bluebird bio, Inc. Form 8-K February 02, 2015

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): February 2, 2015

bluebird bio, Inc.

(Exact name of registrant as specified in its charter)

DELAWARE

001-35966

13-3680878

(State or other jurisdiction of (Commission File Number) (I.R.S. Employer incorporation) Identification No.)

150 Second Street

Cambridge, MA 02141

(Address of principal executive offices) (Zip Code) Registrant's telephone number, including area code (339) 499-9300 Not Applicable

(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:

o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425) o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12) o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b)) o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c)) Item 8.01 Other Events.

On February 2, 2015, bluebird bio, Inc. ("bluebird") issued a press release announcing that the U.S. Food and Drug Administration has granted Breakthrough Therapy Designation to bluebird's LentiGlobin[®] product candidate for the treatment of transfusion-dependent patients with beta-thalassemia major. The full text of bluebird's press release regarding the announcement is filed as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No. Description 99.1 Press release issued by bluebird bio, Inc. on February 2, 2015.

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.

Date: February 2, 2015 bluebird bio, Inc.

By:/s/ Jason F. Cole Jason F. Cole Senior Vice President, General Counsel

EXHIBIT INDEX

Exhibit No. Description 99.1 Press release issued by bluebird bio, Inc. on February 2, 2015.