619	\$ (65,747)	\$ 37,742	
Issuance of common stock and warrants related to September 2012 public offering, net of issuance costs of \$2,694	9,200,000	(*)	34,106	-	-	34,106
Exercise of options by employees and consultants	101,832	(*)	146	-	-	146
Exercise of warrants by investors and finders	1,473,670	(*)	1,679	-	-	1,679
Stock based compensation to employees, directors and non-employee consultants	1,108,403	(*)	1,962	-	-	1,962
Stock based compensation to contractor	-	-	1,400	-	-	1,400
Other comprehensive income, net	-	-	-	494	-	494
Net loss for the period	-	-	-	-	(8,485)	(8,485)
<b>Balance as of December 31, 2012</b>	<b>58,331,956</b>	<b>\$ 364</b>	<b>142,912</b>	<b>\$ (74,232)</b>	<b>\$ 69,044</b>	

(\*) Less than \$1

The accompanying notes are an integral part of the unaudited interim condensed consolidated financial statements.

## INTERIM CONDENSED STATEMENTS OF CHANGES IN EQUITY (UNAUDITED)

U.S. Dollars in thousands (except share and per share data)

	Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive Income	Accumulated Deficit	Total Stockholders' Equity
	Shares	Amount				
<b>Balance as of July 1, 2013</b>	59,196,617	\$ (*)	\$ 144,109	\$ 259	\$ (86,902)	\$ 57,466
Exercise of options and warrants by employees and consultants	7,405	(*)	-	-	-	-
Exercise of warrants by investors and finders	1,942,474	(*)	1,179	-	-	1,179
Stock based compensation to employees, directors and non-employee consultants	746,027	(*)	2,336	-	-	2,336
Issuance of common stock under CHA agreement (Note 1c)	2,500,000	(*)	10,414			10,414
Other comprehensive income, net	-	-	-	899	-	899
Net loss	-	-	-	-	(11,460)	(11,460)
<b>Balance as of December 31, 2013</b>	<b>64,392,523</b>	<b>\$ (*)</b>	<b>\$ 158,038</b>	<b>\$ 1,158</b>	<b>\$ (98,362)</b>	<b>\$ 60,834</b>

(\*) Less than \$1

The accompanying notes are an integral part of the unaudited interim condensed consolidated financial statements.

## INTERIM CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED)

U.S. Dollars in thousands

	Six months ended December 31,	
	2013	2012
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>		
Net loss	\$ (11,460)	\$ (8,485)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation	937	276
Loss on sale of property equipment	4	-
Impairment of property and equipment	31	-
Stock-based compensation to employees, directors and non-employee consultants	2,336	1,684
Stock compensation to investor relations consultants	-	278
Increase in other accounts receivable	(401)	(808)
Increase (decrease) in prepaid expenses	116	(577)
Decrease in trade payables	488	2,179
Increase in other accounts payable and accrued expenses	(167)	(48)
Decrease in deferred revenues	(190)	(389)
Decrease in advance payment from United Therapeutics	(96)	(977)
Linkage differences and Increase (decrease) interest on short and long-term deposit and restricted lease deposit	1	(102)
Accretion of discount, amortization of premium and changes in accrued interest from marketable securities	465	53
Loss (gain) from sale of investments of available-for-sale marketable securities	(164)	23
Accrued severance pay, net	(7)	3
Net cash used in operating activities	\$ (8,107)	\$ (6,890)
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>		
Purchase of property and equipment	\$ (1,169)	\$ (3,338)
Repayment of (Investment in) short-term deposits	7,961	(10,646)
Repayment of long-term deposits	(3)	521
Repayment of long-term restricted deposit	116	9
Proceeds from sale of available-for-sale marketable securities	2,963	459
Proceeds from redemption of available-for-sale marketable securities	583	304
Investment in available-for-sale marketable securities	(7,904)	(2,204)
Net cash provided by (used in) investing activities	\$ 2,547	\$ (14,895)

The accompanying notes are an integral part of the unaudited interim condensed consolidated financial statements.

## INTERIM CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED)

U.S. Dollars in thousands

	Six months ended December 31,	
	2013	2012
<b>CASH FLOWS FROM FINANCING ACTIVITIES:</b>		
Issuance of common stock and warrants, net of issuance costs	\$ -	\$ 34,106
Exercise of options and warrants	1,179	1,838
Net cash provided by financing activities	<u>\$ 1,179</u>	<u>\$ 35,944</u>
Increase (decrease) in cash and cash equivalents	(4,381)	14,159
Cash and cash equivalents at the beginning of the period	9,007	9,389
Cash and cash equivalents at the end of the period	<u>\$ 4,626</u>	<u>\$ 23,548</u>
<b>(a) Supplemental disclosure of cash flow activities:</b>		
Cash paid during the period for:		
Taxes paid due to non-deductible expenses	<u>\$ 35</u>	<u>\$ 3</u>
<b>(b) Supplemental disclosure of non-cash activities:</b>		
Purchase of property and equipment on credit	\$ 258	\$ 588
Issuance of common stock under CHA agreement (Note 1c)	<u>\$ 10,414</u>	<u>\$ -</u>
Stock based compensation to contractor	<u>\$ -</u>	<u>\$ 1,400</u>

The accompanying notes are an integral part of the unaudited interim condensed consolidated financial statements.

