FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
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).

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

Name and Address of Reporting Person* MARAGANORE JOHN						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last)	`	rst) (3. Date of Earliest Transaction (Month/Day/Year) 06/08/2017									Officer (give title below)			Other (specify below)				
C/O BLUEBIRD BIO, INC. 60 BINNEY STREET						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) CAMBRIDGE MA 02142														X	X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(Si	tate) (Zip)																	
		Tab	le I - N	lon-Deri	vative \$	Sec	uritie	s Ac	quired, I	Disp	osed	of, o	r Bene	eficially	Owned					
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/						Execution Date,						curities Acquired (A) or sed Of (D) (Instr. 3, 4			5. Amoun Securities Beneficial Owned Following	ly		Direct ct (I)	7. Nature of Indirect Beneficial Ownership	
										v	Amoui	nt	(A) or (D)	Price	Reported Transaction (Instr. 3 and	on(s)		4)	Instr. 4)	
Common Stock ⁽¹⁾ 06/08/20)17		A		1,0	00 A \$		\$0.00	5,843			D		
			Tab	le II - Dei (e.ç					quired, D s, options						ned					
	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Yea		4. Transact Code (In 8)	tion Number E		5. Date Exercisable and Expiration Date Month/Day/Year)			of Sec Unde	e and A curities rlying D rity (Inst	erivative	8. Price of Derivative Security (Instr. 5)	9. Numb derivati Securiti Benefic Owned Followi Reporte Transac (Instr. 4	ve les ially ng ed ction(s)	10. Ownersh Form: Direct (D or Indire (I) (Instr. 4)	Beneficial Ownership		
					Code	v	(A)		Date Exercisable		iration e	Title		Amount or Number of Shares						
Stock Option (right to	\$111	06/08/2017			A		4,000		(2)	06/	08/2027	Comm	onStock	4,000	\$0.00	4,0	00	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 06/12/2017

** Signature of Reporting Person Dat

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.