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 burd	en
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

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 Officer (give title 2.5. Other (specify)						
	(F JEBIRD BI IEY STREI	IO, INC.	(Middle	9)	10	/10/20)18			`	nth/Day/Year)			X Officer (give title X Other (specify below) Chief Financial / and Strategy Officer						
(Street) CAMBRIDGE MA 02142				_ 4. I _	4. If Amendment, Date of 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							
(City)	(S		(Zip)																	
Table I -		le I -	2. Transaction Date (Month/Day/	on	Execution Date,		ate,	3. 4. Secur		4. Securities	s Acquired (A) or of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following		Form:	Direct Indirect Istr. 4)	7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)		
Common Stock				10/10/20)18	18			M		1,500	Α	\$24.4	47	36	5,995		D		
Common Stock				10/10/20)18				S ⁽¹⁾		1,100	D	\$134.95	518(2)	35	,895		D		
Common Stock				10/10/20	018				S ⁽¹⁾		300	D	\$135.69	967 ⁽³⁾ 35		5,595		D		
Common Stock				10/10/20	018				S ⁽¹⁾		100	D	\$136.	136.83		35,495		D		
		Т	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)	Execu	eemed ution Date, th/Day/Year)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		vative urities uired or oosed o) tr. 3, 4	· · ·		ate	7. Title and Amount of Securities Underlying Derivative Sec (Instr. 3 and 4)		De Se (In	rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	ly [LO. Ownership Form: Direct (D) Or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	e V	(A)	(D)	Date Exerc	isable	Expiration Date	Title	Amou or Numb of Share	ber						
Stock Option (right to	\$24.47	10/10/2018			М			1,500	((4)	03/03/2024	Commo Stock		0	\$0.00	22,021		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 \$134.50 to \$135.33. The average weighted price was \$134.9518. 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 \$135.55 to \$135.99. The average weighted price was \$135.6967. 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. 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-

10/12/2018

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.