**NOTES TO INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS**

U.S. Dollars in thousands (except share and per share amounts)

**NOTE 1:GENERAL**

- a. Pluristem Therapeutics Inc., a Nevada corporation, was incorporated on May 11, 2001. Pluristem Therapeutics Inc. has a wholly owned subsidiary, Pluristem Ltd. (the "Subsidiary"), which is incorporated under the laws of the State of Israel. Pluristem Therapeutics Inc. and the Subsidiary are referred to as "Pluristem" or the "Company".
- b. The Company is a bio-therapeutics company developing standardized cell therapy products from human placenta for the treatment of multiple disorders. The Company has sustained operating losses and expects such losses to continue in the foreseeable future. The Company's accumulated losses aggregated to \$98,362 through December 31, 2013. The Company plans to continue to finance its operations with sales of equity securities, entering into licensing technology agreements such as the United Therapeutics Corporation ("United Therapeutics") and CHA Bio&Diostech ("CHA") agreements, and from grants to support its R&D activity. In the longer term, the Company plans to finance its operations from revenues from sales of products.
- c. License Agreements:

On June 19, 2011, the Subsidiary entered into an exclusive license agreement ("the License Agreement") with United Therapeutics for the use of its PLX cells to develop and commercialize a cell-based product for the treatment of Pulmonary Hypertension ("PAH"). The License Agreement provides that United Therapeutics will receive exclusive worldwide license rights for the development and commercialization of the Company's PLX cell-based product to treat PAH. The License Agreement provides for the following consideration payable to the Company: (i) an upfront payment of \$7,000 paid in August 2011, which includes a \$5,000 non-refundable upfront payment and a \$2,000 advance payment on the development; (ii) up to \$37,500 upon reaching certain regulatory milestones with respect to the development of a product to treat PAH; (iii) reimbursement of up to \$10,000 of certain of the Company expenses if the Company establishes a manufacturing facility in North America upon meeting certain status; (iv) reimbursement of certain costs in connection with the development of the product; and (v) following commercialization of the product, royalties and the purchase of commercial supplies of the developed product from the Company at a specified margin over the Company's cost. On August 2, 2011, the License Agreement became effective following the consent of the Office of the Chief Scientist of Israel ("OCS") within the Israeli Ministry of Economy. Revenues for the three and six month periods ended December 31, 2013 and 2012, are derived from the license agreement.

On June 26, 2013, the Subsidiary entered into an exclusive license and commercialization agreement (the "CHA Agreement") with CHA Bio&Diostech ("CHA"), for conducting clinical trials and commercialization of Pluristem's PLX-PAD product in South Korea in connection with two indications: the treatment of Critical Limb Ischemia, and Intermediate Claudication (the "Indications"). Under the terms of the CHA Agreement, CHA will receive exclusive rights in South Korea for conducting clinical trials with respect to the Indications, at the sole expense of CHA.

The first clinical study to be performed as part of the CHA Agreement will be a Phase II trial in Intermittent Claudication. This study was approved in November 2013 by South Korea's Ministry of Food and Drug Safety.

Upon the first regulatory approval for a PLX product in South Korea, Pluristem and CHA will establish a joint venture to be co-owned by the parties. The purpose of the joint venture will be to commercialize PLX cell products in South Korea. Additionally, Pluristem will be able to use the data generated by CHA to pursue the development of PLX product candidates outside of South Korea.

In December 2013, as part of the CHA Agreement, Pluristem and CHA executed the mutual investment pursuant to which Pluristem issued 2,500,000 shares of its common stock in consideration for 1,011,504 shares of CHA, which reflects total consideration to each of Pluristem and CHA of approximately \$10,414.

Each party has agreed to hold the other party's shares for at least one year before selling any of such shares. The parties also agreed to give an irrevocable proxy to the other party's management with respect to the voting power of the shares issued.

Investment in CHA shares are presented as "Marketable securities" and classified as available for sale (Note 3).

**NOTES TO INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS**

U.S. Dollars in thousands (except share and per share amounts)

**NOTE 2- BASIS OF PRESENTATION AND SIGNIFICANT ACCOUNTING POLICIES****a. Unaudited Interim Financial Information**

The accompanying unaudited interim condensed consolidated financial statements have been prepared in accordance with U.S. generally accepted accounting principles ("GAAP") for interim financial information and with the instructions to Form 10-Q and Article 10 of U.S. Securities and Exchange Commission Regulation S-X. Accordingly, they do not include all the information and footnotes required by GAAP for complete financial statements. In the opinion of management, all adjustments considered necessary for a fair presentation have been included (consisting only of normal recurring adjustments except as otherwise discussed).

For further information, reference is made to the consolidated financial statements and footnotes thereto included in the Company's Annual Report on Form 10-K for the year ended June 30, 2013.

Operating results for the three and six months periods ended December 31, 2013, are not necessarily indicative of the results that may be expected for the year ending June 30, 2014.

**b. Significant Accounting Policies**

The significant accounting policies followed in the preparation of these unaudited interim condensed consolidated financial statements are identical to those applied in the preparation of the latest annual financial statements.

**c. Use of estimates**

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

**d. Fair value of financial instruments**

The carrying amounts of the Company's financial instruments, including cash and cash equivalents, available-for-sale marketable securities, short-term deposits, trade payable and other accounts payable and accrued liabilities, approximate fair value because of their generally short term maturities.

The Company accounts for certain assets and liabilities at fair value under ASC 820, "Fair Value Measurements and Disclosures". Fair value is an exit price, representing the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants.

As such, fair value is a market-based measurement that should be determined based on assumptions that market participants would use in pricing an asset or a liability.

