FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
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hours per response:

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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* Schenkein David P					2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]											ip of Reporting Person(s) to plicable) ctor 10%		(s) to Is		
	C/O BLUEBIRD BIO, INC.					3. Date of Earliest Transaction (Month/Day/Year) 12/19/2014										Office	er (give title v)		Other (specify below)	
150 SECOND STREET (Street) CAMBRIDGE MA 02141				4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(St	ate) (Zip)																	
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)				Day/Year) if		2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Dispose Code (Instr. 5)		Disposed	ities Acquired (A) d Of (D) (Instr. 3,			4 and So		Securities F Beneficially (rship irect direct 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	() ()	A) or O)	Price		Transaction(s) (Instr. 3 and 4)				(
Common Stock 12				12/19	9/2014				P		1,176	5	A	\$85(1		1,176		D		
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																			
1. Title of Derivative Security (Instr. 3)			Date, ny/Year)		ransaction of Deriva Secur Acqui (A) or Dispo of (D) (Instr. and 5)		ative rities ired osed	6. Date E Expiratio (Month/D	n Date	е	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amount or Number of Title Shares		ount nber	t		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Own Forn Dire or In (I) (II	ership 1: ct (D) direct 1str. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	

Explanation of Responses:

1. These shares were purchased from the underwriters in the public offering that closed on December 19, 2014.

Remarks:

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

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.