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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP	О

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

	OMB APPROVAL										
OMB Number: 3235-0											
l	Estimated average burden										
l	hours per response:	0.5									

1. Name and Address of Reporting Person*  Gregory Philip D						2. Issuer Name <b>and</b> Ticker or Trading Symbol bluebird bio, Inc. [ BLUE ]										all app Direc	licable)			Owner (specify
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 150 SECOND STREET, THIRD FLOOR							3. Date of Earliest Transaction (Month/Day/Year) 06/16/2016									belov		b	elow)	
(Street) CAMBRIDGE MA 02141 (City) (State) (Zip)							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					
		Tab	e I - No	n-Deriv	/ative	Sec	curitie	s Acc	quired,	Dis	posed o	of, or	Ben	efici	ally (	Owne	ed			
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)						Execution Date			3. Transa Code ( 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				4 and S		ount of ities icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount		(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(1130.4)
Common Stock 06/16/									S		2,931	(1) <b>D</b> \$		\$39	9.52 30,069		0,069	D		
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																			
Derivative Conversion Date Execution Date, T Security or Exercise (Month/Day/Year) if any					(A Di		osed ) :. 3, 4	6. Date E Expiratio (Month/D	n Dat		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)					9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownersh Form: Direct (D) or Indirec (I) (Instr.	(D) rect	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	or Nur of	ount nber ares						

## **Explanation of Responses:**

1. Shares were sold to cover tax withholding obligations incurred in connection with the vesting of Restricted Stock Units.

## Remarks:

/s/ Jason F. Cole, Attorney-in-06/16/2016

**Fact** 

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  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.