As a basis for considering such assumptions, ASC 820 establishes a three-tier value hierarchy, which prioritizes the inputs used in the valuation methodologies in measuring fair value:

**Level 1** - Observable inputs that reflect quoted prices (unadjusted) for identical assets or liabilities in active markets;

**NOTES TO INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS**

U.S. Dollars in thousands (except share and per share amounts)

**NOTE 2- BASIS OF PRESENTATION AND SIGNIFICANT ACCOUNTING POLICIES (CONT.)**

**Level 2** - Includes other inputs that are directly or indirectly observable in the marketplace, other than quoted prices included in Level 1, such as quoted prices for similar assets or liabilities in active markets, quoted prices for identical or similar assets or liabilities in markets with insufficient volume or infrequent transactions, or other inputs that are observable (model-derived valuations in which significant inputs are observable), or can be derived principally from or corroborated by observable market data; and

**Level 3** - Unobservable inputs which are supported by little or no market activity.

The fair value hierarchy also requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. The Company categorized each of its fair value measurements in one of these three levels of hierarchy.

Based on the fair value hierarchy, the Company classifies its marketable securities within Level 1 or Level 2. This is because the Company values its marketable securities using quoted market prices or alternative pricing sources and models utilizing market observable inputs. The Company classifies its foreign currency derivative instruments primarily within Level 2 as the valuation inputs are based on quoted prices and market observable data of similar instruments.

e. *Derivative financial instruments*

The Company uses forward contracts and options strategies ("derivative instruments") primarily to manage exposure to foreign currency. The Company accounts for derivatives and hedging based on ASC 815, "Derivatives and Hedging". ASC 815 requires the Company to recognize all derivative instruments as either assets or liabilities on the balance sheet at fair value. The accounting for changes in the fair value (i.e., gains or losses) of derivative instruments depends on whether it has been designated and qualifies as part of a hedging relationship and further, on the type of hedging relationship. For those derivative instruments that are designated and qualify as hedging instruments, the Company must designate the hedging instrument, based upon the exposure being hedged, as a fair value hedge, cash flow hedge, or a hedge of a net investment in a foreign operation. If the derivative instruments meet the definition of a hedge and are so designated, depending on the nature of the hedge, changes in the fair value of such derivatives will either be offset against the change in fair value of the hedged assets, liabilities, or firm commitments through earnings, or recognized in other comprehensive income until the hedged item is recognized in the statement of operations. The ineffective portion of a derivative's change in fair value is recognized in the statement of operations.

*Cash Flow Hedges.* The Company entered into forward contracts to hedge against the risk of overall changes in future cash flow from payments of payroll and related expenses denominated in Israeli Shekels. The gain or loss on the effective portion of a cash flow hedge is initially reported as a component of accumulated other comprehensive income and subsequently reclassified into operating expenses in the same period or periods in which the payroll and related expenses are recognized, or reclassified into "financial income, net" if the hedged transaction becomes probable of not occurring. Any gain or loss after a hedge is no longer designated, because it is no longer probable of occurring or it is related to an ineffective portion of a cash flow hedge is recognized in the statement of operations immediately. As of December 31, 2013, the Company had forward contracts in place to hedge future payroll and related expenses in Israeli Shekels of approximately \$2,000, and the net unrealized gain on the effective portion of these cash flow hedges was \$36. The forward contracts on the Company's future Israeli Shekels payroll and related expenses will settle by May 2014. On June 30, 2013, the Company did not have contracts designated and qualifies as cash flow hedge.

## NOTES TO INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

U.S. Dollars in thousands (except share and per share amounts)

## NOTE 2- BASIS OF PRESENTATION AND SIGNIFICANT ACCOUNTING POLICIES (CONT.)

*Other Derivatives.* Other derivatives that are non-designated consist primarily of options strategies to minimize the risk associated with the foreign exchange effects of monetary assets and liabilities denominated in Israeli Shekels. The net gains (losses) recognized in "financial income, net" during the three and six month periods ended December 31, 2013 and 2012, were (\$50), (\$57), \$189 and \$342, respectively.

## NOTE 3- MARKETABLE SECURITIES

As of December 31, 2013, all of the Company's marketable securities were classified as available-for-sale.

	December 31, 2013 (Unaudited)				June 30, 2013			
	Amortized cost	Gross unrealized gain	Gross unrealized loss	Fair value	Amortized cost	Gross unrealized gain	Gross unrealized loss	Fair value
<b>Available-for-sale - matures within one year:</b>								
Stock and index linked notes	\$ 16,882	\$ 744	\$ (47)	\$ 17,579	\$ 4,023	\$ 234	\$ (180)	\$ 4,077
Government debentures - fixed interest rate	103	-	-	103	329	21	-	350
Corporate debentures - fixed interest rate	274	30	-	304	508	30	(9)	529
	<u>\$ 17,259</u>	<u>\$ 774</u>	<u>\$ (47)</u>	<u>\$ 17,986</u>	<u>\$ 4,860</u>	<u>\$ 285</u>	<u>\$ (189)</u>	<u>\$ 4,956</u>
<b>Available-for-sale - matures after one year through five years:</b>								
Government debentures - fixed interest rate	2,883	91	(3)	2,971	1,602	49	(12)	1,639
Corporate debentures - fixed interest rate	5,739	277	(54)	5,962	4,976	162	(77)	5,061
	<u>\$ 8,622</u>	<u>\$ 368</u>	<u>\$ (57)</u>	<u>\$ 8,933</u>	<u>\$ 6,578</u>	<u>\$ 211</u>	<u>\$ (89)</u>	<u>\$ 6,700</u>
<b>Available-for-sale - matures after five years through ten years:</b>								
Government debentures - fixed interest rate	\$ 625	\$ 39	\$ (5)	\$ 659	\$ 955	\$ 45	\$ (14)	\$ 986
Corporate debentures - fixed interest rate	1,148	56	(6)	1,198	789	29	(19)	799
	<u>\$ 1,773</u>	<u>\$ 95</u>	<u>\$ (11)</u>	<u>\$ 1,857</u>	<u>\$ 1,744</u>	<u>\$ 74</u>	<u>\$ (33)</u>	<u>\$ 1,785</u>
	<u><u>\$ 27,654</u></u>	<u><u>\$ 1,237</u></u>	<u><u>\$ (115)</u></u>	<u><u>\$ 28,776</u></u>	<u><u>\$ 13,182</u></u>	<u><u>\$ 570</u></u>	<u><u>\$ (311)</u></u>	<u><u>\$ 13,441</u></u>

