FORM 4

obligations may continue. See

Instruction 1(b).

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

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

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

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]									ationship of Reporting all applicable) Director Officer (give title		g Person(s) to Issuer 10% Owner Other (specit		vner	
	(FI JEBIRD BI EY STREE	O, INC.	(Middle) NC.			3. Date of Earliest Transaction (Month/Day/Year) 06/10/2019									below) below) Chief Strategy Officer				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(Street)			02142	2	4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)									Form f	al or Joint/Group Filing (Check Ap Form filed by One Reporting Perso Form filed by More than One Repo Person			on
(City)	(S		(Zip)	Non-Deri	vative	e Sec	uriti	ies A	cani	red C	Disposed	of or	Renef	icially	Owner	1			
1. Title of Security (Instr. 3)		2. Transacti	Transaction 2. ate E Month/Day/Year) if		2A. Deemed Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or			5. Amo Securit Benefic Owned	unt of ies ially Following	Form (D) o	n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership			
										v	Amount	(A) or (D)	Price		Reporte Transac (Instr. 3	ction(s)			(Instr. 4)
Common	Common Stock 06/10/201		019)		M		1,400	A	\$2	\$24.47		42,321		D				
Common Stock 06/10/20)19			S ⁽¹⁾		1,200	D	\$125.	125.1892 ⁽²⁾		41,121		D					
Common Stock 06/10/201			019				S ⁽¹⁾		200	D	D \$126.96 40,9),921 D		D			
		Т	able								sposed of				wned				
		Execu	xecution Date, any		1. Transaction Code (Instr. 3)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		ate Exer ration I nth/Day		7. Title and Amount of Securities Underlying Derivative Securi (Instr. 3 and 4)		De Se (Ir	Price of erivative ecurity istr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	e s lly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exe	cisable	Expiration Date	Title	or Nur of	ount mber ares					
Stock Option (right to buy)	\$24.47	06/10/2019			М			1,400		(3)	03/03/2024	Comm		400	\$0.00	10,121		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 \$125.00 to \$125.55. The average weighted price was \$125.1892. 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. This option vested over a four-year period, at a rate of twenty-five percent (25%) on January 1, 2015 and in 36 equal monthly installments thereafter.

Remarks:

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

** Signature of Reporting Person

06/12/2019

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.