
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 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 9, 2011

MELA Sciences, Inc.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

000-51481
(Commission
File Number)

13-3986004
(IRS Employer
Identification No.)

50 South Buckhout Street, Suite 1
Irvington, New York
(Address of principal executive offices)

10533
(Zip Code)

Registrant's telephone number, including area code **(914) 591-3783**

(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 (see General Instructions A.2. below):

- 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 8.01 — Other Events

On May 9, 2011 MELA Sciences, Inc. (the “Company”) submitted a Citizen Petition to the U.S. Food and Drug Administration (the “FDA”) requesting enforcement by the FDA Commissioner of the October 20, 2004 binding Protocol Agreement the Company entered into with the FDA, and that the FDA Commissioner require that the Company’s premarket approval application (the “PMA”) for its MelaFind® device is reviewed fairly and consistently with the FDA’s laws and regulations.

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.

MELA Sciences, Inc.

Date: May 9, 2011

By: /s/ Richard I. Steinhart

Chief Financial Officer
(Principal Financial Officer)