The following table presents gross unrealized losses and fair values for those investments that were in an unrealized loss position as of December 31, 2013 and June 30, 2013, and the length of time that those investments have been in a continuous loss position:

	Less than 12 months		12 months or greater	
	Fair Value	Gross unrealized loss		
			Fair Value	Gross unrealized loss
As of December 31, 2013 (Unaudited)	\$ 3,450	\$ (108)	\$ 34	\$ (7)
As of June 30, 2013	\$ 5,122	\$ (302)	\$ 32	\$ (9)

**NOTES TO INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS**

U.S. Dollars in thousands (except share and per share amounts)

**NOTE 3:- MARKETABLE SECURITIES (CONT.)**

The Company typically invests in highly-rated securities. When evaluating the investments for other-than-temporary impairment, the Company reviews factors such as the length of time and extent to which fair value has been below cost basis, the financial condition of the issuer and any changes thereto, and the Company's intent to sell, or whether it is more likely than not it will be required to sell, the investment before recovery of the investment's amortized cost basis. Based on the above factors, the Company concluded that unrealized losses on all available-for-sale securities were not other-than-temporary and no credit loss was present for any of its investments. As such, the Company did not recognize any impairment charges on outstanding securities during the three and six month periods ended December 31, 2013.

**NOTE 4:- FAIR VALUE OF FINANCIAL INSTRUMENTS**

	December 31, 2013 (Unaudited)		June 30, 2013	
	Level 1	Level 2	Level 1	Level 2
Marketable securities	\$ 18,010	\$ 10,776	\$ 6,311	\$ 7,130
Foreign currency derivative instruments	-	76	-	93
<b>Total financial assets</b>	<b>\$ 18,010</b>	<b>\$ 10,852</b>	<b>\$ 6,311</b>	<b>\$ 7,223</b>

  

	December 31, 2013 (Unaudited)		June 30, 2013	
	Balance Sheet location	Fair Value	Balance Sheet location	Fair Value
Derivatives designated as hedging instruments	Other current assets	\$ 40	-	\$ -
Derivatives not designated as hedging instruments	Other current assets	36	Other current assets	93
<b>Total</b>		<b>\$ 76</b>		<b>\$ 93</b>

**NOTE 5: - COMMITMENTS AND CONTINGENCIES**

Commitments and contingencies that changed during the six months ended December 31, 2013 include the following:

Increase in the amount of \$33 of cash pledged by the Company to secure its hedging transactions, credit line and bank guarantees.

The Company, through its Israeli subsidiary, participated in programs sponsored by the Israeli Government for the support of research and development activities. Through December 31, 2013, the Company had obtained grants from the Office of the Chief Scientist ("OCS") aggregating to approximately \$13,891 for certain of its research and development projects. The Company is obligated to pay royalties to the OCS, amounting to 3%-4% of the sales of the products and other related revenues generated from such projects, up to 100% of the grants received, linked to the U.S. dollars and for grants received after January 1, 1999, also bearing interest at the rate of LIBOR. The obligation to pay these royalties is contingent on actual revenues and in the absence of such revenues no payment is required.

Through December 31, 2013, the Company has paid or accrued royalties to the OCS in the amount of \$47. As of December 31, 2013, the aggregate contingent liability to the OCS amounted to \$13,844.

**NOTES TO INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS**

U.S. Dollars in thousands (except share and per share amounts)

**NOTE 6: - STOCKHOLDERS' EQUITY**

From July 2013 through December 2013, a total of 1,685,154 warrants were exercised via "cashless" exercise, resulting in the issuance of 1,023,474 shares of common stock to investors of the Company. In addition, 919,000 warrants were exercised for cash and resulted in the issuance of 919,000 shares of common stock to investors of the Company. The aggregate cash consideration received was \$1,179. In August 2013, a total of 15,000 warrants were exercised via a "cashless" exercise, resulting in the issuance of 5,905 shares of common stock to a consultant of the Company. Additionally, in October 2013, 1,500 options were exercised by a consultant, resulting in an issuance of 1,500 shares of common stock.

**a. Options, warrants and restricted stock units to employees, directors and consultants:****1. Options to employees and directors:**

The Company has approved two incentive option plans from 2003 and from 2005 (the "2003 Plan" and the "2005 Plan", and collectively, the "Plans").

The Company accounted for its options to employees and directors in accordance with ASC 718, "Compensation — Stock Compensation". A summary of the Company's share option activity for options granted to employees and directors under the Plans is as follows:

	Six months ended December 31, 2013 (Unaudited)			
	Number	Weighted Average Exercise Price	Remaining Contractual Terms (in years)	Aggregate Intrinsic Value Price
Options outstanding at beginning of period	1,958,156	\$ 4.01		
Options forfeited	(81,057)	\$ 11.59		
Options outstanding at end of the period	1,877,099	\$ 3.70	3.63	\$ 1,273
Options exercisable at the end of the period	1,877,099	\$ 3.70	3.63	\$ 1,273
Options vested	1,877,099	\$ 3.70	3.63	\$ 1,273

Intrinsic value of exercisable options (the difference between the Company's closing stock price on the last trading day in the period and the exercise price, multiplied by the number of in-the-money options) represents the amount that would have been received by the employees and directors option holders had all option holders exercised their options on December 31, 2013. This amount changes based on the fair market value of the Company's common stock.

