Section 1 obligation

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to	S
Section 16. Form 4 or Form 5	
obligations may continue. See	
Instruction 1(b).	

TATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden 0.5 hours per response:

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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 (Check all applicable) Director 10% Owner V Officer (give title V Other (specify					
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET					08	3. Date of Earliest Transaction (Month/Day/Year) 08/10/2018								Chief Financial / and Strategy Officer					
(Street) CAMBRIDGE MA 02142				2	_	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(S		(Zip)																
Table I - Non-Deriv 1. Title of Security (Instr. 3) 2. Transactio Date (Month/Day/Y				on	2A. Deemed Execution Date,		3. Transa Code (8)	ction	A. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			5. Amount		unt of es ially Following	Form (D) o	: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
						Code	v	Amount	(A) or (D)	Price		Transaction(s) (Instr. 3 and 4)				,iii3ti. 4)			
Common	Common Stock			08/10/20	018			M		1,500	A	\$5.50	\$5.5004		36,995		D		
Common	mmon Stock			08/10/20	08/10/2018				S ⁽¹⁾		425	D	\$155.40	.55.4059(2)		6,570		D	
Common Stock			08/10/2018				S ⁽¹⁾		350	D	\$156.6293 ⁽³⁾		36	36,220		D			
Common Stock 08/10			08/10/20)18	18			S ⁽¹⁾		620 D \$157		\$157.85	.581 ⁽⁴⁾ 35		,600		D		
Common Stock 08/10/2			08/10/20)18	.8			S ⁽¹⁾		105	D	\$158.5667 ⁽⁵⁾		35,495			D		
		7	able								sposed of				wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Exec	eemed ution Date,	4. Transa Code (action	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Dat		cisable and	7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		8. De Se (In	Price of rivative curity str. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Owi Fori Dire or Ii (I) (I	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	le V	(A)	(D)	Date Exercisable		Expiration Date	Title	Amour or Number of Shares	er					
Stock Option (right to	\$5.5004	08/10/2018			M			1,500		(6)	01/16/2023	Commo Stock	ⁿ 1,500	0	\$0.00	4,007		D	

Explanation of Responses:

- 1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on July 2, 2018.
- 2. The range of prices for the transaction reported on this line was \$155.15 to \$156.05. The average weighted price was \$155.4059. 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.
- 3. The range of prices for the transaction reported on this line was \$156.20 to \$156.95. The average weighted price was \$156.6293. 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.
- 4. The range of prices for the transaction reported on this line was \$157.30 to \$158.20. The average weighted price was \$157.8581. 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. The range of prices for the transaction reported on this line was \$158.55 to \$158.90. The average weighted price was \$158.5667. 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.
- 6. 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. The shares underlying these options vested as follows: 25% vested on January 1, 2014, with the remainder of the shares vesting in equal monthly installments over the following three years.

Remarks:

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

08/14/2018

Fact

** Signature of Reporting Person

Date

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

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.