FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIF				
	STATEMENT	<b>OF CHANGES</b>	IN BENEFICIAL	<b>OWNERSHIP</b>

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

1. Name and Address of Reporting Person*  Walsh Jeffrey T.						2. Issuer Name <b>and</b> Ticker or Trading Symbol bluebird bio, Inc. [ BLUE ]										of Reporting cable) or (give title			Ssuer Owner (specify	
	(Fi JEBIRD BI EY STREE	O, INC.	(Middle	e)	02	3. Date of Earliest Transaction (Month/Day/Year) 02/08/2019									below) hief Fir			below) trategy O	fficer	
(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)	(3)		(Zip)	Non-Deriv	vative	Sec	uriti	ies A	cauir	ed C	Disposed (	of or F	Renefic	ially	Owner					
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/	tion 2A. I Exec y/Year) if an		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and		(A) or	5. Amo Securit Benefic Owned		unt of ies :ially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount	(A) or (D)	Price			nsaction(s) etr. 3 and 4)			(Instr. 4)		
Common Stock				02/08/20	)19				M		1,500	A	\$24.	47	42	12,421		D		
Common Stock				02/08/20	019				S <sup>(1)</sup>		1,000	D	\$130.9	948(2)	41	1,421		D		
Common Stock			02/08/20	)19				S <sup>(1)</sup>		500	D	\$131.8	.866(3)		40,921		D			
		٦	able								sposed of s, converti				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)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exel Expiration I (Month/Day		ate	7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		De Se (In	Price of crivative curity str. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly C	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A) (D)		Date Exerc	cisable	Expiration Date	Title	Amou or Numb of Share	er						
Stock Option (right to	\$24.47	02/08/2019			D			1,500	(	(4)	03/03/2024	Commo Stock		00	\$0.00	16,021		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 \$130.60 to \$131.50. The average weighted price was \$130.9948. 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 \$131.74 to \$131.96. The average weighted price was \$131.866. 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-

02/12/2019

\*\* 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.