## NOTES TO INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

U.S. Dollars in thousands (except share and per share amounts)

## NOTE 6: - STOCKHOLDERS' EQUITY (CONT.)

## a. Options, warrants and restricted stock units to employees, directors and consultants (cont.):

## 2. Options and warrants to non-employees:

A summary of the Company's activity related to options and warrants to consultants is as follows:

	Six months ended December 31, 2013 (Unaudited)			
	Number	Weighted Average Exercise Price	Remaining Contractual Terms (in years)	Aggregate Intrinsic Value Price
Options and warrants outstanding at beginning of period	315,500	\$ 4.40		
Options and warrants exercised	(16,500)	\$ 1.74		
Options and warrants outstanding at end of the period	299,000	\$ 4.59	3.70	\$ 484
Options and warrants exercisable at the end of the period	299,000	\$ 4.59	3.70	\$ 484
Options and warrants vested and expected to vest	299,000	\$ 4.59	3.70	\$ 494

Compensation expenses related to options and warrants granted to consultants were recorded as follows:

	Six months ended December 31,		Three months ended December 31,	
	2013	2012	2013	2012
Research and development expenses	\$ 2	\$ -	\$ -	\$ -
General and administrative expenses	-	21	-	3

## NOTES TO INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

U.S. Dollars in thousands (except share and per share amounts)

## NOTE 6: - STOCKHOLDERS' EQUITY (CONT.)

## a. Options, warrants and restricted stock units to employees, directors and consultants (cont.):

## 3. Restricted stock units to employees and directors:

During the six month period ended December 31, 2013, the Company granted restricted stock units to several of the Company's employees and directors.

The following table summarizes the activities for unvested restricted stock units granted to employees and directors for the six months ended December 31, 2013 (Unaudited):

	Number
Unvested at the beginning of period	1,660,525
Granted	695,000
Forfeited	(32,573)
Vested	(746,027)
Unvested at the end of the period	1,576,925
Expected to vest after December 31, 2013	1,569,216

Compensation expenses related to restricted stock units granted to employees and directors were recorded as follows:

	Six months ended December 31,		Three months ended December 31,	
	2013	2012	2013	2012
Research and development expenses	\$ 214	\$ 481	\$ 88	\$ 164
General and administrative expenses	2,103	1,028	1,055	420
	<u>\$ 2,317</u>	<u>\$ 1,509</u>	<u>\$ 1,143</u>	<u>\$ 584</u>

Future expenses related to restricted stock units granted to employees and directors for an average time of approximately 2 years is \$3,716.

**NOTES TO INTERIM CONDENSED CONSOLIDATED FINANCIAL STATEMENTS**

U.S. Dollars in thousands (except share and per share amounts)

**NOTE 6: - STOCKHOLDERS' EQUITY (CONT.)****a. Options, warrants, restricted stock and restricted stock units to employees, directors and consultants (cont.):****4. Restricted stock units to consultants:**

During the six month period ended December 31, 2013, the Company granted restricted stock units to several consultants and service providers.

The following table summarizes the activities for unvested restricted stock units granted to consultants for the six months ended December 31, 2013:

	<u>Number</u>
Unvested at the beginning of period	-
Granted	29,160
Forfeited	-
Vested	-
Unvested at the end of the period	29,160
Expected to vest after December 31, 2013	<u>29,160</u>

Compensation expenses related to restricted stock units granted to consultants were recorded as follows:

	Six months ended December 31,		Three months ended December 31,	
	2013	2012	2013	2012
Research and development expenses	\$ 17	\$ 154	\$ 16	\$ 34
General and administrative expenses	-	278	-	5
	<u>\$ 17</u>	<u>\$ 432</u>	<u>\$ 16</u>	<u>\$ 39</u>

**Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations.**

**Forward - Looking Statements**

This quarterly report on Form 10-Q contains certain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and other Federal securities laws, and is subject to the safe-harbor created by such Act and laws. Forward-looking statements may include statements regarding our goals, beliefs, strategies, objectives, plans, including product and technology developments, future financial conditions, results or projections or current expectations. In some cases, you can identify forward-looking statements by terminology such as "may," "will," "should," "expect," "intend," "plan," "anticipate," "believe," "estimate," "predict," "potential" or "continue," the negative of such terms, or other variations thereon or comparable terminology. These statements are merely predictions and therefore inherently subject to known and unknown risks, uncertainties, assumptions and other factors that may cause actual results, performance levels of activity, or our achievements, or industry results to be materially different from those contemplated by the forward-looking statements. Such forward-looking statements appear in this Item 2 – "Management's Discussion and Analysis of Financial Condition and Results of Operations," and may appear elsewhere in this quarterly report on Form 10-Q and include, but are not limited to, 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 Therapeutics Corporation (United) and CHA Bio&Diostech (CHA) (United Agreement and CHA Agreement, respectively) and clinical trials to be conducted according to such agreements;
- the prospects of entering into additional license agreements, or other forms of cooperation with other companies and medical institutions;
- achieving regulatory approvals;
- consummation of comparability study for our new manufacturing facility.;
- developing capabilities for new clinical indications of placenta expanded cells (PLX);
- the potential market demand for our products;
- the implications of the clinical hold notification provided by the U.S. Food and Drug Administration (FDA) in June 2013 (Clinical Hold), which has been lifted since then;
- our expectations regarding our short- and long-term capital requirements;
- 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.

Our business and operations are subject to substantial risks, which increase the uncertainty inherent in the forward-looking statements contained in this report. Except as required by law, we undertake no obligation to release publicly the result of any revision to these forward-looking statements that may be made to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events. Further information on potential factors that could affect our business is described under the heading "Risk Factors" in Part I, Item 1A of our Annual Report on Form 10-K for the fiscal year ended June 30, 2013. Readers are also urged to carefully review and consider the various disclosures we have made in that report.

