FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APP	ROVAL
OMB Number:	3235-0287
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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*     Davidson David					2. Issuer Name <b>and</b> Ticker or Trading Symbol bluebird bio, Inc. [ BLUE ]								(Check	all applic	cable)		Issuer Owner er (specify	
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET					3. Date of Earliest Transaction (Month/Day/Year) 08/06/2019								X	below) below)  Chief Medical Officer				
(Street) CAMBRIDGE MA 02142				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line) X	,				
(City)	(S	itate)	(Zip)												1 01301			
		Tab	le I -	Non-Deri	vativ	e Sec	uriti	es A	cquir	ed, D	isposed (	of, or E	Benefic	ially (	Owned	l		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2. Transaction Date (Month/Day/		Execut if any	A. Deemed kecution Date, any lonth/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			Benefi		ies ially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect		
									Code	v	Amount	(A) or (D)	Price	Transac (Instr. 3		ction(s)		(11154114)
Common Stock 08/06/202			)19	)			M		5,060	A	\$50.51		36,676		D			
Common Stock 08/06/2			08/06/20	)19				S <sup>(1)</sup>		2,960	D	\$115.2473 <sup>(2)</sup>		33	33,716			
Common Stock 08/06/202				)19	)			S <sup>(1)</sup>		800	D	\$116.107 <sup>(3)</sup>		32,916		D		
Common Stock 08/06/201				)19	9		S <sup>(1)</sup>		900	D	\$117.7722(4)		32,016		D			
Common Stock 08/06/201			)19	9		S <sup>(1)</sup>		400	D	\$118.44		31,616		D				
		7	able								sposed of				wned			
Derivative Conversion Date Execuserity or Exercise (Month/Day/Year) if any		eemed 4. ution Date, Trans		ransaction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		De Se (In	Price of rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4	Beneficia Ownersh ect (Instr. 4)			
						Code	(D)	Date Exercisable		Expiration Date	Title	Amou or Numl of Share	oer					
Stock Option (right to	\$50.51	08/06/2019			М			5,060		(5)	03/01/2026	Commo		50	\$0.00	14,685	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 \$114.58 to \$115.50. The average weighted price was \$115.2473. 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 \$115.81 to \$116.80. The average weighted price was \$116.107. 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 \$117.27 to \$118.18. The average weighted price was \$117.7722. 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 vests over a four-year period, at a rate of twenty-five percent (25%) on January 4, 2017 and in 36 equal monthly installments thereafter.

## Remarks:

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

08/08/2019

**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.