FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL							
OMB Number:	3235-028						
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0.5

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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

1. Name and Address of Reporting Person* <u>Gregory Philip D</u>					2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
				Jaco	, , , , , , , , , , , , , , , , , , , 		L	- ,					Direct	or	10%	Owner	
-												_				(specify	
(Last) (First) (Middle)					3. Date of Earliest Transaction (Month/Day/Year)								below	,)	
C/O BLUEBIRD BIO, INC.				08/07	08/07/2017								(Chief Scientific Officer			
NEI SIKE	E1			4 If An	andment Da	to of	Original	Filod	(Month	/Day/\	(oar)	-	ndividual or	loint/Crour	Eiling (Chock	\nnlicable	
(Street)					4. II Amendment, Date of Original Filed (Month/Day/Year)								Line)				
NIDGE A	. A	004.40											X Form	filed by One	e Reporting Per	son	
CAMBRIDGE MA 02142													Form	filed by Moi	re than One Rei	oorting	
(5	State)	(Zip)															
	Tab	le I - No	n-Deriv	ative S	ecurities A	Acqı	uired,	Dis	osed	of, o	or Ben	eficia	lly Owne	d			
Date		Execution Date, Day/Year) if any		Transaction Disposed Of (D) (Instr. 3, Code (Instr. 5)				l and Securities Beneficially		6. Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership						
					(months 2 dy, rodd)		•,		 			Reporte	ed	(1) (111311. 4)	(Instr. 4)		
						Code	٧	Amount		(A) or (D)	Price		(Instr. 3 and 4)				
Common Stock 08/07			//2017			M	M		500		\$50.5	51 31	1,234	D			
Common Stock 08/07/			//2017			S ⁽¹⁾		750		D	\$99	30,484		D			
	7					•	,			,			Owned		,		
Derivative Conversion Date Execution Security or Exercise (Month/Day/Year) if any		Date,	Transaction Code (Instr. 8) Securities Acquired (A) or Disposed of (D)		xpiration Date			7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	derivative Securities Beneficiall Owned Following Reported Transactio	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)			
	(FUJEBIRD BINEY STREET IN	(First) UEBIRD BIO, INC. NEY STREET RIDGE MA (State) Tat: Security (Instr. 3) Stock Stock 2. Conversion or Exercise Price of Derivative (Month/Day/Year)	(First) (Middle) UEBIRD BIO, INC. NEY STREET RIDGE MA 02142 (State) (Zip) Table I - Not Security (Instr. 3) Stock Stock Table II - 2. Conversion or Exercise Price of Derivative (Month/Day/Year) if any (Month/Day (Month/Day) and more exercise (Month/Day/Year) if any (Month/Day)	(First) (Middle) UEBIRD BIO, INC. NEY STREET RIDGE MA 02142 (State) (Zip) Table I - Non-Deriv Security (Instr. 3) 2. Transaction Date (Month/L Stock 08/07 Table II - Derivative 0 2. Transaction Date (Month/Day/Year) 3. Transa	(First) (Middle) JEBIRD BIO, INC. NEY STREET Table I - Non-Derivative S Security (Instr. 3) 2. Transaction Date (Month/Day/Year) Stock 08/07/2017 Table II - Derivative Security (Instr. 3) 2. Transaction Date (Month/Day/Year) Table II - Derivative Security (Instr. 3) 3. Date (Month/Day/Year) 4. 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Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3) Code (Instr. 3)	(First) (Middle) UEBIRD BIO, INC. REY STREET Table I - Non-Derivative Securities Acquired, (Month/Day/Year) Security (Instr. 3) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 24. Deemed Execution Date, if any (Month/Day/Year) (Month/Day/Year) Table II - Derivative Securities Acquired, Date (e.g., puts, calls, warrants, option or Exercise Price of Derivative Security (Month/Day/Year) 3. Date of Earliest Transaction (Mo8/07/2017 4. If Amendment, Date of Original decided (a) Transaction Date (Month/Day/Year) A Deemed Execution Date, if any (Month/Day/Year) (e.g., puts, calls, warrants, option (Month/Day/Year) A Deemed Execution Date, if any (Month/Day/Year) (e.g., puts, calls, warrants, option (Month/Day/Year) Derivative Securities Acquired, Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 (Instr. 