As used in this quarterly report, the terms "we", "us", "our", the "Company" and "Pluristem" mean Pluristem Therapeutics Inc. and our wholly owned subsidiary, Pluristem Ltd., unless otherwise indicated or as otherwise required by the context.

## Overview

We are a bio-therapeutics company developing standardized cell therapy products for the treatment of a variety of local and systemic diseases. Our patented PLX (PLacental eXpanded) cells function as a drug delivery platform that releases a number of therapeutic proteins in response to various local and systemic inflammatory and ischemic signals generated by the patient. PLX cells are grown using our proprietary 3D micro-environment technology that produces an “off-the-shelf” product that requires no tissue matching prior to administration.

We were incorporated as a Nevada corporation in 2001. We have a wholly owned research and development subsidiary in Israel called Pluristem Ltd. We operate in one segment, namely, the research, development and commercialization of cell therapeutics and related technologies.

Our strategy is to develop and produce cell therapy products for the treatment of multiple disorders using several methods of administration. 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, such as United and CHA. We have built our own Good Manufacturing Practices facility and we are planning to have in-house production capacity to grow clinical grade PLX cells in commercial quantities and to control all of our proprietary manufacturing processes.

## RESULTS OF OPERATIONS – SIX AND THREE MONTHS ENDED DECEMBER 31, 2013 COMPARED TO SIX AND THREE MONTHS ENDED DECEMBER 31, 2012.

### Revenues

Revenues for the six months ended December 31, 2013 were \$190,000 as compared to revenues of \$390,000 for the six months ended December 31, 2012. All such revenues are derived from the United Agreement.

Revenues for the three months ended December 31, 2013 were \$95,000 as compared to revenues \$195,000 for three months ended December 31, 2011. All such revenues are derived from the United Agreement.

This reduction is a result of re-evaluation we did for the development period under the United Agreement. In June 2013, we received notification from the FDA that our United States phase II Intermittent Claudication study had been placed on Clinical Hold due to a serious allergic reaction in a case which required hospitalization. In September 2013, the FDA lifted the Clinical Hold. In June 2013, following the Clinical Hold, we extended the development period for which we received funds from United from 6.5 years to 11.5 years. The license fee will be recognized on a straight line basis as revenue over the estimated development period.

### Research and Development net

Research and development net costs (costs less participation and grants by the Office of the Chief Scientist of Israel (OCS) and other parties) for the six months ended December 31, 2013 increased by 30% from \$6,351,000 for the six months ended December 31, 2012 to \$8,230,000. This increase is attributed to the material increase in our in-house research and development activity, increase in our salaries due to, among other things, an increase of 47 employees as compared to the average number of employees in the six months ended December 2012 and an increase in our depreciation expenses, offset by an increase in OCS participation. This increase in OCS participation is attributable to the fact that due to a delay in the approval of the OCS grant for 2013, we recognized \$3,273,000 through the six months ended December 31, 2013 compared to \$1,525,000 through the six months ended December 31, 2012.

Research and development net costs (costs less participation and grants by the OCS and other parties), for the three months ended December 31, 2013 increased by 40% from \$3,653,000 for the three months ended December 31, 2012 to \$5,107,000. This increase is attributed to a material increase in our in-house research and development activity, increase in our salaries due to, among other things, an increase of 42 employees as compared to the average number of employees in the three months ended December 2012 and an increase in our depreciation expenses.

### General and Administrative

General and administrative expenses for the six months ended December 31, 2013 increased by 23% from \$3,101,000 for the six months ended December 31, 2012 to \$3,804,000 mainly due to an increase in stock-based compensation expenses related to our employees, directors and officers, and an increase in salaries due to, among other things, hiring 4 new employees since December 2012, offset by a decrease in stock-based compensation expenses to investor relations consultants and a decrease in registration and advisory fees.

General and administrative expenses for the three months ended December 31, 2013 increased by 39% from \$1,420,000 for the three months ended December 31, 2012 to \$1,975,000 mainly due to an increase in stock-based compensation expenses related to our employees, directors and officers, and an increase in salaries due to, among other things, hiring 4 new employees since December 2012, offset by a decrease in registration fees.

#### **Financial Income, net**

Financial income decreased by 34% from \$589,000 for the six months ended December 31, 2012 to \$390,000 for the six months ended December 31, 2013 mainly due to changes in the fair value of our derivatives, offset by an increase in income from exchange rate adjustments. In November 2013, we entered into forward contracts to hedge against the risk of overall changes in future cash flow from payments of payroll and related expenses denominated in Israeli Shekels. Changes in the fair value of the forward contracts which were designated to hedge payroll payments in the amount of \$36,000 were recognized as other comprehensive income.

Financial income decreased by 28% from \$394,000 for the three months ended December 31, 2012 to \$285,000 for the three months ended December 31, 2013 mainly due to changes in the fair value of our derivatives. Such changes in fair value of such derivatives resulted in a net loss of \$50,000 for the three months ended December 31, 2013 compared with a net gain of \$189,000 for the three months ended December 31, 2012.

#### **Net Loss**

Net loss for the six and three months ended December 31, 2013 was \$11,460,000 and \$6,705,000, respectively, as compared to net loss of \$8,485,000 and \$4,490,000 for the six and three months ended December 31, 2012, respectively. Net loss per share for the six and three months ended December 31, 2013 was \$0.19 and \$0.11, respectively, as compared to \$0.16 and \$0.08 for the six and three months ended December 31, 2012.

