
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 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): April 18, 2018

BIO-PATH HOLDINGS, INC.
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

001-36333
(Commission File Number)

87-0652870
(IRS Employer
Identification No.)

4710 Bellaire Boulevard, Suite 210, Bellaire, Texas
(Address of principal executive offices)

77401
(Zip Code)

(832) 742-1357
(Registrant's Telephone Number, Including Area Code)

(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))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 7.01 Regulation FD Disclosure.

On April 18, 2018, Bio-Path Holdings, Inc. (the “Company”) issued a press release titled, “Pre-Clinical Data Demonstrating Promising Potential of Prexigebersen as Treatment for Solid Tumors in Gynecologic Malignancies Presented at American Association for Cancer Research Annual Meeting.” A copy of such press release is attached hereto as Exhibit 99.1.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

<u>Exhibit Number</u>	<u>Description</u>
99.1	Press Release dated April 18, 2018

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Company has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

BIO-PATH HOLDINGS, INC.

Dated: April 19, 2018

By: /s/ Peter H. Nielsen
Peter H. Nielsen
President and Chief Executive Officer

EXHIBIT INDEX

Exhibit Number	Description
99.1	Press Release dated April 18, 2018



Pre-Clinical Data Demonstrating Promising Potential of Prexigebersen as Treatment for Solid Tumors in Gynecologic Malignancies Presented at American Association for Cancer Research Annual Meeting

HOUSTON—April 18, 2018 – Bio-Path Holdings, Inc., (NASDAQ: BPTH), a biotechnology company leveraging its proprietary DNAbilize® antisense RNAi nanoparticle technology to develop a portfolio of targeted nucleic acid cancer drugs, today announced that data from pre-clinical studies supporting the potential of prexigebersen (BP1001, liposomal Grb2 antisense), in the treatment of solid tumors in gynecologic malignancies were presented in a poster at the annual meeting of the American Association for Cancer Research (AACR), which took place in Chicago, IL.

The poster titled, “Grabbing GRB2: The use of Liposome-incorporated Grb2 antisense oligonucleotides as a novel therapy in gynecologic malignancies,” was presented by Olivia D. Lara, M.D., University of Texas MD Anderson Cancer Center, Department of Gynecologic Oncology during the Experimental and Molecular Therapeutics Poster Session. The data summarize results from studies investigating the expression of GRB2 in a series of in vitro experiments in high-grade serous (HGSC) and uterine (UC) carcinoma models. The study also examined the biological effects of prexigebersen in HGSC mice models (OVCAR 5), first in a dose-defining experiment then in combination with standard dose paclitaxel.

The data showed there was an eighty-six percent (86%) decrease in tumor burden ($p < 0.05$), and multinodular burden ($p < 0.01$) in the combination prexigebersen/paclitaxel group compared to control. In addition, there was no apparent toxicity with mice on combination therapy losing less weight than the paclitaxel-only group ($P = 0.005$).

“We are delighted to present these very encouraging findings at this year’s AACR before an audience of the world’s leading cancer researchers and clinicians,” stated Peter H. Nielsen, chief executive officer of Bio-Path Holdings. “Our research continues to suggest that prexigebersen-based combination therapy may offer an attractive method for targeting solid tumors and these findings establish the GRB2/GAB2 complex as an important target for prexigebersen. We look forward to advancing this promising therapy in gynecologic and other solid tumor cancers and plan to initiate first-in-human studies as early as the end of this year.”

About Bio-Path Holdings, Inc.

Bio-Path is a biotechnology company developing DNAbilize®, a novel technology that has yielded a pipeline of RNAi nanoparticle drugs that can be administered with a simple intravenous transfusion. Bio-Path’s lead product candidate, prexigebersen (BP1001, targeting the Grb2 protein), is in a Phase 2 study for blood cancers and in preclinical studies for solid tumors. This is followed by BP1002, targeting the Bcl-2 protein, which the company anticipates entering into clinical studies where it will be evaluated in lymphoma and solid tumors.

For more information, please visit the Company's website at <http://www.biopathholdings.com>.

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