SEC Form 4	
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average	hurden								

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hours not reenance.	
hours per response:	0.5

1. Name and Addres Sullivan Eric	ss of Reporting Perso	on*	2. Issuer Name and Ticker or Trading Symbol <u>bluebird bio, Inc.</u> [BLUE]		tionship of Reporting Per all applicable) Director	son(s) to Issuer 10% Owner	
P				x	Officer (give title	Other (specify	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)		below)	below)	
			06/29/2017		Principal Accounti	ing Officer	
60 BINNEY STREET							
<u>,</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)		idual or Joint/Group Filing	g (Check Applicable	
(Street)				Line)			
CAMBRIDGE	E MA 02142				Form filed by One Reporting Person		
					Form filed by More that Person	n One Reporting	
(City)	(State)	(Zip)					

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

2. Transaction				1					
Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
		Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)
06/29/2017		М		2,000	A	\$20.7	8,466	D	
06/29/2017		М		1,298	A	\$24.47	9,764	D	
06/29/2017		М		3,430	A	\$50.51	13,194	D	
06/29/2017		S		3,293	D	\$108.0204 ⁽¹⁾	9,901	D	
06/29/2017		S		1,611	D	\$109.4143 ⁽²⁾	8,290	D	
06/29/2017		S		1,824	D	\$110.2784 ⁽³⁾	6,466	D	
06/29/2017		S		59	D	\$108.55	6,407	D	
							300	I	By spouse ⁽⁴⁾
	06/29/2017 06/29/2017 06/29/2017 06/29/2017 06/29/2017 06/29/2017	Markan Ma Markan Markan Mark	(Month/Day/Year) 8) (Month/Day/Year) 8) 06/29/2017 M 06/29/2017 S 06/29/2017 S 06/29/2017 S	(Month/Day/Year) 8) (Month/Day/Year) Rol 1 06/29/2017 M 1 06/29/2017 M M 1 M M M M 1	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	(Month/Day/Year) if any (Month/Day/Year) Code (Instr. 8) Instruction (A) (D) Price 06/29/2017 M V Amount (A) or (D) Price 06/29/2017 M V 2,000 A \$20.7 06/29/2017 M M 1,298 A \$24.47 06/29/2017 M M 3,430 A \$50.51 06/29/2017 S S 3,293 D \$108.0204 ⁽¹⁾ 06/29/2017 S S 1,611 D \$109.4143 ⁽²⁾ 06/29/2017 S S 1,824 D \$110.2784 ⁽³⁾	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$

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

(-3),,,,,,,,																	
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. Transa Code (8)		n of I		of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4		6. Date Exercisable and Expiration Date (Month/Day/Year)		nd 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares						
Stock Options (right to buy)	\$20.7	06/29/2017		М			2,000	(5)	12/02/2023	Common Stock	2,000	\$0.00	1,250	D			
Stock Option (right to buy)	\$24.47	06/29/2017		М			1,298	(6)	03/03/2024	Common Stock	1,298	\$0.00	1,216	D			
Stock Option (right to buy)	\$50.51	06/29/2017		М			3,430	(7)	03/01/2026	Common Stock	3,430	\$0.00	6,270	D			

Explanation of Responses:

1. The range in prices for the transaction reported on this line was \$108.00 to \$108.15. The average weighted price was \$108.0204. 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.

2. The range in prices for the transaction reported on this line was \$109.00 to \$109.50. The average weighted price was \$109.4143. 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. The range in prices for the transaction reported on this line was \$110.00 to \$110.95. The average weighted price was \$110.2784. 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.

4. Equity grants held by the reporting person's spouse, who is employed by the issuer

5. 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.

6. 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.

7. This option vests over a four-year period, at a rate of twenty-five percent (25%) on January 4, 2017, and in 36 equal monthly installments.

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

Fact

06/30/2017

** Signature of Reporting Person Date

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

 * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.