Walsh Jeffrey T. Form 4 August 30, 2017

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

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

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

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

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * Walsh Jeffrey T.

(First)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

(Last)

(City)

(Middle)

(Zip)

bluebird bio, Inc. [BLUE]

(Check all applicable)

C/O BLUEBIRD BIO, INC., 60

3. Date of Earliest Transaction

(Month/Day/Year)

Director 10% Owner _X__ Officer (give title __X__ Other (specify

08/28/2017

below) below)

BINNEY STREET

Chief Financial / and Strategy Officer

(Street)

(State)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person n Dominative Securities Assumed Disposed of an Boneficially Or

CAMBRIDGE, MA 02142

(,)	(= :)	Table 1 - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio			cquired (A)	5. Amount of Securities	6. Ownership	7. Nature of Indirect		
(Instr. 3)	(Month Buj, 1 cur)	any	Code	1			Beneficially	Form:	Beneficial		
		(Month/Day/Year)	(Instr. 8)	` ′		,	Owned Following Reported	Direct (D) or Indirect (I)	Ownership (Instr. 4)		
					(A)		Transaction(s)	(Instr. 4)			
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)				
Common Stock	08/28/2017		M	1,250	A	\$ 5.5004	28,555	D			
Common Stock	08/28/2017		S <u>(1)</u>	1,250	D	\$ 107.0611 (2)	27,305	D			

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

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

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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 to for Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		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	08/28/2017		M	1,2:	50	(3)	01/16/2023	Common Stock	1,250

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Walsh Jeffrey T.

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

CAMBRIDGE, MA 02142

Chief Financial and Strategy Officer

Signatures

/s/ Jason F. Cole, Attorney-in-Fact

08/30/2017

**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).
- 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, **(1)** 2016.
- The range of prices for the transaction reported on this line was \$107.00 to \$107.35. The average weighted price was \$107.0611. The (2) 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 granted on January 16, 2013 with performance-based vesting criteria that were met as of May 1, 2013. The shares underlying these options vested as follows: 25% vested on May 1, 2014, 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.

Reporting Owners 2