FORM 4

obligations may continue. See

Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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* LYNCH DANIEL						bluebird bio, Inc. [BLUE]									of Reporting Pricable) or		son(s) to Iss 10% O	
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 150 SECOND STREET					3. Date of Earliest Transaction (Month/Day/Year) 02/24/2017									r (give title)		Other (below)	specify	
150 SEC	OND STR	EEI ———————————————————————————————————			_ 4. I	4. If Amendment, Date of Original Filed (Month/Day/Year)									Joint/Group	p Filing (Check Ap		pplicable
(Street) CAMBR	IDGE M	[A	02141		_								Lin	X Form	Form filed by One Reporting Form filed by More than One Person			
(City)	(S	tate)	(Zip)															
		Tab	le I - N	on-Deri	vative	Sec	uriti	ies Ac	quire	d, Di	isposed o	of, or Be	eneficia	lly Owne	d			
Date			2. Transa Date (Month/Da		2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 a			Benefic Owned	es For ally (D) Following (I) (I		: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount	(A) or (D)	Price		ction(s) 3 and 4)			(Instr. 4)	
Common	Stock			02/24/	2017				M		2,000	A	\$2.086	3	400		D	
Common	Stock			02/24/	2017				S ⁽¹⁾		1,000	D	\$77.365	5 ⁽²⁾ 2	2) 2,400 D			
Common	ommon Stock 02/24/2			2017)17		S ⁽¹⁾		1,000	D	\$80	1	1,400		D			
		T	able II								posed of converti			/ Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	e (Month/Day/Year)	if any	med on Date, Day/Year)	4. Transa Code (8)		of		6. Date Exerci Expiration Da (Month/Day/Yo		ate	7. Title and Amount of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	Own Form Direct or In (I) (In	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	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	02/24/2017			M			2,000	(3)		07/13/2021	Common Stock	2,000	\$0.00	20,508	3	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 \$77.30 to \$77.40. The average weighted price was \$77.3650. 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-02/28/2017 **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.