FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
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).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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 and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner					
(Last)	(F JEBIRD B		Middle)			3. Date of Earliest Transaction (Month/Day/Year) 05/01/2017									Officer (give title below)			(specify	
60 BINNEY STREET						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street)	RIDGE M	MA 02142													X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(S	tate) (Zip)																
		Tab						ies A	-	d, C	isposed			ally (
			Date	2. Transaction Date (Month/Day/Year		Execution D			3. Transaction Code (Instr. 8)		4. Securities Acquired Disposed Of (D) (Instr.				Securities I Beneficially (Owned I		6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership	
									Code V		Amount	(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(Instr. 4)	
Common Stock				/01/201	17				M		3,000	A	\$2.0	19	2	20,177	D		
Common Stock			05/	/01/201	17				S ⁽¹⁾		1,010	D	\$87.57	792(2)		19,167	D		
Common Stock 05/			/01/201	17				S ⁽¹⁾		990	D	\$88.60	3.6096(3)		18,177	D			
Common Stock 05/01/2				/01/201				S ⁽¹⁾		1,000	D	\$90.03(4)			17,177	D			
		Ta									posed of converti				vned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)		4. Transactio Code (Inst				s		ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Pri of Deriv Secu (Insti	vative rity r. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
Stock						v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amount or Number of Shares						
Option (right to buy)	\$2.09	05/01/2017			M			3,000	(5)		04/13/2022	Common Stock	3,000	\$0.	.00	12,239	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 12, 2016.
- 2. The range of prices for the transaction reported on this line was \$87.10 to \$88.00. The average weighted price was \$87.5792. 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 \$88.15 to \$89.10. The average weighted price was \$88.6096. 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. The range of prices for the transaction reported on this line was \$90.00 to \$90.05. The average weighted price was \$90.03. 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.
- 5. This option vests over a four-year period, at a rate of twenty-five percent (25%) on February 13, 2013 and in 36 equal monthly installments thereafter.

Remarks:

/s/Jason F. Cole, Attorney-in-Fact 05/03/2017

** 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.