bluebird bio, Inc. Form 4 January 09, 2017

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287 January 31,

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: 2005
Estimated average burden hours per

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

response... 0.5

1(b).

(City)

(State)

(Zip)

(Print or Type Responses)

1. Name and Address of Reporting Person * Davidson David	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle)	bluebird bio, Inc. [BLUE] 3. Date of Earliest Transaction	(Check all applicable)			
C/O BLUEBIRD BIO, INC., 150 SECOND STREET	(Month/Day/Year) 01/05/2017	Director 10% OwnerX_ Officer (give title Other (specibelow) below) Chief Medical Officer			
(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
CAMBRIDGE, MA 02141		Form filed by More than One Reporting Person			

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1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities A	cquired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	on(A) or Dispose	ed of	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(D)		Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)		Owned	Indirect (I)	Ownership
						Following	(Instr. 4)	(Instr. 4)
				(1)		Reported		
				(A) or		Transaction(s)		
			Code V	Amount (D)		(Instr. 3 and 4)		
Common					\$			
Stock	01/05/2017		S	923 (1) D	67.1 (2)	8,677	D	

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

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SEC 1474

(9-02)

Table I. Non Derivative Securities Acquired Disposed of or Reposicially Own

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

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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)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D)		ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr	
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title N	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Davidson David C/O BLUEBIRD BIO, INC. 150 SECOND STREET CAMBRIDGE, MA 02141

Chief Medical Officer

Signatures

/s/ Jason F. Cole, Attorney-in-Fact

01/09/2017

Date

**Signature of Reporting Person

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) Shares were sold to cover tax withholding obligations incurred in connection with the vesting of Restricted Stock Units.
- The range in prices for the transaction reported on this line was \$67.00 to \$67.50. The average weighted price was \$67.10. 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.

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.

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