Davidson David Form 4 August 03, 2017

FORM 4

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

OMB Number: 3235-0287

Estimated average

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005

OMB APPROVAL

subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction

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 30(h) of the Investment Company Act of 1940

burden hours per response... 0.5

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 (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check an applicable)		
C/O BLUEBIRD BIO, INC., 60 BINNEY STREET		IC., 60	(Month/Day/Year) 08/01/2017	Director 10% Owner _X Officer (give title Other (specify below) Chief Medical Officer		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
CAMBRIDG	E, MA 0214	-2	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tab	le I - Non-	Derivativ	e Secu	rities Acqui	red, Disposed of,	or Beneficiall	y 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 Ad Transactioner Disposed of Code (Instr. 3, 4 and (Instr. 8) (A) or Code V Amount (D)			(D)	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	08/01/2017		M	3,000	A	\$ 2.09	18,977	D	
Common Stock	08/01/2017		S <u>(1)</u>	1,800	D	\$ 91.8407 (2)	17,177	D	
Common Stock	08/01/2017		S <u>(1)</u>	1,100	D	\$ 93.0318 (3)	16,077	D	
Common Stock	08/01/2017		S <u>(1)</u>	100	D	\$ 94.5125 (4)	15,977	D	

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

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 control number.

SEC 1474 (9-02)

> 8. l 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 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. Transactic Code (Instr. 8)	ransaction Derivative ode Securities		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 2.09	08/01/2017		M	3,	,000	(5)	04/13/2022	Common Stock	3,000

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

08/03/2017

**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 \$91.60 to \$92.50. The average weighted price was \$91.8407. The

(2) 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 \$93.00 to \$93.20. The average weighted price was \$93.0318. The
- (3) 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 \$94.50 to \$94.55. The average weighted price was \$94.5125. The
- (4) 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 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.

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.