## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K
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## CURRENT REPORT Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported): November 4, 2015

### bluebird bio, Inc.

(Exact name of registrant as specified in its charter)

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	DELAWARE	001-35966	13-3680878						
(State or other jurisdiction of incorporation)		(Commission File Number)	(I.R.S. Employer Identification No.)						
	150 Second Street Cambridge, MA		02141						
	(Address of principal executive of	(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:									
	Soliciting material pursuant to Rule 14a-12 Pre-commencement communications pursuant	under the Securities Act (17 CFR 230.425) under the Exchange Act (17 CFR 240.14a-12) ant to Rule 14d-2(b) under the Exchange Act (17 CFR ant to Rule 13e-4(c) under the Exchange Act (17 CFR							

#### Item 2.02 Results of Operations and Financial Condition

On November 4, 2015, bluebird bio, Inc. announced its financial results for the three months ended September 30, 2015. A copy of the press release is being furnished as Exhibit 99.1 to this Report on Form 8-K.

The information in this Report on Form 8-K and Exhibit 99.1 attached hereto is intended to be furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, except as expressly set forth by specific reference in such filing.

#### Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.	Description
99.1	Press release issued by bluebird bio, Inc. on November 4, 2015, furnished herewith.

#### **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: November 4, 2015 bluebird bio, Inc.

By:/s/ James M. DeTore

James M. DeTore

Chief Financial Officer and Principal Financial Officer

#### EXHIBIT INDEX

Exhibit No. 99.1 Description Press release issued by bluebird bio, Inc. on November 4, 2015, furnished herewith.



#### bluebird bio Reports Third Quarter 2015 Financial Results and Recent Operational Progress

- -- Six abstracts accepted for presentation at American Society of Hematology (ASH) Annual Meeting --
- $\hbox{\it --- Increased enrollment target for HGB-206 study of LentiGlobin} \hbox{\it @in severe sickle cell disease (SCD) from eight patients to 20 patients}$
- -- Published a paper on megaTAL genome editing platform in Science Translational Medicine with collaborators at Seattle Children's Research Institute --
  - -- Ended quarter with \$901.7 million in cash, cash equivalents, and marketable securities --
  - -- Company will discuss ASH abstract data and business updates in a conference call tomorrow at 8:30 a.m. ET--

CAMBRIDGE, Mass., November 4, 2015 – bluebird bio, Inc. (Nasdaq: BLUE), a clinical-stage company committed to developing potentially transformative gene therapies for severe genetic diseases and T cell-based immunotherapies, today reported business highlights and financial results for the third quarter ended September 30, 2015.

"2015 continues to be a year of significant advancement for our programs in beta-thalassemia, sickle cell disease and oncology, which is reflected in our strong presence at ASH this year. We are excited about the progress we've made in the third quarter in enrolling the HGB-206 study in severe sickle cell disease, and we have made the decision to increase the enrollment target in order to gather more data and provide additional regulatory options," said Nick Leschly, chief bluebird. "Our balance sheet remains strong, allowing us to continue to execute on our goals heading into 2016. This includes initiating the Phase 1 study for our first clinical oncology program, bb2121, in early 2016 and our plans to present data from the Starbeam study of LentiD in CCALD in the first half of 2016."

#### **Recent Highlights**

- DATA FROM HGB-204, HGB-205 AND HGB-206 CLINICAL STUDIES OF LENTIGLOBIN TO BE PRESENTED AT ASH Updated data from the HGB-204 study of LentiGlobin in beta-thalassemia major and the HGB-205 study in beta-thalassemia major and severe sickle cell disease (SCD) will be highlighted in separate oral presentations at the ASH annual meeting in December. Initial early data from the HGB-206 study of LentiGlobin in severe SCD will be presented in a poster.
- DATA FROM PRE-CLINICAL STUDIES OF BB2121 TO BE PRESENTED AT ASH -- bluebird bio will also present data from its lead oncology program, bb2121 at ASH the first bluebird bio oncology data to be presented at a major medical meeting. Three poster presentations will highlight preclinical data and manufacturing improvements made to the anti-BCMA CAR-T program.
- INCREASED ENROLLMENT TARGET FOR HGB-206 STUDY IN SEVERE SCD Announced plan to increase enrollment in the U.S.-based HGB-206 study in severe SCD from eight patients to 20 patients to gain additional data and experience with LentiGlobin in SCD. bluebird bio plans to provide an update on enrollment in all three LentiGlobin clinical studies at the ASH meeting in December.

