

PLURISTEM THERAPEUTICS INC  
Form 8-K  
February 29, 2012

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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): February 29, 2012

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))
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Item 7.01. Regulation FD Disclosure.

On February 29, 2012, the registrant issued a letter to its shareholders as of that date. The letter is furnished as Exhibit 99.1 to this Current Report on Form 8-K.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibits

99.1 – Letter to the shareholders of Pluristem Therapeutics Inc. dated February 29, 2012.

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: February 29, 2012

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