For the six months ended December 31, 2013 and December 31, 2012, we had weighted average shares of common stock outstanding of 60,379,352 and 52,659,430, respectively, which were used in the computations of net loss per share for the six months. The increase in weighted average common shares outstanding reflects mainly shares issued to CHA in December 2013, as well as shares issued as a result of exercise of warrants and options and issuance of restricted stock units to employees and consultants.

#### **Liquidity and Capital Resources**

As of December 31, 2013, our total current assets were \$58,401,000 and total current liabilities were \$5,579,000. On December 31, 2013, we had a working capital surplus of \$52,822,000, stockholders' equity of \$60,834,000 and an accumulated deficit of \$98,362,000. We finance our operations and plan to continue doing so from our existing cash, licensing agreements, funds from grants from the OCS and issuances of our securities.

Cash and cash equivalents as of December 31, 2013 amounted to \$4,626,000, compared to \$23,548,000 as of December 31, 2012. Cash balances changed in the six months ended December 31, 2013 and December 31, 2012 for the reasons presented below.

Operating activities used cash of \$8,107,000 in the six months ended December 31, 2013, compared to \$6,890,000 for the six months ended December 31, 2012. Cash used in operating activities in the six months ended December 31, 2013 and 2012, primarily consisted of payments of salaries to our employees, and payments of fees to our consultants, subcontractors and professional services providers including costs of clinical studies, offset by an OCS grant.

Investing activities provided cash of \$2,547,000 in the six months ended December 31, 2013, compared to cash used of \$14,895,000 for the six months ended December 31, 2012. The investing activities in the six months ended December 31, 2013 consisted primarily of withdrawal of \$7,961,000 of short term deposits and proceeds of \$3,546,000 from the sale and redemption of marketable securities, offset by investing \$7,904,000 in marketable securities and the purchase of property and equipment in the amount of \$1,169,000. The investing activities in the six months ended December 31, 2012 consisted primarily of investing \$10,646,000 in short term deposits and \$2,204,000 in marketable securities and purchasing equipment and paying for the construction of our new facilities in the amount of \$3,338,000.

Financing activities generated cash of \$1,179,000 during the six months ended December 31, 2013, compared to \$35,944,000 for the six months ended December 31, 2012. The cash generated in the six months ended December 31, 2013 from financing activities is from exercises of warrants by shareholders. The cash generated in the six months ended September 30, 2012 from financing activities is primarily attributable to proceeds of \$34,106,000 from a public offering of our common stock.

During the six months period ended December 31, 2013, a total of 1,685,154 warrants were exercised via “cashless” exercise, resulting in the issuance of 1,023,474 shares of common stock to investors of the Company. In addition, 919,000 warrants were exercised for cash and resulted in the issuance of 919,000 shares of common stock to investors of the Company. The aggregate cash consideration received was \$1,179. In August 2013, a total of 15,000 warrants were exercised via a “cashless” exercise, resulting in the issuance of 5,905 shares of common stock to a consultant of the Company. Additionally, in October 2013, 1,500 options were exercised by a consultant, resulting in an issuance of 1,500 shares of common stock.

During the six months ended December 31, 2013, we received approximately \$3,027,000 from the OCS towards our research and development expenses. According to the OCS grant terms, we are required to pay royalties at a rate of 3% - 4% on sales of products and services derived from technology developed using this and other OCS grants until 100% of the dollar-linked grants amount plus interest are repaid. In the absence of such sales, no payment is required. During the six months ended December 31, 2013 we paid \$8,625 in royalties to the OCS.

As of today, the currency of our financial portfolio is mainly in U.S. dollars and we use forward and options contracts in order to hedge our exposures to currencies other than the U.S. dollar. For more information, please see Item 3. – “Quantitative and Qualitative Disclosures About Market Risk” below as well as Item 7A. - “Quantitative and Qualitative Disclosures About Market Risk” in our Annual Report of Form 10-K filed on September 11, 2013.

As provided for in the CHA Agreement, we issued to CHA 2,500,000 shares of our common stock in consideration for the issuance to us 1,011,504 common shares of CHA, which reflected total consideration of approximately \$10,414,000 to each of us and CHA. Each of us and CHA agreed to not to sell the other party's shares for at least one year. The parties also agreed to give an irrevocable proxy to the other party's management with respect to the shares issued.

Our investment in CHA shares is presented as “Marketable securities” on our balance sheet and classified as available for sale.

In December 2012, we entered into an At Market Issuance Sales Agreement (Sales Agreement) (ATM) with MLV & Co. LLC (MLV), which provides that, upon the terms and subject to the conditions and limitations set forth in the Sales Agreement, we may elect to issue and sell shares of our common stock having an aggregate offering price of up to \$95 million from time to time through MLV as our sales agent. We are not obligated to make any sales of common stock under the Sales Agreement. To date, we have not sold any common stock pursuant to the Sales Agreement.

#### **Outlook**

We have accumulated a deficit of \$98,362,000 since our inception in May 2001. We do not expect to generate any revenues from sales of products in the next twelve months. Our products will likely not be ready for sale for at least three years, if at all. Our cash needs will increase in the foreseeable future. We expect to generate revenues, which in the short and medium terms will unlikely exceed our costs of operations, from the sale of licenses to use our technology or products, as we have in the United Agreement. Our management believes that we may need to raise additional funds before we have cash flow from operations that can materially decrease our dependence on our existing cash and other liquidity resources. We are continually looking for sources of funding, including non-diluting sources such as the OCS grants, as well as using our ATM facility to raise funds, other sales of our common stock or sales of the marketable securities we hold.

We believe that we have sufficient cash to fund our operations for at least the next 12 months.

#### **Off Balance Sheet Arrangements**

We have no off balance sheet arrangements.

