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

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Name and Address of Reporting Person* LYNCH DANIEL						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)		3. Date of Earliest Transaction (Month/Day/Year) 02/14/2017									Officer (give title below)			Other (specif below)					
C/O BLUEBIRD BIO, INC. 150 SECOND STREET						4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicabl Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(Street) CAMBRIDGE MA 02141																			
(City)	(Si	tate) (Zip)																
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/					ear) i	Execut f any	eemed tion Date, h/Day/Year)		3. Transact Code (In 8)		4. Securiti Disposed				rities ficially ed	6. Owner Form: I (D) or Indirec	Direct	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) or Price			rted saction(s)	(Instr. 4)		(Instr. 4)	
Common Stock 02/14/201									M		850	A	\$2.08	864 2		2,250	Г)	
Common Stock 02/14/201					17	1			S ⁽¹⁾		850	D	\$80.01)128(2)		1,400	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 an	Deemed cution Date, ıy nth/Day/Year)		e (Instr. of De Se Ac (A Di of (Ir		osed			ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. : and 4)		8. Pri of Deriv Secui (Instr	ivative urity	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	n: ct (D) ndirect	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercis	able	Expiration Date	Title	Amount or Number of Shares						
Stock Option (right to buy)	\$2.0864	02/14/2017			M			850	(3)		07/13/2021	Common Stock	850	\$0.	00	22,658		D	

Explanation of Responses:

- 1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 14, 2016.
- 2. The range of prices for the transaction reported on this line was \$80.00 to \$80.15. The average weighted price was \$80.0128. The reporting person will provide, upon request by the SEC, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- 3. This option vests over a four-year period in 48 equal monthly installments beginning on April 15, 2011

Remarks:

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

02/16/2017

** 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.