FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington D.C. 20549

wasiiiigtoii,	D.C.	20549	

OIVID APPROVAL												
OMB Number:	3235-0287											
Estimated average burden												

hours per response:

OMB ADDDOMAI

0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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>Vachon Mark</u>					2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]								5. Relat (Check X		olicable)	g Person(s) to	ssuer Owner	
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET					3. Date of Earliest Transaction (Month/Day/Year) 06/14/2018									Office	er (give title v)	Other below	(specify)	
(Street) CAMBR (City)	IDGE M	IA ()2142 Zip)	2	4. 1	4. If Amendment, Date of Original Filed (Month/Day/Year))	6. Indiv Line) X	idual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
		Tabl	e I -	Non-Deriv	/ative	e Sec	uritie	s A	cquir	ed, [Disposed (of, or	Benefic	ially (Owne	ed		
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye				2A. Deemed Execution Date, if any (Month/Day/Year)		te,	3. Transaction Code (Instr. 8) 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			5)	Secur Benef Owne	ficially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership				
								Ī	Code	v	Amount	(A) or (D)	Price			action(s) 3 and 4)		(Instr. 4)
Common	Stock			06/14/20	18				S ⁽¹⁾		700	D	\$189.8	325 ⁽²⁾		300	D	
Common	Stock			06/14/20	18				S ⁽¹⁾		300	D	\$190.3	833(3)		0	D	
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																	
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Exec if any	Deemed ution Date, / th/Day/Year)	4. Transa Code 8)		5. Nu of Deriv Secu Acqu (A) or Dispo of (D) (Instr and 5	rities ired r osed) : 3, 4	Exp (Mo	iration nth/Day	//Year)	and 4	nt of ities lying ative ity (Instr. 3	Deriv Secu (Insti		9. Number of derivative Securities Beneficially Owned Following Reported Transaction((Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)

Explanation of Responses:

- 1. The sales reported in the Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 8, 2017.
- 2. The range in prices for the transaction reported on this line was \$189.25 to \$190.225. The average weighted price was \$189.825. 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. The range in prices for the transaction reported on this line was \$190.25 to \$190.45. The average weighted price was \$190.3833. 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.

Remarks:

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

<u>Fact</u>

** Signature of Reporting Person

Date

06/18/2018

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.