Instruction 1(b).

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB Number: 32	235-0287
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OMB APPROVAL

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* Cole Jason				2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									ck all applic	tionship of Reporting all applicable) Director Officer (give title		son(s) to Iss 10% Ov Other (s	ner		
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 150 SECOND STREET				3. Date of Earliest Transaction (Month/Day/Year) 03/01/2016								X	below)		below) gal Officer		poon,		
(Street) CAMBR (City)	LIDGE M	1A	02141 (Zip)		4. 1	If Ame	endment, [Date o	of Original	Filed	(Month/Da	ay/Year)		6. Ind Line)	Form f	iled by One	e Rep	g (Check Apporting Person	n
(City)	(3		` ' '							<u> </u>		D.				•			
		lar	le I - Nor	1			curities	S AC		DIS	posed c	of, or Be	netic	cially	Owned				
1. Title of Security (Instr. 3) 2. Transa Date (Month/D				Execution Date,			Code (I	Transaction Disposed Of (D) (Instr. 3, 4			4 and Securiti Benefic		es Fo ally (D Following (I)		6. Ownership Form: Direct D) or Indirect I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
									Code	v	Amount	(A) o (D)	r Pr	ice	Transact (Instr. 3	tion(s)			(Instr. 4)
Common Stock ⁽¹⁾ 03/01			L/201	16			A		5,500) A	\$	0.00	9,938			D			
			Table II -									or Ben			Owned				
Derivative Conversion Date		3. Transaction Date (Month/Day/Year)	Execution Date, if any		4. Transaction Code (Instr. 8)		n of		6. Date Exercisable and Expiration Date (Month/Day/Year)		!	7. Title and Amo of Securities Underlying Derivative Secu (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	re es ally ng d tion(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisab		xpiration ate	Title	Amo or Num of Shar	ber					
Stock Option	\$50.51	03/01/2016			A		20,900		(2)	0	3/01/2026	Common	20,	900	\$0.00	20,90	0	D	

Explanation of Responses:

- $1. \ Restricted \ stock \ units \ for \ common \ stock \ vest \ over \ a \ four-year \ period \ at \ a \ rate \ of \ 25\% \ on \ 01/04/2017, \ 25\% \ on \ 01/04/2018, \ 25\% \ on \ 01/04/2019, \ and \ 25\% \ on \ 01/04/2020.$
- 2. This option vests over a four-year period, at a rate of twenty-five percent (25%) on January 4, 2017 and in 36 equal monthly installments thereafter.

Remarks:

(right to buy)

> Jason F. Cole 03/03/2016

** Signature of Reporting Person Date

Stock

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.