# **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): July 12, 2018

# bluebird bio, Inc. (Exact name of Registrant as Specified in Its Charter)

		<u></u>
DELAWARE	001-35966	13-3680878
(State or Other Jurisdiction	<u> </u>	(IRS Employer
of Incorporation)	(Commission File Number)	Identification No.)
60 Binney Street,		
Cambridge, MA		02142
(Address of Principal Executive Offices)		(Zip Code)
Registr	ant's Telephone Number, Including Area Code: (339) 49	9-9300
	Not Applicable (Former Name or Former Address, if Changed Since Last Report)	
provisions (see General Instructions A.2. below):  ☐ Written communications pursuant to Rule  ☐ Soliciting material pursuant to Rule 14a-1  ☐ Pre-commencement communications pursuant	filing is intended to simultaneously satisfy the filing obligated 425 under the Securities Act (17 CFR 230.425) 12 under the Exchange Act (17 CFR 240.14a-12) 15 suant to Rule 14d-2(b) under the Exchange Act (17 CFR 24 suant to Rule 13e-4(c) under the Exchange Act (17 CFR 24	0.14d-2(b))
· · · · · · · · · · · · · · · · · · ·	n emerging growth company as defined in as defined in Ruchange Act of 1934 (§ 240.12b-2 of this chapter).	le 405 of the Securities Act of 1933 (§ 230.405
Emerging growth company $\square$		
If an emerging growth company, indicate by chec revised financial accounting standards provided p	k mark if the registrant has elected not to use the extended tursuant to Section 13(a) of the Exchange Act. $\Box$	ransition period for complying with any new or

#### Item 8.01 Other Events.

Celgene Corporation ("Celgene") has amended the study protocol for the KarMMa study, an ongoing Phase 2 study of the bb2121 product candidate in patients with relapsed and refractory multiple myeloma. Under the amended study protocol, the dose range for the KarMMa study will be 150 to  $450 \times 10^6 \text{ CAR+ T}$  cells and the enrollment will increase to up to 140 patients. This change in dosing is based on the totality of the clinical data for the bb2121 product candidate to date.

In addition, Celgene has amended the study protocol for CRB-401, an ongoing Phase I study of the bb2121 product candidate in patients with relapsed and refractory multiple myeloma. Under the amended study protocol, the enrollment for the study will be increased by up to 20 patients, with a dose range of 150 to  $450 \times 10^6$  CAR+ T cells.

bluebird bio, Inc. ("bluebird") and Celgene are co-developing and co-promoting the bb2121 product candidate in the United States, and Celgene has exclusively licensed the development and commercialization rights for the bb2121 product candidate outside of the United States. bluebird and Celgene continue to anticipate a potential approval of the bb2121 product candidate in relapsed and refractory multiple myeloma in 2020.

## **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: July 12, 2018 bluebird bio, Inc.

By:/s/ Jason F. Cole

Jason F. Cole Chief Legal Officer