

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

<p>1. Name and Address of Reporting Person*</p> <p><u>Egozi Erez 0001702742</u></p> <hr/> <p>(Last) (First) (Middle)</p> <p><u>MATAM ADVANCED TECHNOLOGY PARK BUILDING NO. 5</u></p> <hr/> <p>(Street)</p> <p><u>HAIFA L3 31905</u></p> <hr/> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement (Month/Day/Year)</p> <p><u>03/29/2017</u></p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p><u>PLURISTEM THERAPEUTICS INC [PSTI]</u></p> <hr/> <p>4. Relationship of Reporting Person (s) to Issuer</p> <p>(Check all applicable)</p> <table border="0"> <tr> <td>Director</td> <td>10% Owner</td> </tr> <tr> <td><input checked="" type="checkbox"/> Officer</td> <td>Other</td> </tr> <tr> <td>(give title below)</td> <td>(specify below)</td> </tr> <tr> <td><u>Chief Financial Officer</u></td> <td></td> </tr> </table> <p>5. If Amendment, Date of Original Filed (Month/Day/Year)</p> <p>6. Individual or Joint/Group Filing (Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person</p> <p><input type="checkbox"/> Form filed by More than One Reporting Person</p>	Director	10% Owner	<input checked="" type="checkbox"/> Officer	Other	(give title below)	(specify below)	<u>Chief Financial Officer</u>	
Director	10% Owner									
<input checked="" type="checkbox"/> Officer	Other									
(give title below)	(specify below)									
<u>Chief Financial Officer</u>										

Table I – Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock⁽¹⁾</u>	<u>128,000⁽¹⁾</u>	<u>D</u>	

Table II – Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

Explanation of Responses:

1. Includes 78,500 shares issuable upon vesting of Restricted Stock Units on various dates ranging from June 30, 2017 to December 31, 2018 or upon satisfaction of certain performance criteria.

Remarks:

/s/ Erez Egozi

** Signature of Reporting Person

04/06/2017

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 5(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.