Davidson David Form 4 January 05, 2018

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

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

obligations

may continue.

See Instruction

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

30(h) of the Investment Company Act of 1940

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **Davidson David** Issuer Symbol bluebird bio, Inc. [BLUE] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title _ Other (specify C/O BLUEBIRD BIO, INC., 60 01/03/2018 below) **BINNEY STREET** Chief Medical Officer (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting CAMBRIDGE, MA 02142 Person

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	ecution Date, if Transactior Disposed of (D) y Code (Instr. 3, 4 and 5) Ionth/Day/Year) (Instr. 8) (A) or			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Stock	01/03/2018		Code V M	Amount 6,000	(D)	Price \$ 5.5004	21,977	D		
Common Stock	01/03/2018		S <u>(1)</u>	2,500	D	\$ 179.5801 (2)	19,477	D		
Common Stock	01/03/2018		S <u>(1)</u>	2,468	D	\$ 180.362 (3)	17,009	D		
Common Stock	01/03/2018		S <u>(1)</u>	757	D	\$ 181.7018 (4)	16,252	D		
	01/03/2018		S <u>(1)</u>	275	D		15,977	D		

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Common

Stock 182.3591 (5)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

8.1 De Sec (In

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. 5. Number Transaction Derivative			6. Date Exercisable and Expiration Date		7. Title and Amount of Underlying Securities	
Security (Instr. 3)	or Exercise Price of	(Monal Day Tear)	any (Month/Day/Year)	Code (Instr. 8)	Code Securities (Instr. 8) Acquired		(Month/Day/Year)		(Instr. 3 and 4)	
	Derivative Security			(A) or Disposed of						
					(D) (Instr. 3, 4, and 5)					
						Date Exercisable	Expiration Date	Title	Amount or Number of	
				Code V	(A) (D)				Shares	
Stock Option (right to buy)	\$ 5.5004	01/03/2018		M	6,000	(6)	01/16/2023	Common Stock	6,000	

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Davidson David

C/O BLUEBIRD BIO, INC. **60 BINNEY STREET** CAMBRIDGE, MA 02142

Chief Medical Officer

Signatures

/s/Jason F. Cole, 01/05/2018 Attorney-in-Fact

**Signature of Reporting Person Date

Reporting Owners 2

Explanation of Responses:

- * 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).
- (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.
- The range of prices for the transaction reported on this line was \$179.00 to \$179.95. The average weighted price was \$179.5801. 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.
- The range of prices for the transaction reported on this line was \$180.00 to \$180.85. The average weighted price was \$180.3620. 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.
- The range of prices for the transaction reported on this line was \$181.05 to \$182.00. The average weighted price was \$181.7018. 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.
- The range of prices for the transaction reported on this line was \$182.20 to \$182.45. The average weighted price was \$182.3591. 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.
- This option to purchase shares of our common stock was granted on January 16, 2013 with performance-based vesting criteria that were (6) met as of April 1, 2013. The shares underlying these options vested as follows: 25% vested on April 1, 2014, with the remainder of the shares vesting in equal monthly installments over the following three years

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.