FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* Aberman Zami 0001344740		Person*	2. Issuer Name and Ticker or Trading Symbol PLURISTEM THERAPEUTICS INC	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
			PSTI]	X	Director	10% Owner			
(Last)	Last) (First) (Middle)			X	Officer (give title	Other (specify			
46 HATAPUZ ST.		(imaais)	3. Date of Earliest Transaction (Month/Day/Year)		below)	below)			
			09/21/2014	CEO & Chairman					
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv	ridual or Joint/Group Filing	(Check Applicable			
TELMOND	L3	40600		X	Form filed by One Reporting Person				
(City)	(State)	(Zip)			Form filed by More than Person	One Reporting			

Table I – Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned											
1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code (Instr.		4. Securities Disposed Of 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
			Code	٧	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	
Common Stock	09/21/2014		P		2,500	A	\$2.94 ⁽¹⁾	1,747,798	D		
Common Stock	09/21/2014		P		2,500	A	\$2.97 ⁽²⁾	1,750,298	D		

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Table II – Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)															
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code (8)		of Deri Secu Acqu (A) o Disp of (D (Inst	Number of (Month/Day/Year) S Derivative Securities Acquired S		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

- 1. The purchase was effected on the Tel Aviv Stock Exchange in New Israeli Shekels (NIS) for per share purchase price of NIS 10.72, which per share purchase price has been reported on this Form 4 in U.S. dollars based on an exchange rate of NIS 3.643 per U.S. dollar.
- 2. The purchase was effected on the Tel Aviv Stock Exchange in New Israeli Shekels (NIS) for per share purchase price of NIS 10.83, which per share purchase price has been reported on this Form 4 in U.S. dollars based on an exchange rate of NIS 3.643 per U.S. dollar.

Remarks:

/s/ Zami Aberman

09/22/2014

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.