bluebird bio, Inc. Form 4 February 17, 2017

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * LYNCH DANIEL

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(First) (Last)

(Middle)

(Zip)

bluebird bio, Inc. [BLUE]

(Check all applicable)

C/O BLUEBIRD BIO, INC., 150

3. Date of Earliest Transaction (Month/Day/Year)

02/15/2017

X_ Director Officer (give title below)

10% Owner Other (specify

SECOND STREET

(Street)

(State)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

CAMBRIDGE, MA 02141

(City)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Disp		rities Acquired (A) osed of (D) 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	02/15/2017		M	150	A	\$ 2.0864	1,550	D	
Common Stock	02/15/2017		S <u>(1)</u>	150	D	\$ 80.2236 (2)	1,400	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

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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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	Transaction of Code Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (right to buy)	\$ 2.0864	02/15/2017		M	150	(3)	07/13/2021	Common Stock	150	\$

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 6	Director	10% Owner	Officer	Other			
LYNCH DANIEL C/O BLUEBIRD BIO, INC. 150 SECOND STREET CAMBRIDGE, MA 02141	X						

Signatures

/s/ Jason F. Cole, Attorney-in-Fact 02/17/2017

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- (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.
- The range of prices for the transaction reported on this line was \$80.00 to \$80.50. The average weighted price was \$80.2236. The (2) 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

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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