FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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OMB APPROVAL								
OMB Number:	3235-0287							
Estimated average burden								
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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*  Schenkein David P						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [ BLUE ]											olicable)	orting Person(s)		to Issuer % Owner	
	C/O BLUEBIRD BIO, INC.					3. Date of Earliest Transaction (Month/Day/Year) 06/02/2016											Officer (give title below)		Other (specify below)		
150 SECOND STREET  (Street)  CAMBRIDGE MA 02141						4. If Amendment, Date of Original Filed (Month/Day/Year) 06/03/2016									6. Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting						
(City)	(S	tate) (	Zip)													Pers				<u> </u>	
		Tabl	e I - Nor	ո-Deriv	ative	Se	curitie	s Acc	quired,	Dis	posed o	f, o	r Ben	efici	ally	Owne	ed				
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)						Execution			Code (	Transaction Dis		ecurities Acquired (A) posed Of (D) (Instr. 3,			4 and Se Be Ov				vnership n: Direct r Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
										v	Amount		(A) or (D)	Price	•	Transaction(s) (Instr. 3 and 4)				(111501.4)	
Common Stock <sup>(1)</sup> 06/0					2/2016				A		1,000	)	A	\$0.00		2,176 <sup>(2)</sup>			D		
		Та									sed of, onvertib				уΟι	vned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Da if any (Month/Day/\)	Date,	Date, Transaction		n of		6. Date E. Expiratio (Month/D	е	and 7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)				vative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction ((Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
					Code	Code V			Date Exercisal		Expiration Date	Nu of		nber							

## 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. Includes 1,176 shares previously acquired and included on the Form 4 filed on December 22, 2014 by the reporting person.

## Remarks:

/s/ Jason F. Cole, Attorney-in-Fact 01/23/2017

\*\* 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.