## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL										
OMB Number:	3235-028									
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Check this box if no longer subject to 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 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person*     Gregory Philip D						bluebird bio, Inc. [ BLUE ]									all appli Directo	or	1	L0% Ov	wner
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET						3. Date of Earliest Transaction (Month/Day/Year) 03/05/2019								X	Officer (give title below)  Chief Scientific Officer				
OU BINNET STREET					_ 4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line)					
(Street) CAMBR	t) MBRIDGE MA 02142													X Form filed by One Reporting Person					
														Form filed by More than One Reporting Person					
(City)	(S		(Zip)																
1 Tido of 6	Saarreiter (Ince		le I -	1				es A	cquir	ed, L	Oisposed (			ally (	5. Amo		6 Owner	hin .	7. Nature
1. Title of Security (Instr. 3)				2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, r) if any (Month/Day/Year)		Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			d 5) See Be		ies ially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		of Indirect Beneficial Ownership	
							Code	v	Amount	(A) or (D) Price			Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)		
Common Stock			03/05/20	)19	19			M		600	A	\$50.51		33	,692	D			
Common Stock			03/05/20	)19				M		700	A	\$75.	\$75.6		,392	D			
Common Stock			03/05/20	3/05/2019				S <sup>(1)</sup>		600	D	\$146.015 <sup>(2)</sup>		33	3,792	D			
Common Stock				03/05/2019					S <sup>(1)</sup>		300	D	\$147.3767 <sup>(3)</sup>		33	33,492			
Common Stock				03/05/2019				S <sup>(1)</sup>		300	D	\$148.5783 <sup>(4)</sup>		33	33,192				
Common Stock 03/05/20					)19	.9		S <sup>(1)</sup>		600	D	\$149.1392 <sup>(5)</sup>		32,592		D			
		Т	able								sposed of s, converti				wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	e Execu		4. Transa Code ( 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expira	e Exer ation D h/Day/		7. Title Amoun Securiti Underly Derivati (Instr. 3	t of ies ving ive Security	Der Sec (Ins	Price of erivative ecurity nstr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Own Forn Direc or In (I) (II	ership 1: ct (D) direct 1str. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisab		Expiration Date	Amo or Num of Title Shar		r					
Stock		I	I			1	l	1	1			l	1						l

## **Explanation of Responses:**

\$50.51

\$75.6

- 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.
- 2. The range in prices for the transaction reported on this line was \$146.00 to \$146.06. The average weighted price was \$146.015. 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.

(6)

(7)

600

700

- 3. The range in prices for the transaction reported on this line was \$147.15 to \$147.54. The average weighted price was \$147.3767. 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. The range in prices for the transaction reported on this line was \$148.555 to \$148.61. The average weighted price was \$148.5783. 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.
- 5. The range in prices for the transaction reported on this line was \$149.01 to \$149.32. The average weighted price was \$149.1392. 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.
- 6. 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 thereafter.

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7. 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 thereafter.

## Remarks:

Option

buy) Stock Option

(right to

(right to buy)

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

**Fact** 

Common

Stock

Commor

Stock

03/01/2026

02/01/2027

600

700

\$0.00

\$0.00

\*\* Signature of Reporting Person

Date

03/07/2019

12,200

28,500

D

D

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).

03/05/2019

03/05/2019

\*\* 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.