FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPRO	VAL				
	OMB Number:	3235-0287				
l	Estimated average burde	en				
l	hours per response:	0.5				

	Check this box if no longer subject to								
٦.	Section 16. Form 4 or Form 5 obligations may continue. See								
J	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* Schenkein David P							2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									cable) or	g Per	son(s) to Iss	vner			
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC.						Date o		t Tran	saction (Mo	onth/[Day/Year)		Officer below)	(give title		Other (s below)	specify					
150 SECOND STREET							If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable						
(Street) CAMBRIDGE MA 02141															X Form filed by One Reporting Person Form filed by More than One Reporting Person							
(City) (State) (Zip)																						
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																					
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da						Execution Date			Code (Inst		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 5)				es ally Following	Form (D) o	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership				
									Code	v	Amount	(A) or (D)		Price	Reported Transact (Instr. 3	ction(s)			(Instr. 4)			
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)	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)				6. Date Exercisa Expiration Date (Month/Day/Yea		Amoun Securit Underly Derivat		. Title and amount of securities Inderlying serivative Security Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
					Code	v	(A)	(D)	Date Exercisabl		xpiration ate	Title	or Nu of	nount mber ares								
Stock Option (right to buy)	\$184.98	06/04/2015			A		7,500		(1)	0	5/04/2025	Common Stock	7,	500	\$0.00	7,500		D				

Explanation of Responses:

1. This option vests 100% on the earlier of June 4, 2016, or the date of the next annual meeting of stockholders.

Remarks:

/s/ Jason F. Cole, Attorney-in-Fact 06/08/2015

** 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.