Walsh Jeffrey T. Form 4 November 03, 2017

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

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

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Walsh Jeffrey T.			2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]	5. Relationship of Reporting Person(s) to Issuer			
(Last) C/O BLUEBII	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 11/01/2017	(Check all applicable) Director 10% OwnerX_ Officer (give titleX_ Other (specify below) below)			
BINNEY STREET (Street)			4. If Amendment, Date Original	Chief Financial / and Strategy Office 6. Individual or Joint/Group Filing(Check			
	(Succe)		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person			
CAMBRIDGE	E, MA 0214	12		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 Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) or TransactionDisposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Price			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Stock	11/01/2017		M	35,000	` ′	\$ 5.5004	62,305	D		
Common Stock	11/01/2017		S <u>(1)</u>	10,775	D	\$ 150.4576 (2)	51,530	D		
Common Stock	11/01/2017		S <u>(1)</u>	15,462	D	\$ 151.4518 (3)	36,068	D		
Common Stock	11/01/2017		S <u>(1)</u>	7,789	D	\$ 152.3022 (4)	28,279	D		

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Common $S^{(1)}$ 11/01/2017 974 D 153.0958 27,305 D 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)	5. Number of orDerivative Securities Acquired (A) or Disposed o (D) (Instr. 3, 4, and 5)	Expiration D (Month/Day)	6. Date Exercisable and Expiration Date (Month/Day/Year)		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)	\$ 5.5004	11/01/2017		M	35,000	(6)	01/16/2023	Common Stock	35,000	

Reporting Owners

Relationships **Reporting Owner Name / Address**

> Officer Other Director 10% Owner

Walsh Jeffrey T.

C/O BLUEBIRD BIO, INC. **60 BINNEY STREET** CAMBRIDGE, MA 02142

Chief Financial and Strategy Officer

Signatures

/s/ Jason F. Cole, 11/03/2017 Attorney-in-Fact

**Signature of Reporting Person Date

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)

Reporting Owners 2

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The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 23, 2016.

- The range of prices for the transaction reported on this line was \$150.00 to \$150.95. The average weighted price was \$150.4576. 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 \$151.00 to \$151.95. The average weighted price was \$151.4518. 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 \$152.00 to \$152.9250. The average weighted price was \$152.3022. 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 \$153.00 to \$153.40. The average weighted price was \$153.0958. 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.
- This option to purchase shares of our common stock was granted on January 16, 2013 with performance-based vesting criteria that were met as of January 1, 2013, April 1, 2013, May 1, 2013, and June 24, 2013. The shares underlying these options vested as follows: 25% vested on January 1, 2014, April 1, 2014, May 1, 2014, and July 1, 2014, respectively, with the remainder of the shares vesting in equal monthly installments over the following three years.

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.