3, 4)	(First) (Middle) JEBIRD BIO, INC. MEY STREET 4. If Amendment, Date of Original Filed (State) (Zip) Table I - Non-Derivative Securities Acquired, Disponent (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) Stock 08/07/2017 Amule II - Derivative Securities Acquired, Disponent (P.g., puts, calls, warrants, options, compared to the privative Security 2. Transaction Date (Month/Day/Year) Stock 08/07/2017 M Table II - Derivative Securities Acquired, Disponent (Month/Day/Year) 2. Transaction Date (Month/Day/Year) Stock 08/07/2017 5. Number of Code (Instr. 8) 5. Number of Code (Instr. 8) 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4) Code (Instr. 8) Code (Instr. 8)	(First) (Middle) JEBIRD BIO, INC. MEY STREET A. If Amendment, Date of Original Filed (Month/Day/Year) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed Code (Instr. 8) 2. 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If Amendment, Date of Original Filed (Month/Day/Year) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Ben Security (Instr. 3) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) Date (Month/Day/Year) Stock 08/07/2017 Amount Amount Amount Amount Conversion Or Exercise Price of Derivative Security A. If Amendment, Date of Original Filed (Month/Day/Year) 2. Transaction Date (Month/Day/Year) Amount Amount Amount Transaction Code (Instr. 8) Stock 08/07/2017 Amount Amount Stock 08/07/2017 Stock 08/07/2017 Stock 08/07/2017 Stock 08/07/2017 Amount Amount Amount Amount Conversion Or Exercise Price of Date (Month/Day/Year) Stock 13. Transaction Date (By Stock 08/07/2017 Amount Amount Amount Transaction Code (Instr. 8) Stock 15. Number Or Exercise (Month/Day/Year) Scurities Acquired (A) or Disposed of (D) (Instr. 3, 4) Stock 15. Number Or Exercise (Month/Day/Year) Scurities Acquired (A) or Disposed of (D) (Instr. 3, 4) Stock Code (Instr. 3, 4)	(First) (Middle) JEBIRD BIO, INC. JEY STREET 4. If Amendment, Date of Original Filed (Month/Day/Year) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficial Security (Instr. 3) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) Table II - Derivative Securities Acquired, Disposed Of (D) (Instr. 3, 4 and 5) Code V Amount (A) or Price (Instr. 8) Table II - Derivative Securities Acquired, Disposed of, or Beneficially (e.g., puts, calls, warrants, options, convertible securities) 2. Transaction Date (Instr. 8) Table II - Derivative Securities Acquired, Disposed of, or Beneficially (e.g., puts, calls, warrants, options, convertible securities) 2. 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If Amendment, Date of Original Filed (Month/Day/Year) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned Security (Instr. 3) Date (Month/Day/Year) A. Deemed Execution Date (Month/Day/Year) A. Deemed (Month/Day/Year) A. Deemed Execution Date (Month/Day/Year) A. Deemed (Month/Day/Year) A. Deemed (Month/Day/Year) A. Deemed Execution Date (Instr. 3) A. Securities Acquired (A) or Securities Acquired (Instr. 3) A. Deemed (Instr. 4) A.	(First) (Middle) (First) (Midlle) (First) (Middle) (First) (Middle) (First) (Middle) (First) (Middle) (First) (Middle) (First) (Middle) (First) (Mid	

buy) Explanation of Responses:

\$50.51

- 1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on March 17, 2017.
- 2. 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.

Code V

M

(A) (D)

500

Remarks:

Stock Option

(right to

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

Amount or Number

Shares

500

\$0.00

08/09/2017

27,000

D

<u>Fact</u>

Title

Commor

Stock

Expiration

03/01/2026

Date

Exercisable

(2)

** 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).

08/07/2017

** 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.