FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL								
OMB Number: 3235-								
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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* LYNCH DANIEL						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									ationship c all appli Directo	,		rson(s) to Issuer 10% Owner	
	JEBIRD B	IO, INC.	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 01/27/2017										Officer (give title below)		Other (below)	specify
150 SECOND STREET						f Amer	ndmei	nt, Date	of Origin	nal Fi	iled (Month/D		6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street)	IDGE M	IA (02141											X		filed by One Reporting Pe filed by More than One R		•	I
(City)	(S	tate)	(Zip)																
		Tab	le I - I	Non-Deri	vative	e Sec	urit	ies A	cquire	d, D	isposed o	of, or B	enefic	ially	Owned	k			
1. Title of Security (Instr. 3) 2. Transactio Date (Month/Day/N				Execu	eemed ution Date, r th/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			Benefic Owned		ies ially Following	Forn (D) c	n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)
Common Stock 01/27/201				017	17			М		1,000	A	\$2.0	364	2,400			D		
Common Stock 01/27/			01/27/2	017	17			S ⁽¹⁾		1,000	D	\$70.09)22 ⁽²⁾	1,	1,400		D		
		Т	able								sposed of , converti				wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	eemed tion Date, n/Day/Year)	4. Transa Code (8)				6. Date Expirati (Month/	ion D		7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		De Se (Ir	Price of erivative ecurity estr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercis	sable	Expiration Date	Title	Amou or Numb of Share	er					
Stock Option (right to buy)	\$2.0864	01/27/2017			M			1,000	(3)		07/13/2021	Commo Stock	n 1,00	0	\$0.00	23,508	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 \$70.00 to \$70.15. The average weighted price was \$70.0922. 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-01/31/2017 **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.