FORM 4

obligations may continue. See

Instruction 1(b)

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden 0.5 hours per response:

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 and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]								(Check	all appli Directo	cable)	Person(s) to Is 10% O Other (wner
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET					09	3. Date of Earliest Transaction (Month/Day/Year) 09/04/2018								X					
(Street) CAMBRIDGE MA 02142				_	4. If Amendment, Date of Original Filed (Month/Day/Year)									5. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(5	State)	(Zip)																
Table I - Non-Derive 1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye					on	2A. Deemed Execution Date,		3. Transaction Code (Instr. 8)		Disposed of, or Benefi 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			5. Amo Securit Benefic		unt of ies ially Following	6. Owner Form: D	Direct ndirect r. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(A) or (D)	Price		Transac (Instr. 3	ction(s)			(111511.4)
Common Stock				09/04/20)18				M		7,000	A	\$5.5004		31	31,905)	
Common Stock				09/04/2018					S ⁽¹⁾		2,422	D	\$165.5	65.5288 ⁽²⁾		29,483			
Common Stock			09/04/20	09/04/2018				S ⁽¹⁾		2,083	D	\$166.5	\$166.5008 ⁽³⁾		27,400				
Common Stock 09/04/201)18	8		S ⁽¹⁾		1,070	D	\$167.2986 ⁽⁴⁾		26,330		Γ				
Common Stock 09/04/201)18	8		S ⁽¹⁾		1,425	D	\$168.2464 ⁽⁵⁾		24,905		Γ				
			Table								sposed of				wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year	Exec Day/Year) if any	eemed ution Date,	4. Transa Code (8)	action	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Dat		cisable and	7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		8. De Se (In	Price of rivative curity str. 5)	9. Number derivative Securities Securities Owned Following Reported Transactio (Instr. 4)	Owi Fori Dire or li (I) (I). wnership orm: rect (D) Indirect (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exerc	isable	Expiration Date	Title	Amou or Numb of Share	er	er				
Stock Option (right to	\$5.5004	09/04/2018			M			7,000		(6)	01/16/2023	Comm Stock		00	\$0.00	36,951		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 December 13, 2017.
- 2. The range in prices for the transaction reported on this line was \$165.00 to \$165.95. The average weighted price was \$165.5288. 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 \$166.00 to \$166.95. The average weighted price was \$166.5008. 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 \$167.00 to \$167.75. The average weighted price was \$167.2986. 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. The range in prices for the transaction reported on this line was \$168.10 to \$168.50. The average weighted price was \$168.2464. 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.
- 6. 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. The shares underlying these options vested as follows: 25% vested on January 1, 2014, with the remainder of the shares vesting in equal monthly installments over the following three years.

Remarks:

/s/ Jason F. Cole, Attorney-in-09/06/2018

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.