• PUBLISHED GENOME EDITING PAPER IN SCIENCE TRANSLATIONAL MEDICINE – Along with collaborators at the Center for Immunity and Immunotherapy at Seattle Children's Research Institute, published "Efficient modification of CCR5 in primary human hematopoietic cells using a megaTAL nuclease and AAV donor template" in Science Translational Medicine. The findings showed that it is possible to edit the CCR5 gene to enable T cells to both resist and kill HIV. They also showed that the megaTAL nuclease platform allows researchers to place edited genes very precisely in the genome, leading to precise location and control of expression of the edited gene.

#### Third Quarter 2015 Financial Results and Financial Guidance

- Cash Position: Cash, cash equivalents and marketable securities as of September 30, 2015 were \$901.7 million, compared to \$492.0 million as of December 31, 2014, an increase of \$409.7 million, which was primarily driven by the June 2015 equity financing.
- **Revenues:** Collaboration revenue was \$1.3 million for the third quarter of 2015 compared to \$6.3 million for the third quarter of 2014. The decrease is a result of an amendment to our collaboration agreement with Celgene in the second quarter of 2015
- **R&D Expenses:** Research and development expenses were \$30.4 million for the third quarter of 2015, compared to \$16.6 million for the same period in 2014, an increase of \$13.8 million. The increase in research and development expenses was primarily attributable to a \$6.6 million increase in employee compensation and benefit expense to support our overall growth and a \$3.6 million increase in expenses necessary to support the advancement of our clinical and pre-clinical programs.
- **G&A Expenses:** General and administrative expenses were \$13.7 million for the third quarter of 2015, compared to \$6.6 million for the same period in 2014, an increase of \$7.1 million. The increase in general and administrative expenses was primarily attributable to a \$5.7 million increase in employee compensation and benefit expense to support our overall growth.
- Net Loss: Net loss was \$42.9 million for the third quarter of 2015, compared to net loss of \$17.0 million for the third quarter of 2014.
- **Financial guidance:** bluebird bio expects that its cash, cash equivalents and marketable securities of \$901.7 million as of September 30, 2015 will be sufficient to fund its current operations through 2018.

#### **Investor Conference Call and Webcast Information**

bluebird bio will host a conference call and webcast at 8:30 a.m. ET on Thursday, November 5, 2015 to discuss the ASH abstract data and business updates. The event will be webcast live and can be accessed under "Calendar of Events" in the Investors and Media section of the company's website at www.bluebirdbio.com. The webcast will be available for replay for 30 days on the company website. Alternatively, investors may listen to the call by dialing (844) 825-4408 from locations in the United States or (315) 625-3227 from outside the United States. Please refer to conference ID number 71389854.

#### About bluebird bio, Inc.

With its lentiviral-based gene therapy and gene editing capabilities, bluebird bio has built an integrated product platform with broad potential application to severe genetic diseases and T cell-based immunotherapy. bluebird bio's clinical programs include Lenti-D<sup>TM</sup>, currently in a Phase 2/3 study, called the Starbeam Study, for the treatment of childhood cerebral adrenoleukodystrophy, and LentiGlobin®, currently in three clinical studies: a global Phase 1/2 study, called the Northstar Study, for the treatment of beta-thalassemia major; a single-center Phase 1/2 study in France (HGB-205) for the treatment of beta-thalassemia major or severe SCD; and a separate U.S. Phase 1 study for the treatment of severe SCD (HGB-206). bluebird bio also has ongoing preclinical CAR T immuno-oncology programs, as well as discovery research programs utilizing megaTALs/homing endonuclease gene editing technologies.

bluebird bio has operations in Cambridge, Massachusetts; Seattle, Washington; and Paris, France.

LentiGlobin and Lenti-D are trademarks of bluebird bio, Inc.

