bluebird bio, Inc. Form 4 September 17, 2015

FORM 4

Form 4 or

obligations

may continue.

See Instruction

Form 5

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

Check this box if no longer subject to Section 16.

SECURITIES

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

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., 150 09/15/2015 below) SECOND 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 02141 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 Code V Amount (D) Price			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	09/15/2015		M	2,000	A	\$ 2.09	2,000	D	
Common Stock	09/15/2015		S <u>(1)</u>	1,279	D	\$ 129.3558 (2)	721	D	
Common Stock	09/15/2015		S <u>(1)</u>	270	D	\$ 130.1079 (3)	451	D	
Common Stock	09/15/2015		S <u>(1)</u>	273	D	\$ 131.3514 (4)	178	D	

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3235-0287

January 31,

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\$ Common $S^{(1)}$ 09/15/2015 178 D 132.1787 0 D Stock (5)

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 3. Transaction Date 3A. Deemed 6. Date Exercisable and 5. Number 7. Title and Amount of 8. l Derivative Conversion (Month/Day/Year) Execution Date, if Transaction of Derivative Expiration Date Underlying Securities Security or Exercise Code Securities (Month/Day/Year) (Instr. 3 and 4) Price of (Instr. 8) Acquired (Instr. 3) (Month/Day/Year) Derivative (A) or Security Disposed of (D) (Instr. 3, 4, and 5) Amount or Date Expiration Title Number Exercisable Date of Code V (A) (D) Shares Stock Option Common (6) 04/13/2022 \$ 2.09 2,000 2,000 09/15/2015 M Stock (right to buy)

Reporting Owners

Relationships Reporting Owner Name / Address

> 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, 09/17/2015 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 January 14, 2015.
- The range of prices for the transaction reported on this line was \$128.70 to \$129.69. The average weighted price was \$129.3558. 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 \$129.79 to \$130.7050. The average weighted price was \$130.1079. 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 \$130.86 to \$131.84. The average weighted price was \$131.3514. 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 \$131.89 to \$132.57. The average weighted price was \$132.1787. 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.
- (6) 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.