## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

l	OMB APPROVAL								
l	OMB Number:	3235-0287							
l	Estimated average burd	len							
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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

							` '												
Name and Address of Reporting Person*     Schenkein David P					2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
Schenkeni David P						[ ]								)	Compared to the compared to	or		10% Ov	vner
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC.					3. Date of Earliest Transaction (Month/Day/Year) 06/02/2016									Officer below)	(give title		Other (s below)	specify	
150 SECOND STREET				4 11	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable					
					-   ". "	. ,	marrient,	Date .	or Original i	iicu	(Monan D	ay/ reary		Line	)		`		·
(Street)  CAMBRIDGE MA 02141														X Form filed by One Reporting Person  Form filed by More than One Reporting  Person					
(City)	(5	State)	(Zip)																
		Tab	le I - Nor	า-Deri\	/ative	e Se	curitie	s Ac	quired, I	Disp	osed o	of, or Be	enef	iciall	y Owned	ł			
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)					Execution Date,		Transaction Disposed Of Code (Instr. 5)		ities Acquired (A) or d Of (D) (Instr. 3, 4 and			es For ally (D) Following (I) (I		m: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership				
									Code	v	Amount	(A) or (D) Pr		Price	Transact	Reported Transaction(s) (Instr. 3 and 4)			(Instr. 4)
Common Stock <sup>(1)</sup> 06/02/.				2/2016	/2016		A		1,000	1,000 A S		\$0.00	1,000			D			
		7	able II -						uired, Di , option						Owned				
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)		n of l		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		urity	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	s lly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)		Date Exercisable		xpiration ate	or Nu of		ount mber ares					
Stock Option (right to buy)	\$47.87	06/02/2016			A		4,000		(2)	00	5/02/2026	Common Stock	4,	000	\$0.00	4,000		D	

## **Explanation of Responses:**

- 1. These restricted stock units for common stock vest 100% on the earlier of June 2, 2017, or the date of the next annual meeting of stockholders.
- 2. This option vests 100% on the earlier of June 2, 2017, or the date of the next annual meeting of stockholders.

## Remarks:

/s/ Jason F. Cole, Attorney-in-

06/03/2016

**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.