

**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): May 8, 2017

bluebird bio, Inc.

(Exact name of Registrant as Specified in Its Charter)

DELAWARE

(State or Other Jurisdiction
of Incorporation)

**60 Binney Street,
Cambridge, MA**

(Address of Principal Executive Offices)

001-35966

(Commission File Number)

13-3680878

(IRS Employer
Identification No.)

02142

(Zip Code)

Registrant's Telephone Number, Including Area Code: (339) 499-9300

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

Indicate by check mark whether the registrant is an emerging growth company as defined in 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.

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 Instructions 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))

Item 5.02. Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On May 8, 2017, Eric Sullivan, Vice President, Finance, Treasurer and principal accounting officer at bluebird bio, Inc. (“bluebird”), provided notice of his intention to resign from bluebird to be effective on August 4, 2017, in order to pursue other employment opportunities. If Mr. Sullivan’s replacement is not hired prior to the effective date of Mr. Sullivan’s resignation from bluebird, Jeff Walsh, bluebird’s Chief Financial and Strategy Officer and principal financial officer, will assume the duties of the principal accounting officer.

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: May 11, 2017

bluebird bio, Inc.

By: /s/ Jason F. Cole

Jason Cole

Chief Legal Officer