bluebird bio, Inc. Form 4 July 21, 2015

FORM 4

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

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005
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OMB APPROVAL

3235-0287

OMB

Number:

Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

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

(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 Sullivan Eric Issuer Symbol bluebird bio, Inc. [BLUE] (Check all applicable) (First) (Middle) 3. Date of Earliest Transaction (Last) (Month/Day/Year) Director 10% Owner _X__ Officer (give title) _ Other (specify C/O BLUEBIRD BIO, INC., 150 07/17/2015 below) below) SECOND STREET Principal Accounting Officer (Street) 6. Individual or Joint/Group Filing(Check 4. If Amendment, Date Original 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) Tak	ole I - Non-	Derivativ	e Secı	irities Acquir	ed, Disposed of,	or Beneficially	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 Acquired Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			(D) 5)	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	07/17/2015		Code V S	Amount 444 (1)	,	Price \$ 164.5824	3,772	D	
Common Stock	07/20/2015		S(2)	512	D	\$ 162.235 (3)	3,260	D	
Common Stock	07/20/2015		S(2)	156	D	\$ 163.5181 (4)	3,104	D	
Common Stock	07/20/2015		S(2)	14	D	\$ 164	3,090	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 II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)		4.	5. onNumber	6. Date Exerc Expiration D		7. Titl		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(Month/Day/Tear)	any (Month/Day/Year)	Code (Instr. 8)	of	(Month/Day/		Under Securi	rlying	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> 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, 07/21/2015 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).
- Shares were sold to cover tax withholding obligations incurred in connection with the vesting of Restricted Stock Units.
- 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, **(2)**
- The range in prices for the transaction reported on this line was \$161.66 to \$162.59. The average weighted price was \$162.2350. The (3) 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.
- (4) The range in prices for the transaction reported on this line was \$162.75 to \$163.96. The average weighted price was \$163.5181. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number

Reporting Owners 2

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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.