
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

FORM 8-K

CURRENT REPORT PURSUANT
TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934

Date of report (Date of earliest event reported): **May 19, 2011 (May 17, 2011)**

PLURISTEM THERAPEUTICS INC.

(Exact Name of Registrant as Specified in Its Charter)

Nevada

(State or Other Jurisdiction of Incorporation)

001-31392
(Commission File Number)

98-0351734
(IRS Employer Identification No.)

MATAM Advanced Technology Park
Building No. 20
Haifa, Israel

(Address of Principal Executive Offices)

31905

(Zip Code)

011 972 74 710 7171

(Registrant's Telephone Number, Including Area Code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.07. Submission of Matters to a Vote of Security Holders.

Pluristem Therapeutics Inc. (the "Company"), held its annual meeting of stockholders on May 17, 2011. Results of stockholder voting at the annual meeting are set forth below.

PROPOSAL NO. 1 — ELECTION OF DIRECTORS.

The stockholders elected the following individuals as Directors of the Company to hold office until the next annual meeting of shareholders and until their successors shall have been duly elected and qualified.

Director Name	For	Against	Abstain	Broker Non-Votes
Zami Aberman	12,153,803	1,934,237	83,091	0
Israel Ben-Yoram	13,820,986	17,379	332,766	0
Isaac Braun	13,822,966	15,399	332,766	0
Mark Germain	11,933,374	1,904,991	332,766	0
Hava Meretzki	13,355,179	572,749	243,203	0
Shai Pines	13,884,573	16,999	269,559	0
Nachum Rosman	12,189,990	1,648,415	332,726	0
Doron Shorrer	13,817,847	21,018	332,266	0

The results reported above are final voting results.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

PLURISTEM THERAPEUTICS INC.

Date: May 19, 2011

By: /s/ Yaky Yanay
 Name: Yaky Yanay
 Title: Chief Financial Officer