Gregory Philip D Form 4 January 09, 2018

FORM 4

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

OMB 3235-0287 Number:

burden hours per

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005 Estimated average

0.5

Form 4 or 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

SECURITIES

response...

1(b).

(Print or Type Responses)

1. Name and Address of Report Gregory Philip D	rting Person *	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
		bluebird bio, Inc. [BLUE]	(Check all applicable)			
(Last) (First)	(Middle)	3. Date of Earliest Transaction				
		(Month/Day/Year)	Director 10% Owner			
C/O BLUEBIRD BIO, INC., 60 BINNEY STREET (Street)		01/05/2018	X Officer (give title Other (specify below)			
			Chief Scientific Officer			
		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
		Filed(Month/Day/Year)	Applicable Line)			
			X Form filed by One Reporting Person			
CAMBRIDGE, MA 021	42		Form filed by More than One Reporting Person			

CAMBRIDGE, MA 02142

(Ctota)

(7:n)

(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)		ed of	(D)	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	01/05/2018		S	1,489 (1)	D	\$ 173.2569 (2)	23,995	D		
Common Stock	01/05/2018		S	223 <u>(1)</u> 1	D	\$ 174.1705 (3)	23,772	D		

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orNumber	Expiration D	ate	Amount	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								^	mount		
									mount		
						Date	Expiration	Title N			
						Exercisable	Date	Title Number of			
				C + V	(A) (D)						
				Code V	(A) (D)			S	hares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Officer Other Director 10% Owner

Gregory Philip D C/O BLUEBIRD BIO, INC. **60 BINNEY STREET** CAMBRIDGE, MA 02142

Chief Scientific Officer

Signatures

/s/ Jason F. Cole, 01/09/2018 Attorney-in-Fact

**Signature of Reporting Person

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) Shares were sold to cover tax withholding obligations incurred in connection with the vesting of Restricted Stock Units.
- The range in prices for the transaction reported on this line was \$172.85 to \$173.80. The average weighted price was \$173.2569. The (2) 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 \$173.85 to \$174.35. The average weighted price was \$174.1705. 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.

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.

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