#### **Item 3. Quantitative and Qualitative Disclosures About Market Risk.**

We are exposed to a variety of risks, including changes in interest rates, foreign currency exchange rates, changes in the value of our marketable securities and inflation. The items discussed below update, the respective parts of Item 7A. - "Quantitative and Qualitative Disclosures About Market Risk" in our Annual Report of Form 10-K filed on September 11, 2013.

As of December 31, 2013, we had \$4.6 million in cash and cash equivalents, \$23.3 million in short-term bank deposits and \$28.8 million in marketable securities.

As a general matter, we adhere to an investment policy set by our investment committee which aims to preserve our financial assets, maintain adequate liquidity and maximize return while minimizing exposure to the Israeli Shekel. Such policy further provides that we should hold most of our current assets in bank deposits and the remainder of our current assets is to be invested in government bonds and a combination of corporate bonds and relatively low risk stocks. As of today, the currency of our financial portfolio is mainly in U.S. dollars and we use forward and options contracts in order to hedge our exposures to currencies other than the U.S. dollar. In addition, since November 2013 we have entered into forward contracts to hedge against the risk of overall changes in future cash flow from payments of payroll and related expenses denominated in Israeli Shekels. As of December 31, 2013, we had forward contracts in place to hedge future payroll and related expenses in Israeli Shekels of approximately \$2,000,000, and the net unrealized gain on the effective portion of these cash flow hedges was \$36,000. The forward contracts on our future Israeli Shekels payroll and related expenses will settle by May 2014.

As discussed above, we own 1,011,504 common shares of CHA, which are presented in our financial statements as marketable securities. We are exposed to changes in the value of CHA shares. We have not taken any steps to hedge our exposure to a decline in the price of CHA shares.

#### **Item 4. Controls and Procedures.**

**Evaluation of Disclosure Controls and Procedures** - We maintain a system of disclosure controls and procedures that are designed for the purposes of ensuring that information required to be disclosed in our SEC reports is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer, or CEO, and our Chief Financial Officer, or CFO, as appropriate to allow timely decisions regarding required disclosures.

As of the end of the period covered by this report, we carried out an evaluation, under the supervision and with the participation of our CEO and our CFO, of the effectiveness of our disclosure controls and procedures as defined in Rule 13a-15(e) of the Securities Exchange Act of 1934, as amended. Based on that evaluation, our CEO and CFO concluded that our disclosure controls and procedures are effective.

**Changes in Internal Control Over Financial Reporting** - There has been no change in our internal control over financial reporting during the second quarter of fiscal 2014 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

## PART II - OTHER INFORMATION

### Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.

In November 2013, we granted an aggregate of 44,160 restricted stock units to a consultant for services rendered and to a company controlled by one of our employees.

The above issuances and sales were exempt under Section 4(a)(2) of the Securities Act of 1933, as amended.

### Item 6. Exhibits.

- 31.1\* Rule 13a-14(a) Certification of Chief Executive Officer.
- 31.2\* Rule 13a-14(a) Certification of Chief Financial Officer.
- 32.1\*\* Certification of Chief Executive Officer pursuant to 18 U.S.C. Section 1350.
- 32.2\*\* Certification of Chief Financial Officer pursuant to 18 U.S.C. Section 1350.
- 101 \* The following materials from our Quarterly Report on Form 10-Q for the quarter ended December 31, 2013 formatted in XBRL (eXtensible Business Reporting Language): (i) the Consolidated Balance Sheets, (ii) the Consolidated Statements of Operations, (iii) the Consolidated Statements of Comprehensive Income (Loss), (iv) the Statements of Changes in Equity, (v) the Consolidated Statements of Cash Flows, and (vi) the Notes to Consolidated Financial Statements, tagged as blocks of text and in detail.

\*Filed herewith.

\*\* Furnished herewith.

**SIGNATURES**

In accordance with the requirements of the Exchange Act, the registrant caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

**PLURISTEM THERAPEUTICS INC.**

By: /s/ Zami Aberman

Zami Aberman, Chief Executive Officer  
(Principal Executive Officer)

Date: February 5, 2014

By: /s/ Boaz Gur-Lavie

Boaz Gur-Lavie, Chief Financial Officer and Secretary  
(Principal Financial Officer and Principal Accounting Officer)

Date: February 5, 2014

**CERTIFICATION**

I, Zami Aberman, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Pluristem Therapeutics Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13(a)-15(f) and 15d-15(f)) of the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 5, 2014

/s/ Zami Aberman

\_\_\_\_\_  
Zami Aberman  
President and Chief Executive Officer  
(Principal Executive Officer)

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**CERTIFICATION**

I, Boaz Gur-Lavie, certify that:

1. I have reviewed this quarterly report on Form 10-Q of Pluristem Therapeutics Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13(a)-15(f) and 15d-15(f)) of the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 5, 2014

/s/ Boaz Gur-Lavie

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Boaz Gur-Lavie  
Chief Financial Officer and Secretary  
(Principal Financial Officer)

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CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350

In connection with the Quarterly Report (the "Report") of Pluristem Therapeutics Inc. (the "Company") on Form 10-Q for the period ended December 31, 2013, as filed with the Securities and Exchange Commission on the date hereof, I, Zami Aberman, Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. 1350, as adopted pursuant to 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

1. The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: February 5, 2014

By: /s/ Zami Aberman

Zami Aberman  
Chief Executive Officer

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CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350

In connection with the Quarterly Report (the "Report") of Pluristem Therapeutics Inc. (the "Company") on Form 10-Q for the period ended December 31, 2013, as filed with the Securities and Exchange Commission on the date hereof, I, Boaz Gur-Lavie, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. 1350, as adopted pursuant to 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

1. The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: February 5, 2014

By: /s/ Boaz Gur-Lavie

Boaz Gur-Lavie  
Chief Financial Officer

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