

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: December 17, 2007
(Date of earliest event reported)

NOVELOS THERAPEUTICS, INC.
(Exact name of registrant as specified in its charter)

Delaware

*(State or other jurisdiction
of incorporation)*

333-119366

*(Commission
File Number)*

04-3321804

*(IRS Employer
Identification Number)*

**One Gateway Center, Suite 504
Newton, MA 02458**
(Address of principal executive offices)

(617) 244-1616

(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))
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Item 5.02 Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers

On December 17, 2007 the board of directors of Novelos Therapeutics, Inc. (the “Company” or “Novelos”) appointed Joanne M. Protano to the position of Vice President, Chief Financial Officer and Treasurer and appointed Kristin C. Schuhwerk to the position of Vice President of Clinical Development, Operations.

In connection with their appointments, Ms. Protano received an option to purchase 100,000 shares of the Company’s common stock and Ms. Schuhwerk received an option to purchase 125,000 shares of the Company’s common stock. Both options vest in equal annual installments over three years and have an exercise price of \$0.451 per share which represents the closing price of the Company’s common stock on December 17, 2007 as reported on the Over the Counter Bulletin Board.

Ms. Protano succeeds George Vaughn, principal of Vaughn & Associates, P.C., as Chief Financial Officer. Mr. Vaughn, who will continue to provide consulting services to the Company, has served as the Company’s Chief Financial Officer on a consulting basis from 2005 until the appointment of Ms. Protano.

Ms. Protano, 39, has held the position of Senior Director of Finance and Controller of the Company since June 2006. From 1996 to 2006, she held various management and senior management positions with Ascential Software, Inc. and predecessor companies including Assistant Controller, Reporting for Ascential Software, Vice President and Chief Financial Officer for the Ascential Software Division of Informix Software, Inc. and Corporate Controller of Ardent Software, Inc. Prior to her tenure in the technology industry, she was an audit manager with Deloitte and Touche LLP, where she practiced as a certified public accountant from 1990 to 1996.

Ms. Schuhwerk, 37, has been employed by the Company since July 2005 as Director/Senior Director of Operations. Prior to her employment at Novelos, she worked in the biopharmaceutical industry managing and overseeing business operations for multiple global Phase 2 and 3 clinical studies. From 2002 to 2005 she held the positions of Senior Project Manager and Director of Planning and Business Operations in Clinical Development at Antigenics, Inc., a cancer biotechnology company. From 1993 to 2002, she held research, project management and management positions at Boston University Medical Center, Parexel International, AstraZeneca and Brigham & Women’s Hospital.

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: December 20, 2007

NOVELOS THERAPEUTICS, INC.

By: /s/ Harry S. Palmin

Name: Harry S. Palmin

Title: President and Chief Executive Officer