## FORM 4

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

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

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	OMB APPROVAL							
	OMB Number:	3235-0287						
l	Estimated average burden							
l	hours per response:	0.5						

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

1. Name and Address of Reporting Person*  Gregory Philip D						2. Issuer Name <b>and</b> Ticker or Trading Symbol bluebird bio, Inc. [ BLUE ]									all appl	,	g Pers	son(s) to Is: 10% O Other (	wner
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET						3. Date of Earliest Transaction (Month/Day/Year) 08/08/2019									below)  Chief Scientific Officer				
(Street)					_ 4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line)	vidual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person				
CAMBR	IDGE M	IA .	02142	2	_									Λ		filed by Mor		Ü	
(City)	(S	tate)	(Zip)																
		Tab	le I -	Non-Deri	vativ	e Sec	uriti	es A	cquire	ed, C	Disposed	of, or E	3enefic	ially	Owne	d			
1. Title of Security (Instr. 3)  2. Transactio Date (Month/Day/Y			Execution Date,			3. Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			d 5) Secur Benef Owne		cially Following	Form (D) o	wnership n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership			
							Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)		
Common Stock 08/08/201				)19	9			M		700	A	\$75	5.6	33	31,042		D		
Common Stock 08/08/201			)19	9			S <sup>(1)</sup>		950	D \$124.0254 <sup>(2)</sup>		254 <sup>(2)</sup>	30,092			D			
		Т	able								sposed of				wned		,	·	
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Exect if any	eemed ution Date, th/Day/Year)		nsaction de (Instr. Secondary (A) of Disport (D)		osed ) r. 3, 4	6. Date Exerc Expiration Da (Month/Day/Y		ate	7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		De Sec (In:	Price of rivative curity str. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Ow For Dire or I (I) (	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exerci	sable	Expiration Date	Title	Amou or Numb of Share	er	r				
Stock Option (right to	\$75.6	08/08/2019			M			700	(3	3)	02/01/2027	Commo Stock	1 /111	) :	\$0.00	25,000		D	

## **Explanation of Responses:**

- 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 \$124.00 to \$124.05. The average weighted price was \$124.0254. 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. 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:

/s/ Jason F. Cole, Attorney-in-08/12/2019 **Fact** 

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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.