FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
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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).

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* MARAGANORE JOHN						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last)	`	,	Midd	lle)			Date of Earliest Transaction (Month/Day/Year) /03/2017									er (give title			specify	
C/O BLUEBIRD BIO, INC. 150 SECOND STREET					4.	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person					
(Street)	LIDGE M	A ()214	41										Form filed by More than One Reporting Person						
(City)	(S	tate) (Zip)																	
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Year		r) if any		ıtion Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			5) Securi Benefi Owned	icially 1	6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership		
										Code	v	Amount	(A) or (D)	Price	Repor Trans	Following (Instr. 4) Reported Transaction(s) (Instr. 3 and 4)			(Instr. 4)	
Common	Stock			03/03/201	7					M		922	A	\$0.948	34 5	5,765				
Common Stock				03/03/2017					M		12,917	A	\$5.500)4 1	8,682		D			
Common	ommon Stock 03/03/201			7	7				S		13,839	D	\$85.023	9(1)	1,843		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)	Exe if a			e (Instr.		5. Numbe of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expiration le (Month/Day			7. Title a Amount Securiti Underly Derivati Security and 4)	of es ing	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Ow For Dire or I (I) (4)	Ownership Form: Direct (D) or Indirect (I) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	e	v	(A)	(D)	Date Exerc	cisable	Expiration Date	Title	Amount or Number of Shares						
Stock Option (right to buy)	\$0.9484	03/03/2017			М	1			922	,	(2)	11/18/2020	Commor Stock	922	\$0.00	0		D		
Stock Option (right to buy)	\$5.5004	03/03/2017			М				12,91	7	(3)	01/16/2023	Commor Stock	12,917	\$0.00	0		D		

Explanation of Responses:

- 1. The range in prices for the transaction reported on this line was \$84.50 to \$85.35. The average weighted price was \$85.0239. 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.
- 2. This option vests over a one-year period, at a rate of twenty-five percent (25%) on December 6, 2010, 25% on March 6, 2011, 25% on June 6, 2011, and 25% on September 6, 2011.
- 3. This option vests over a four-year period, at a rate of twenty-five percent (25%) on January 16, 2014 and in 36 equal monthly installments thereafter.

Remarks:

/s/ Jason F. Cole, Attorney-in-03/06/2017

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.