FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

l	OMB APPRO	VAL
	OMB Number:	3235-0287
l	Estimated average burde	en
l	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).

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* LYNCH DANIEL						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									tionship all appli Directo	•				
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 150 SECOND STREET						3. Date of Earliest Transaction (Month/Day/Year) 10/05/2015									Officer below)	r (give title)		Other (specify below)		
					- d. I	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line)	dividual or Joint/Group Filing (Check Applicable					
(Street) CAMBRIDGE MA 02141			_										Form filed by One Reporting Person Form filed by More than One Reporting Person							
(City)	(Si	tate)	(Zip)																	
		Tab	le I -	Non-Deri	vative	e Sec	uriti	ies A	cquir	ed, D	isposed (of, or E	3enefi	cially	Owned	ı				
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/		Execution Date,		ution Date,		ction Instr.	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and		Benefic Owned		ies ially Following	Form	: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership				
								Code	v	Amount	(A) or (D)	Price		Reporte Transac (Instr. 3	ction(s)			(Instr. 4)		
Common Stock			10/05/20)15	5		M		3,000	A	\$2.0	864	3,	3,000		D				
Common	Stock	10/05/20:)15	;		S ⁽¹⁾		2,400	D	\$100.2	2302(2)	600			D			
Common	Stock			10/05/20)15				S ⁽¹⁾		600	D	\$101	.15 ⁽³⁾		0 D				
		Т	able								sposed of s, converti				wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Execu if any	eemed ution Date, h/Day/Year)		saction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercis Expiration Date (Month/Day/Yea		ate	7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		De Se (Ir	Price of crivative curity estr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exerc	cisable	Expiration Date	Title	Amo or Num of Shar	ber						
Stock Option (right to	\$2.0864	10/05/2015			M			3,000		(4)	07/13/2021	Commo		00	\$0.00	24,508		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 June 25, 2015.
- 2. The range of prices for the transaction reported on this line was \$100.00 to \$100.64. The average weighted price was \$100.2302. 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 \$101.07 to \$101.19. The average weighted price was \$101.15. 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. 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-

10/07/2015

** 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.