#### Forward-Looking Statements

This release contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, including statements regarding the Company's financial condition and results of operations, the sufficiency of its cash, cash equivalents and marketable securities, as well as the advancement of, and anticipated development and regulatory milestones and plans related to the Company's product candidates and clinical studies. Any forward-looking statements are based on management's current expectations of future events and are subject to a number of risks and uncertainties that could cause actual results to differ materially and adversely from those set forth in or implied by such forward-looking statements. These risks and uncertainties include, but are not limited to, the risk of cessation or delay of any of the ongoing or planned clinical studies or development activities for our product candidates, the risk of a delay in the enrollment of patients in the Company's clinical studies, the risk that the results of previously conducted studies involving similar product candidates will not be repeated or observed in ongoing or future studies involving current product candidates, the risk that our collaborations will not continue or will not be successful, and the risk that any one or more of our product candidates will not be successfully developed and commercialized. For a discussion of other risks and uncertainties, and other important factors, any of which could cause our actual results to differ from those contained in the forward-looking statements, see the section entitled "Risk Factors" in our most recent annual report on Form 10-Q, as well as discussions of potential risks, uncertainties, and other important factors in our subsequent filings with the Securities and Exchange Commission. All information in this press release is as of the date of the release, and bluebird bio undertakes no duty to update this information unless required by law.

#### Availability of other information about bluebird bio

Investors and others should note that we communicate with our investors and the public using our company website (<a href="www.bluebirdbio.com">www.bluebirdbio.com</a>), our investor relations website (<a href="http://www.bluebirdbio.com/investor-splash.html">http://www.bluebirdbio.com/investor-splash.html</a>), including but not limited to investor presentations and FAQs, Securities and Exchange Commission filings, press releases, public conference calls and webcasts. You can also connect with us on Twitter <a href="@bluebirdbio.linkedIn">@bluebirdbio.linkedIn</a> or our <a href="YouTube">YouTube</a> channel. The information that we post on these channels and websites could be deemed to be material information. As a result, we encourage investors, the media, and others interested in bluebird bio to review the information that we post on these channels, including our investor relations website, on a regular basis. This list of channels may be updated from time to time on our investor relations website and may include other social media channels than the ones described above. The contents of our website or these channels, or any other website that may be accessed from our website or these channels, shall not be deemed incorporated by reference in any filing under the Securities Act of 1933.

#### bluebird bio, Inc. Consolidated Statements of Operations Data (unaudited)

(in thousands, except per share data)

	Three months ended September 30,		Nine mont Septeml				
		2015		2014	2015		2014
Revenue:							
Collaboration revenue	\$	1,324	\$	6,250	\$ 12,607	\$	18,750
Research and license fees				115			285
Total revenue		1,324		6,365	12,607		19,035
Operating expenses:							
Research and development		30,395		16,649	98,380		42,043
General and administrative		13,704		6,648	31,765		17,924
Change in fair value of contingent consideration		352		78	2,540		78
Total operating expenses		44,451		23,375	132,685		60,045
Loss from operations		(43,127)		(17,010)	(120,078)		(41,010)
Other income (expense), net		263		(20)	630		48
Loss before income taxes		(42,864)		(17,030)	(119,448)		(40,962)
Income tax (expense) benefit		(60)			 (60)		11,797
Net loss	\$	(42,924)	\$	(17,030)	\$ (119,508)	\$	(29,165)
Net loss per share - basic and diluted:	\$	(1.18)	\$	(0.61)	\$ (3.52)	\$	(1.14)
Weighted-average number of common shares used in computing net loss per share - basic and diluted:		36,384		28,115	 33,979		25,593
difuted.	_	30,304	_	20,113	 33,717	_	23,373

# bluebird bio, Inc. Consolidated Balance Sheets Data (unaudited) (in thousands)

	S	eptember 30, 2015	December 31, 2014
Cash, cash equivalents and marketable securities	\$	901,711 \$	492,003
Total assets		1,017,641	556,739
Total liabilities		128,635	65,482
Total stockholders' equity		889,006	491,257

#### **Investors and Media:**

Manisha Pai bluebird bio, Inc. (617) 245-2107 mpai@bluebirdbio.com

#### Media:

Dan Budwick Pure Communications, Inc. (973) 271-6085