Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

bluebird bio, Inc. Form 4 June 11, 2015

## FORM 4

### UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB

**OMB APPROVAL** 

Number:

3235-0287

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**SECURITIES** Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * Walsh Jeffrey T.			2. Issuer Name <b>and</b> Ticker or Trading Symbol bluebird bio, Inc. [BLUE]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
			(Month/Day/Year)	Director 10% Owner		
C/O BLUEBIRD BIO, INC., 150 SECOND STREET		., 150	06/10/2015	X Officer (give title Other (specify below)		
				Chief Operating Officer		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line)		
CAMBRIDGE, MA 02141				_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

#### (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired (A) or 5. Amount of 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionDisposed of (D) Securities Ownership Indirect (Instr. 3) (Instr. 3, 4 and 5) Beneficially Code Form: Beneficial (Month/Day/Year) (Instr. 8) Owned Direct (D) Ownership Indirect (Instr. 4)

		(Monulu Day/ Teal)	(msu. o)		(A) or		Following Reported Transaction(s)	or Indirect (I) (Instr. 4)
			Code V	Amount	(D)	Price	(Instr. 3 and 4)	
Common Stock	06/10/2015		M	10,455	A	\$ 2.09	10,455	D
Common Stock	06/10/2015		M	545	A	\$ 2.09	11,000	D
Common Stock	06/10/2015		S(1)	2,200	D	\$ 178.6126 (2)	8,800	D
Common Stock	06/10/2015		S(1)	3,610	D	\$ 179.2419 (3)	5,190	D
	06/10/2015		S(1)	4,332	D		858	D

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Common \$ 180.316 Stock Common  $S^{(1)}$ 06/10/2015 \$ 181.33 0 858 Stock

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)			Derivative Expiration Date ecurities (Month/Day/Year) Acquired (A) r Disposed of D) Instr. 3, 4,		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 2.09	06/10/2015		M		10,455	<u>(5)</u>	07/13/2021	Common Stock	10,455
Stock Otpion (right to buy)	\$ 2.09	06/10/2015		M		545	<u>(5)</u>	07/13/2021	Common Stock	545

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# **Reporting Owners**

Reporting Owner Name / Address	Kelationships						
	Director	10% Owner	Officer	Other			
Walsh Jeffrey T. C/O BLUEBIRD BIO, INC. 150 SECOND STREET CAMBRIDGE, MA 02141			Chief Operating Officer				

Date

## **Signatures**

\*\*Signature of Reporting Person

/s/ Jason F. Cole, 06/11/2015 Attorney-in-Fact

2 Reporting Owners

## **Explanation of Responses:**

- \* If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on September 26, 2014.
- The range of prices for the transaction reported on this line was \$178.02 to \$178.83. The average weighted price was \$178.6126. The reporting person will provide, upon request by the SEC, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- The range of prices for the transaction reported on this line was \$179.00 to \$179.78. The average weighted price was \$179.2419. The reporting person will provide, upon request by the SEC, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- The range of prices for the transaction reported on this line was \$180.00 to \$180.90. The average weighted price was \$180.3160. The reporting person will provide, upon request by the SEC, the issuer or a security holder of the issuer, full information regarding the number
- of shares sold at each separate price.
- (5) This option vests over a four-year period, at a rate of twenty-five percent (25%) on May 16, 2012 and in 36 equal monthly installments thereafter.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.