FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

<b>STATEMENT</b>	<b>OF CHANGES</b>	IN BENEFICIAL	<b>OWNERSHIP</b>

OMB APPI	ROVAL
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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* <u>Gregory Philip D</u>				2. Issuer Name <b>and</b> Ticker or Trading Symbol bluebird bio, Inc. [ BLUE ]								(Check	all appl Direct	cable) or		Issuer Owner r (specify				
	`	(First) (Middle) RD BIO, INC. STREET					3. Date of Earliest Transaction (Month/Day/Year) 01/07/2019								X Officer (give title Other (spec below) below)  Chief Scientific Officer					
(Street) CAMBRIDGE MA 02142				_   4.	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person							
(City)	(5	State)	(Zip)																	
		Tak	le I -	Non-Deri	vativ	e Sec	uriti	es A	cquir	ed, [	Disposed	of, or I	Benefic	ially	Owne	d				
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)		4. Securities Acquired (A) or Di Of (D) (Instr. 3, 4 and 5)			Securities Beneficia		ies cially Following	Form: Direct	Ownership				
								Code	v	Amount	(A) or (D)	Price		Transaction(s) (Instr. 3 and 4)			(Instr. 4)			
Common	ommon Stock 01/07/201		19				M		600	A	\$50.51		31,221		D					
Common	Common Stock 01/07/20		19				<b>S</b> <sup>(1)</sup>		13	D	\$109.7		33	1,208	D					
Common Stock 01/		01/07/20	19	9		S <sup>(1)</sup>			400	D	\$109	\$109.48		),808	D					
Common Stock 01/07/203		19	,			<b>S</b> <sup>(1)</sup>		437	D	\$107.41		30,371		D						
Common Stock 01/07/2		01/07/20	19	9			S		1,992 <sup>(2)</sup>	D	\$113.2887 <sup>(3)</sup>		28,379		D					
Common Stock 01/07/2019			19	)			S		1,037(2)	D	D \$114.306 <sup>(4)</sup>		27,342		D					
		-	Гablе								sposed of				wned					
Derivative Conversion Date Exe Security or Exercise (Month/Day/Year) if ar		Exec if any	Deemed 4. cution Date, Trans		ansaction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)		9. Number o derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership ct (Instr. 4)				
					Code	v	(A)	(D)	Date Exerc	isable	Expiration Date	Title	Amour or Number of Shares	er						
Stock Option (right to buy)	\$50.51	01/07/2019			M			600	(	(5)	03/01/2026	Commo		:	\$0.00	13,400	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. Shares were sold to cover tax withholding obligations incurred in connection with the vesting of Restricted Stock Units.
- 3. The range in prices for the transaction reported on this line was \$112.73 to \$113.70. The average weighted price was \$113.2887. 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 \$113.78 to \$114.72. The average weighted price was \$114.306. 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. 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/ Jason F. Cole, Attorney-in-

01/09/2019

**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.