FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

l	OWR 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* <u>Davidson David</u>						2. Issuer Name <b>and</b> 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 Other (specify					
	(F JEBIRD BI IEY STREE	IO, INC.	(Middle	e)		Date of /06/20		est Tra	ınsactio	n (Mor	nth/Day/Year)			X	below)		Other (s below) lical Officer			
(Street) CAMBRIDGE MA 02142					_	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)		<u> </u>															
		Tab	le I -	Non-Deriv	vative	e Sec	uriti	ies A	cquir	ed, D	Disposed (	of, or l	3enefic	cially (	Owned	i c				
D D		2. Transaction Date (Month/Day/		Execution		ate,	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			5)	5. Amount of Securities Beneficially Owned Following Reported		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership			
								Code	v	Amount	(A) or (D)	Price		Transac	ansaction(s) estr. 3 and 4)			(Instr. 4)		
Common Stock 05/06/20				)19	)		M		6,360	A	\$5.5	004	37	7,976		D				
Common Stock 05/06/202				)19	)		S <sup>(1)</sup>		2,700	D	\$138.2	2471(2)	35	5,276		D				
Common Stock 05/06/2019					19	)		S <sup>(1)</sup>		2,600	D	\$139.2	\$139.2437 <sup>(3)</sup>		32,676		D			
Common Stock 05/06/2019					19	.9			S <sup>(1)</sup>		1,060	D	\$140.0	\$140.0164 <sup>(4)</sup>		31,616		D		
		٦	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 if any			action (Instr.	5. Number		Expir	te Exer ation D th/Day/		7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		De Se (In	Price of erivative ecurity istr. 5)	9. Number derivative Securities Securities Gwned Following Reported Transactio (Instr. 4)	Own Form Direct or In (I) (In	LO. 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	Amo or Num of Shar	ber						
Stock Option (right to	\$5.5004	05/06/2019			M			6,360	(	(5)	01/16/2023	Comm		60	\$0.00	330		D		

## **Explanation of Responses:**

- $1.\ The\ sales\ reported\ in\ this\ Form\ 4\ were\ effected\ pursuant\ to\ a\ Rule\ 10b5-1\ trading\ plan\ adopted\ by\ the\ reporting\ person\ on\ January\ 10,\ 2019.$
- 2. The range in prices for the transaction reported on this line was \$137.69 to \$138.66. The average weighted price was \$138.2471. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- 3. The range in prices for the transaction reported on this line was \$138.70 to \$139.69. The average weighted price was \$139.2437. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- 4. The range in prices for the transaction reported on this line was \$139.70 to \$140.53. The average weighted price was \$140.0164. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.
- 5. 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, April 1, 2013 and May 1, 2013. The shares underlying these options vested as follows: 25% vested on January 1, 2014, April 1, 2014 and May 1, 2014, respectively, with the remainder of the shares vesting in equal monthly installments over the following three years.

## Remarks:

buv)

/s/ Jason F. Cole, Attorney-in-05/08/2019 **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.