bluebird bio, Inc. Form 8-K April 20, 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): April 20, 2016

bluebird bio, Inc.

(Exact name of registrant as specified in its charter)

DELAWARE001-3596613-3680878(State or other jurisdiction of<br/>incorporation)(Commission<br/>File Number)(I.R.S. Employer Identification No.)

150 Second Street Cambridge, MA02141(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 7.01 Regulation FD Disclosure

On April 20, 2016, bluebird bio, Inc. ("bluebird") conducted an investor webcast summarizing clinical data from its Starbeam clinical study of its Lenti-D product candidate, presented at the American Academy of Neurology (AAN) 2016 Annual Meeting in Vancouver, British Columbia, Canada on April 20, 2016. A copy of the presentation is being furnished 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. Description99.1 Investor presentation provided by bluebird bio, Inc. on April 20, 2016.

#### 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.

bluebird bio, Inc.

Date: April 20, 2016 By: /s/ Jason F. Cole Jason Cole Chief Legal Officer

# EXHIBIT INDEX

Exhibit No. Description99.1 Investor presentation provided by bluebird bio, Inc. on April 20, 2016.