FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPRO	VAL
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)

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* <u>LYNCH DANIEL</u>					2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE] 3. Date of Earliest Transaction (Month/Day/Year) 06/23/2017								Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner							
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET			06										Officer (give title below)		Other (sp below)		specify			
(Street)	IDGE M	IA	02142	2	_ 4.1	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 Form filed by More than One Reporting Person					
(City)	(S	tate)	(Zip)																	
1. Title of Security (Instr. 3) 2. Transac Date			2. Transacti	on	n 2A. Deemed Execution Date,		ate,	3. Transaction Code (Instr. 8) Acquired, Disposed of, or Bene			(A) or	5. Amount of Securities Beneficially Owned Following		unt of ies ially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership			
							l	Code	v	Amount	(A) or (D)	Price	Reporte Transac (Instr. 3		ction(s)			(Instr. 4)		
Common	Stock			06/23/20)17				M		2,008	A	\$2.086	64 4,808		808 D		D		
Common	Stock			06/23/20	017				M		1,992	A	\$5.500)4	6,800		I	D		
Common	Common Stock		06/23/20	017				S ⁽¹⁾		2,200	D	\$108.28	96 ⁽²⁾	6 ⁽²⁾ 4,600		I	D			
Common	Stock			06/23/20	017				S ⁽¹⁾		1,000	D	\$109.7	4 ⁽³⁾	3,600		I	D		
Common	Stock			06/23/20	017				S ⁽¹⁾		800	D	\$110.48	13 ⁽⁴⁾	2,800		I	D		
			Table						-		sposed of	-		-	wned					
Derivative Conversion Date		3. Transaction Date (Month/Day/Year)	ite Exec		4. Transa	I. Transaction Code (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			cisable and ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. F Dei Sed (Ins	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Owner Form Direct or Ind (I) (In	wnership	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exerc	cisable	Expiration Date	Title	Amoun or Numbe of Shares	r						
Stock Option (right to buy)	\$2.0864	06/23/2017			M			2,008	((5)	07/31/2021	Commo Stock		\$.	\$0.00	0		D		
Stock Option (right to buy)	\$5.5004	06/23/2017			M			1,992	((6)	01/16/2023	Commo Stock		! !	\$0.00	23,842		D		

Explanation of Responses:

- 1. This sales reported in the Form 4 were effected pursuant to a 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 \$108.05 to \$108.50. The average weighted price was \$108.2896. 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. The range of prices for the transaction reported on this line was \$109.25 to \$110.00. The average weighted price was \$109.74. 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.
- 4. The range of prices for the transaction reported on this line was \$110.35 to \$110.80. The average weighted price was \$110.4813. 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.
- 5. This option vests over a four-year period in 48 equal monthly installments beginning on April 15, 2011
- 6. This option vests over a four-year period at a rate of twenty-five percent (25%) on January 16, 2014 in 36 equal monthly installments thereafter.

Remarks:

/s/ Jason F. Cole, Attorney-in-06/27/2017 **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.