Davidson David Form 4 November 03, 2017

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. 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		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
			(Month/Day/Year)	Director 10% Owner		
C/O BLUEBIRD BIO, INC., 60 BINNEY STREET (Street)			11/01/2017	X Officer (give title Other (specify below)		
				Chief Medical Officer		
			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line)		
CAMBRIDG	E, MA 021	42		_X_ Form filed by One Reporting Person Form filed by More than One Reporting 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)	3. 4. Securities Acquired (A) Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or			5. Amount of Securities Ownership Beneficially Form: Owned Direct (D) Following or Indirect Reported (I) Transaction(s) (Instr. 4) (Instr. 3 and 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
Common	11/01/0017		Code V	Amount	()	Price	· ·			
Stock	11/01/2017		M	4,000	A	\$ 5.5004	19,977	D		
Common Stock	11/01/2017		S(1)	1,628	D	\$ 144.436 (2)	18,349	D		
Common Stock	11/01/2017		S <u>(1)</u>	1,272	D	\$ 145.3852 (3)	17,077	D		
Common Stock	11/01/2017		S <u>(1)</u>	1,100	D	\$ 146.1364 (4)	15,977	D		

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

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4. 5. Number		6. Date Exercisable and		7. Title and Amount of	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction of Derivative		Expiration Date		Underlying Securities	
Security	or Exercise		any	Code	Securities	(Month/Day/Year)		(Instr. 3 and 4)	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired				
	Derivative				(A) or				
	Security				Disposed of	osed of			
					(D)				
				(Instr. 3, 4,					
				and 5)					
									Amount
						Date	Expiration		or
						Exercisable	Date	Title	Number
						Excreisable	Dute		of
				Code V	(A) (D)				Shares
Stock									
Option								Common	
_	\$ 5.5004	11/01/2017		M	4,000	(5)	01/16/2023		4,000
(right to								Stock	
buy)									

Reporting Owners

Reporting Owner Name / Address Relationships

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, Attorney-in-Fact

**Signature of Reporting Person Date

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 \$144.00 to \$144.85. The average weighted price was \$144.4360. 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.

Reporting Owners 2

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- The range of prices for the transaction reported on this line was \$145.00 to \$145.75. The average weighted price was \$145.3852. 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 \$146.00 to \$146.75. The average weighted price was \$146.1364. 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 (5) met as of May 1, 2013. The shares underlying these options vested as follows: 25% vested on May 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.