Gregory Philip D Form 4 October 10, 2018

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 5 obligations may continue. See Instruction

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 * Gregory Philip D	2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]	5. Relationship of Reporting Person(s) to Issuer		
(Last) (First) (Middle)	3. Date of Earliest Transaction	(Check all applicable)		
C/O BLUEBIRD BIO, INC., 60 BINNEY STREET	(Month/Day/Year) 10/05/2018	Director 10% OwnerX Officer (give title Other (specify below) Chief Scientific Officer		
(Street)	4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
CAMBRIDGE, MA 02142	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tab	ole I - Non-	Derivativ	e Seci	ırities Acquir	ed, 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)	or Dispo (Instr. 3,	sed of 4 and (A) or	` ′	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	10/05/2018		M	Amount 600	A	\$ 50.51	32,471	D	
Common Stock	10/05/2018		M	700	A	\$ 75.6	33,171	D	
Common Stock	10/05/2018		S <u>(1)</u>	390	D	\$ 139.8536 (2)	32,781	D	
Common Stock	10/05/2018		S <u>(1)</u>	1,410	D	\$ 140.75 (3)	31,371	D	

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

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 control number.

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 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. Transactic Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	Expiration I (Month/Day	Date	7. Title and Underlying (Instr. 3 and	Securities	8. Pri Deriv Secur (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (right to buy)	\$ 50.51	10/05/2018		M	600	<u>(4)</u>	03/01/2026	Common Stock	600	\$
Stock Option (right to buy)	\$ 75.6	10/05/2018		M	700	(5)	02/01/2027	Common Stock	700	\$

Reporting Owners

Reporting Owner Name / Address	Relationships
Renorting () wher Name / Address	

Director 10% Owner Officer Other

Gregory Philip D

C/O BLUEBIRD BIO, INC. 60 BINNEY STREET

Chief Scientific Officer

CAMBRIDGE, MA 02142

Signatures

/s/ Jason F. Cole, 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).

Reporting Owners 2

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- (1) The sales reported in this Form 4 were effected pursuant to a 10b5-1 trading plan adopted by the reporting person on July 2, 2018.
- The range in prices for the transaction reported on this line was \$139.44 to \$140.27. The average weighted price was \$139.8536. 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.
- The range in prices for the transaction reported on this line was \$140.47 to \$141.405. The average weighted price was \$140.75. 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.
- 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 **(4)** thereafter.
- This option vests over a four-year period, at a rate of twenty-five percent (25%) on January 4, 2018 and in 36 equal monthly installments **(5)** 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.