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. Forn	n 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

hours per response:	
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1. Name and Address of Reporting Person <sup>*</sup> Davidson David			2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>bluebird bio, Inc.</u> [BLUE ]		tionship of Reporting Perso all applicable) Director	10% Owner	
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 06/01/2017	Х	Officer (give title below) Chief Medical O	Other (specify below) Officer	
(Street) CAMBRIDGE MA 02142 (City) (State) (Zip)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	idual or Joint/Group Filing Form filed by One Repor Form filed by More than Person	ting Person	

#### 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. Transa Code ( 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(1150.4)
Common Stock	06/01/2017		М		2,000	A	\$2.09	19,177	D	
Common Stock	06/01/2017		<b>S</b> <sup>(1)</sup>		2,000	D	<b>\$75.4247</b> <sup>(2)</sup>	17,177	D	

#### 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. Transa Code ( 8)		of		6. Date Exercisable and Expiration Date (Month/Day/Year)		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 Option (right to buy)	\$2.09	06/01/2017		М			2,000	(3)	04/13/2022	Common Stock	2,000	\$0.00	10,239	D	

Explanation of Responses:

1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 12, 2016.

2. The range of prices for the transaction reported on this line was \$74.75 to \$75.75. The average weighted price was \$75.4247. 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.

3. 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.

**Remarks:** 

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

\*\* Signature of Reporting Person

Date

06/05/2017

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.