FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

l	OMB APPRO	VAL
	OMB Number:	3235-0287
l	Estimated average burde	en
l	hours per response:	0.5

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

			_			_								_					
1. Name and Address of Reporting Person* <u>Gregory Philip D</u>						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									all applic	or 10% Owner			wner
	JEBIRD BI	O, INC.	Middle))		3. Date of Earliest Transaction (Month/Day/Year) 01/16/2019								X	below)			Other (spelow) Officer	specify
60 BINNEY STREET (Street) CAMBRIDGE MA 02142					4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)								i. Indiv ine)	vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(S1	tate)	Zip)																
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye.					Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			d 5) Securi Benefi Owned		ties Folicially (D)		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			01/16/20)19				M		1,400	A	\$75.	6	28	28,742 D			
Common Stock 01/16/2019)19	.9		S ⁽¹⁾		1,900	D	\$124.24	24.2469 ⁽²⁾		26,842		D			
		Т	able								sposed of s, convert				wned		,		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Execu if any	ution Date,		Transaction Code (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		te Exer ation D th/Day/		7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		De Se (In	Price of erivative ecurity istr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Owr Fori Dire or Ir (I) (I	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exerc	isable	Expiration Date	Title	Amour or Number of Shares	er					
Stock Option (right to buy)	\$75.6	01/16/2019			M			1,400	((3)	02/01/2027	Commo Stock)	\$0.00	29,900		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 \$124.03 to \$124.60. The average weighted price was \$124.2469. 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-01/18/2019 **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.