

FORM 4

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

OMB APPROVAL

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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* SHORRER DORON 0001268788 (Last) (First) (Middle) 33 KHORE HADOROT ST (Street) JERUSALEM L3 93393 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol PLURISTEM THERAPEUTICS INC [PSTI] 3. Date of Earliest Transaction (Month/Day/Year) 05/30/2016 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) ☒ Director 10% Owner Officer (give title below) Other (specify below) 6. Individual or Joint/Group Filing (Check Applicable Line) ☒ Form filed by One Reporting Person Form filed by More than One Reporting Person
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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. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction (s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	05/30/2016		S ⁽²⁾	12,346 D	\$1.5215 ⁽¹⁾	570,208 I	By Shorrer International Ltd

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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	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 sale was effected on the Tel Aviv Stock Exchange in New Israeli Shekels (NIS) for a per share sales price of NIS 5.85, which per share purchase price has been reported on this Form 4 in U.S. dollars based on an exchange rate of NIS 3.845 per U.S. dollar.
2. The reporting person's sale of 12,346 shares of PSTI common stock reported herein is matchable under Section 16(b) of the Securities Exchange Act of 1934, as amended, with the reporting person's purchase of 12,346 shares of PSTI common stock reported on February 17, 2016. The reporting person has paid PSTI, \$8,816.28 representing the full amount of the profit realized in connection with these short-swing transactions.

Remarks:

/s/ Doron Shorrer

** Signature of Reporting Person

06/06/2016

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.