
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): October 28, 2008

Protalix BioTherapeutics, Inc.

(Exact name of registrant as specified in its charter)

Florida
(State or other
jurisdiction of
incorporation)

000-27836
(Commission
File Number)

65-0643773
(IRS Employer
Identification No.)

**2 Snunit Street
Science Park
POB 455**

Carmiel, Israel 20100

(Address of principal executive offices) (Zip Code)

(Former Name or Former Address, if Changed Since Last Report)

Registrant's telephone number, including area code: +972-4-988-9488

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 7.01. Regulation FD Disclosure

On October 28, 2008, Protalix BioTherapeutics, Inc. (the “Company”) issued a press release announcing that Dr. David Aviezer, the Company’s President and Chief Executive Officer, will present at the 19th Annual Oppenheimer Healthcare Conference on Monday, November 3, 2008, at 4:00 PM EDT. The Company also announced that Dr. Aviezer will present at the Barclays Capital Small & Mid-Cap Healthcare Conference on Thursday, November 6, 2008, at 9:30 AM EDT. A copy of the press release is furnished as Exhibit 99.1 to this Report.

Audio webcasts of the presentations will be available on the Company’s website at www.protalix.com under the events calendar section.

Item 9.01. Financial Statements and Exhibits

(d) Exhibits

99.1 Press release dated October 28, 2008.

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.

PROTALIX BIOTHERAPEUTICS, INC.

Date: October 28, 2008

By: /s/ David Aviezer

Name: David Aviezer, Ph.D.

Title: President and Chief Executive Officer

Protalix BioTherapeutics to Present at to Present at Oppenheimer Annual Healthcare Conference and at Barclays Capital Small & Mid-Cap Health Care Conference

CARMIEL, Israel, October 28, 2008 (Business Wire) — Protalix BioTherapeutics, Inc. (Amex: PLX), announced today that Dr. David Aviezer, President and Chief Executive Officer, will present at the 19th Annual Oppenheimer Healthcare Conference on Monday, November 3, 2008, at 4:00 PM EDT. The conference is being held at the Waldorf Astoria Hotel in New York City.

Dr. David Aviezer will also be presenting at the Barclays Capital Small & Mid-Cap Healthcare Conference on Thursday, November 6, 2008, at 9:30 AM EDT. The conference is being held at the US headquarters of Barclays Capital in New York City.

Audio webcasts of the corporate presentations will be available on the Company's website at www.protalix.com under the events calendar section.

About Protalix BioTherapeutics

Protalix is a biopharmaceutical company. Its goal is to become a fully integrated biopharmaceutical company focused on the development and commercialization of proprietary recombinant therapeutic proteins to be expressed through its proprietary plant cell based expression system. Protalix's ProCellEx™ presents a proprietary method for the expression of recombinant proteins that Protalix believes is safe and scalable and will allow for the cost-effective, industrial-scale production of recombinant therapeutic proteins. Protalix is enrolling and treating patients in its pivotal phase III clinical trial in Israel, Europe the United States and other locations for its lead product candidate, prGCD, for its enzyme replacement therapy for Gaucher disease, a lysosomal storage disorder in humans, and has reached an agreement with the United States Food and Drug Administration on the final design of the pivotal phase III clinical trial through the FDA's Special Protocol Assessment (SPA) process. Protalix is also advancing additional recombinant biopharmaceutical drug development programs.

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