

PROSPECTUS SUPPLEMENT NO. 13
To Prospectus dated May 12, 2015

27,321,870 Shares
PIERIS PHARMACEUTICALS, INC.
Common Stock

This prospectus supplement no. 13 supplements the prospectus dated May 12, 2015, relating to the offering and resale by the selling stockholders identified in the prospectus of up to 27,321,870 shares of our common stock, par value \$0.001 per share. These shares were privately issued to the selling stockholders on December 17, December 18, and December 23, 2014 in connection with a private placement and a share exchange transaction described in the prospectus.

This prospectus supplement incorporates into our prospectus the information contained in our attached Current Report on Form 8-K, which was filed with the Securities and Exchange Commission on June 6, 2016.

You should read this prospectus supplement in conjunction with the prospectus, including any supplements and amendments thereto. This prospectus supplement is qualified by reference to the prospectus except to the extent that the information in the prospectus supplement supersedes the information contained in the prospectus.

This prospectus supplement is not complete without, and may not be delivered or utilized except in connection with, the prospectus, including any supplements and amendments thereto.

Our common stock is quoted on the NASDAQ Capital Market under the symbol "PIRS." As of June 8, 2016 the last reported sale price for our common stock as reported on the NASDAQ Capital Market was \$1.84 per share.

Investment in our common stock involves risks. See "Risk Factors" beginning on page 8 of the prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus supplement. Any representation to the contrary is a criminal offense.

The date of this prospectus supplement is June 9, 2016.

**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): June 6, 2016

PIERIS PHARMACEUTICALS, INC.

(Exact Name of Registrant as Specified in its Charter)

Nevada
(State of Incorporation)

001-37471
(Commission
File Number)

EIN 30-0784346
(IRS Employer
Identification No.)

255 State Street, 9th Floor
Boston, MA 02109
United States
(Address of principal executive offices, including zip code)

Registrant's telephone number, including area code: 857-246-8998

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))
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Item 1.01 Entry into a Material Definitive Agreement

On June 6, 2016, Pieris Pharmaceuticals, Inc. (the “Company”) and Pieris Pharmaceuticals GmbH, a wholly-owned subsidiary of the Company (together with the Company, “Pieris”), entered into a Definitive License and Transfer Agreement (the “Definitive Agreement”) with Enumeral Biomedical Holdings, Inc. (“Enumeral”) as contemplated by the License and Transfer Agreement, dated April 18, 2016, between Pieris and Enumeral (the “License Agreement”) to fully set forth the terms of Enumeral’s license of PD-1 antibodies and grant of options to license additional antibodies to Pieris. The financial provisions of the Definitive Agreement, including sales and milestone payments and royalties, remain the same as those in the License Agreement. Additionally, consistent with the agreements, Pieris paid to Enumeral a license maintenance fee of \$750,000 that was due by May 31, 2016 to continue the licensing arrangement under the License Agreement.

The Definitive Agreement also expands the scope of Pieris’ option to license additional antibodies from Enumeral. Under the Definitive Agreement, Enumeral has granted Pieris options to license two additional undisclosed Enumeral antibodies (each, a “Subsequent Option”). The Subsequent Options expire on May 31, 2017. If Pieris licenses an additional antibody pursuant to a Subsequent Option, Pieris must pay to Enumeral an additional undisclosed option exercise payment, and any resulting fusion protein products will be subject to royalties and development and sales milestones in the same amounts applicable to the fusion proteins consisting of an Enumeral’s PD-1 antibody linked to one or more Anticalin[®] proteins.

The foregoing description of the Definitive Agreement does not purport to be complete and is qualified in its entirety by reference to the Definitive Agreement, which Pieris intends to file as an exhibit to its Quarterly Report on Form 10-Q for the quarter ending June 30, 2016.

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: June 6, 2016

PIERIS PHARMACEUTICALS, INC.

By: /s/ Darlene Deptula-Hicks

Name: Darlene Deptula-Hicks

Title: Chief Financial Officer