



N/A

*(Former name or former address, if changed since last report)*

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 7.01 Regulation FD Disclosure

On March 12, 2012, Brainstorm Cell Therapeutics Inc. (the “Company”) issued a press release announcing that it plans to initiate a preclinical study assessing the efficacy of the Company’s NurOwn™ stem cell technology in patients with Multiple Sclerosis (MS). Positive proof-of-concept results for MS have been confirmed in a set of *in-vitro* and *in-vivo* experiments, and the Company is working to advance MS into preclinical development in Q2 2012.

The press release is furnished herewith as Exhibit 99.1.

The information contained in this Current Report on Form 8-K and the exhibit attached hereto shall not be deemed to be “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of that section, nor shall such information or such exhibits be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing. The information set forth in or exhibits to this Form 8-K shall not be deemed an admission as to the materiality of any information in this report on Form 8-K.

Item 9.01 Financial Statements and Exhibits

The exhibit listed in the Exhibit Index below is filed with this report.

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.

March 12, 2012      Brainstorm Cell  
                                 Therapeutics Inc.

By:                    /s/ Liat  
                                 Sossover  
  
                                 Liat Sossover  
                                 Chief Financial  
                                 Officer

**EXHIBIT INDEX**

Exhibit No.	Description
99.1	Press Release dated March 12, 2012

4