

## 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* <b>YANAY YAKY</b> <hr/> (Last) (First) (Middle) <b>MATAM PARK, BUILDING #5</b> <hr/> (Street) <b>HAIFA L3 3508409</b> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>PLURISTEM THERAPEUTICS INC [ PSTI ]</b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>CEO &amp; President</b>
	3. Date of Earliest Transaction (Month/Day/Year) <b>09/10/2020</b>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

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)
			Code	V	Amount	(A) or (D)	Price			
Restricted Stock Units <sup>(1)</sup>	09/10/2020 <sup>(2)</sup>		A		500,000	A	\$0	925,304 <sup>(4)</sup>	D	
Restricted Stock Units <sup>(1)</sup>	09/10/2020 <sup>(3)</sup>		A		500,000	A	\$0	1,425,304 <sup>(4)</sup>	D	
Common Stock								6,650	I	By Yaacov Yanay Management 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		Date Exercisable	Expiration Date					

## Explanation of Responses:

- Each RSU represents a contingent right to receive one share of the Issuer's common stock.
- The shares vest over four years as follows: 12.5% shall vest on the 6 month anniversary of the date of grant and the remaining shares vest in 14 equal installments every 3 months thereafter.
- The shares vest in full upon milestone achievement of increasing market capitalization of the Issuer's common stock on the Nasdaq Capital Market to \$550 million within no more than 3 years from the date of grant.
- Such number of shares of common stock have been adjusted to reflect the reverse stock split that occurred on July 25, 2019.

## Remarks:

/s/ Yaky Yanay

\*\* Signature of Reporting Person

09/10/2020

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.