## FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
--

OMB APPROVAL OMB Number: Estimated average burden 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 and Ticker or Trading Symbol bluebird bio, Inc. [ BLUE ]										of Reporting icable) or give title	g Per	Person(s) to Issuer  10% Owner  Other (specify	
	(F JEBIRD BI IEY STREI					3. Date of Earliest Transaction (Month/Day/Year) 01/10/2020									below) below)  Chief Scientific Officer				
(Street)					_ 4.1	If Amer	ndmen	t, Date	e of Origin	al F	iled (Month/D	ay/Year)		Line)		Joint/Group			·
CAMBR	IDGE M	IA (	02142											X	Form filed by More than One Reporting				
(City)	(S	tate)	(Zip)												Perso	iri			
		Tab	le I - I	Non-Deri	vative	e Sec	uriti	es A	cquired	d, D	isposed	of, or B	enefic	ially	Owne	d			
1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/				Execu	eemed ution D :h/Day/	ate,	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 an			nd 5) Secu Bene Own		cially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 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 01/10/20				020	20			M		600	A	\$50.	.51	25,308			D		
Common Stock 01/10/20				020	20		S <sup>(1)</sup>		600	D	\$94.02	263 <sup>(2)</sup>	24,708			D			
		Т	able I						• ′		sposed of , converti	•		•	wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	eemed tion Date, h/Day/Year)	4. Transa Code ( 8)				6. Date Exerc Expiration Da (Month/Day/)		ate	7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		De Se (In	Price of erivative ecurity estr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	y O Fo O (I)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amour or Number of Shares	er					
Stock Option (right to	\$50.51	01/10/2020			M			600	(3)		03/01/2026	Commor Stock	600		\$0.00	6,200		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 \$94.00 to \$94.10. The average weighted price was \$94.0263. 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, 2017 and in 36 equal monthly installments thereafter.

## Remarks:

/s/ Helen C. Fu, Attorney-in-01/14/2020 **Fact** 

\*\* Signature of Reporting Person Date

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.