FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPRO	VAL						
	OMB Number:	3235-0287						
l	Estimated average burden							
l	hours per response:	0.5						

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

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

							,	,												
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 (Check all applicable) Director 10% Owner X Officer (give title Other (specify					
	(I JEBIRD E IEY STRE		(Middle	e)			vate of Earliest Transaction (Month/Day/Year) 10/2019								below)		below) tegy Officer		вреспу	
(Street) CAMBRIDGE MA 02142					_ 4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line) X	,					
(City)	(;	State)	(Zip)	Non-Deriv	vativ	a Sac	uriti	 Ιρς Λ	cauir)ienoeed	of or l	Ronofi	cially (Owner	<u> </u>				
1. Title of Security (Instr. 3)		2. Transaction	2. Transaction		2A. Deemed Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			5. Amour Securitie Beneficia Owned F		Form:	: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership				
									Code	v	Amount	(A) or (D)	Price		Reporte Transac (Instr. 3	ction(s)			(Instr. 4)	
Common Stock				05/10/20)19	19			M		1,500	A	\$24	1.47	42	2,421		D		
Common Stock			05/10/20	019				S ⁽¹⁾		200	D	\$131.	105(2)	42	2,221		D			
Common Stock			05/10/20	19				S ⁽¹⁾		1,100	D	\$132.3	755 ⁽³⁾ 4		1,121		D			
Common Stock 05/10/201)19	19			S ⁽¹⁾		200	D	\$133.08(4)		40,921		D				
			Table	اا - Deriva (e.g., ۱							sposed of				wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	e (Month/Day/Year)	Exec r) if any	Deemed ution Date, / th/Day/Year)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		ivative urities uired or oosed O) tr. 3, 4	Expir	te Exer ation C th/Dayi	Year) Amo Secu Und Deri		7. Title and Amount of Securities Underlying Derivative Securit (Instr. 3 and 4)		Price of rivative curity str. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Owners Form: Direct (or Indir (I) (Inst	Ownership	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exerc	cisable	Expiration Date	Title	Amo or Num of Shar	ber						
Stock Option (right to	\$24.47	05/10/2019			M			1,500	((5)	03/03/2024	Comm		00	\$0.00	11,521		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 \$130.61 to \$131.60. The average weighted price was \$131.105. 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 \$131.84 to \$132.68. The average weighted price was \$132.3755. 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 \$133.00 to \$133.16. The average weighted price was \$133.08. 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 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-05/14/2019 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.