MICROFLUIDICS INTERNATIONAL CORP Form 8-K February 03, 2009

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: January 31, 2009 (Date of earliest event reported)

MICROFLUIDICS INTERNATIONAL CORPORATION

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation)

0-11625 (Commission File Number)

04-2793022 (IRS Employer Identification No.)

30 Ossipee Road

Newton, MA 02464

(Address of principal executive offices)

Telephone: (617) 969-5452

(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 (see General Instruction 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))

Item 5.02	Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers;
Compensatory Arrangem	ents of Certain Officers.

(b) On January 31, 2009, Dennis P. Riordan resigned as Controller of the Company. Mr. Riordan s resignation was effective January 31, 2009.

SIGNATURE

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.

Dated: February 3, 2009 MICROFLUIDICS INTERNATIONAL CORPORATION

By: /s/Brian E. LeClair

Name: Brian E. LeClair

Title: Executive Vice President and Chief Financial

Officer

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