bluebird bio, Inc. Form 4 September 04, 2015

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

Number: 3235-0287

January 31,

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if no longer subject to Section 16. Form 4 or

Check this box

Form 5 obligations may continue.

See Instruction

Filed pure Section 17(a

(Ctata)

(7:n)

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).

(C:+-)

(Print or Type Responses)

1. Name and Address of Reporting Person * Sullivan Eric			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		NC., 150	(Month/Day/Year) 09/02/2015	Director 10% OwnerX_ Officer (give title Other (specif below) Principal Accounting 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 Form filed by More than One Reporting Person			
CAMBRIDGE, MA 02141							

(City)	(State)	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. Transaction Code (Instr. 8)		sed of 4 and	` ′	5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)		
Common Stock	09/02/2015		M	250	A	\$ 20.7	3,468	D		
Common Stock	09/02/2015		M	166	A	\$ 24.47	3,634	D		
Common Stock	09/02/2015		S <u>(1)</u>	416	D	\$ 130.9405 (2)	3,218	D		

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

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(9-02)

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displays a currently valid OMB control number.

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. Transacti Code (Instr. 8)			6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Pri Deriv Secur (Instr
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Options (right to buy)	\$ 20.7	09/02/2015		M		250	(3)	12/02/2023	Common Stock	250	\$
Stock Option (right to buy)	\$ 24.47	09/02/2015		M		166	<u>(4)</u>	03/03/2024	Common Stock	166	\$

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Sullivan Eric

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

Principal Accounting Officer

Signatures

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

09/04/2015

**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 the Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on January 5, 2015.

Reporting Owners 2

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- The range in prices for the transaction reported on this line was \$130.8600 to \$131.0650. The average weighted price was \$130.9405. 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.
- (3) This option vests over a four-year period, at a rate of twenty-five percent(25%) on November 11, 2014 and in 36 equal monthly installments thereafter.
- (4) This option vests over a four-year period, at a rate of twenty-five percent(25%) on January 1, 2015 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.