FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APP	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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

hours per response: 0.5

Name and Address of Reporting Person* Vachon Mark				2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]								5. Relationship of Reporting Person(s) to Is (Check all applicable)				. ,			
Vucion Wan													X	Directo			10% Ov		
(Last)	`	,	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 06/08/2017								Officer below)	(give title		Other (s below)	specify	
C/O BLUEBIRD BIO, INC.			00/	00/00/201/															
60 BINNEY STREET																			
OU BINNET STREET				4. I	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable						
(Street)													ال	ine)	_ ,		_		
CAMBR	IDCE N	1A	02142											X		•		orting Perso	
CAMBR	IDGE IV	IA	02142											Form filed by More than One Reporting Person					
					-										FEISUI	!			
(City)	(9	State)	(Zip)																
		Tab	le I - Non	ı-Deriv	/ative	e Se	curitie	s Ac	quired,	Dis	posed o	of, or Be	nefici	ally	Owned	d			
1. Title of S	Security (Ins	str. 3)		2. Trans	saction		2A. Deem	ed	3.		4. Securi	ities Acqui	ed (A) o	.	5. Amou	nt of	6. Ov	vnership	7. Nature
Date			Day/Va	Execution Date,		e, Transaction Disposed Code (Instr. 5)		d Of (D) (Instr. 3, 4 and			Securities Beneficially				of Indirect Beneficial				
(Moi			(WOTHIN	Dayrie	(Month/Day/Year)							Owned F		ollowing (i) (I		nstr. 4)	Ownership		
										Amount (A) or Br		r .	Reported Transact					(Instr. 4)	
								Code	V	Amount	(A) 01 Pt		•	(Instr. 3 and 4)					
Common Stock ⁽¹⁾ 06/08/				8/201	2017		A		1.000	1,000 A \$.00	2,000			D			
Common Stock / 00/00/.				0, = 0 1	1 1,000 11 40.00 2,000								2						
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
(e.g., puts, calls, warrants, options, convertible securities)																			
1. Title of	2.	3. Transaction	3A. Deeme	d	4.		5. Nun	nber	6. Date Ex	ercisa	able and	7. Title ar	d	8.	Price of	9. Number	r of	10.	11. Nature
Derivative	Conversion	Date	Execution		Transa				Expiration Date Amount of			f	Derivative				Ownership	of Indirect	
					Code (8)	Instr.	. Derivative (N Securities		(Month/Day/Year) Securities Underlying				Security (Instr. 5)		Securities Beneficially		Form: Direct (D)	Beneficial Ownership	
(33 3,	Derivative		`	,,	-,	Acquired Derivative Sec							Securit		,	Owned		or Indirect	(Instr. 4)
	Security					(A) or Unstr. 3 and 4)										Following Reported Transaction(s) (Instr. 4)		(I) (Instr. 4)	
					of (D)														
						(Instr. 3, 4 and 5)									(11150. 4)				
									Amoun										
													or						
									Date	E	xpiration		Numbe	r					
					Code	٧	(A)	(D)	Exercisabl		ate	Title	Shares						
Stock												_							
Option (right to	\$111	06/08/2017			A		4,000		(2)	0	6/08/2027	Common Stock	4,000		\$0.00	4,000		D	

Explanation of Responses:

- 1. These restricted stock units for common stock vest 100% on the earlier of June 8, 2018, or the date of the next annual meeting of stockholders.
- 2. This option vests 100% on the earlier of June 8, 2018, or the date of the next annual meeting of stockholders.

Remarks:

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

Fact

** Signature of Reporting Person

Date

06/12/2017

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.