FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average I	hurden								

0.5

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).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

					01 0	Jeene	311 30(11)	or tile i	iiivesiiiie	TH CO	прапу Аст	01 13								
1. Name and Address of Reporting Person* <u>Sullivan Eric</u>						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
					1 220											Direc	ctor	10%	Owner	
					-	ata a	f Farlia	t Trans	antina (1	Aonth	(Day (Vaar)			\dashv	X	Offic belov	er (give title w)	Othe belo	er (specify w)	
(Last)	(First)	(Middle)					st rrans	saction (N	/iontn	Day/Year)					Pri	ncipal Acc	ounting Offi	cer	
C/O BLUEBIRD BIO, INC.				01/	01/05/2017										ncipui i icc	ounting Om	cci			
150 SECOND STREET																				
				4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6	6. Individual or Joint/Group Filing (Check Applicable						
(Street)															.ine)					
CAMBR	IDGE N	1A	02141												X	Forn	n filed by One	Reporting Pe	rson	
— TWIDIC	IDGL 1		02141													Forn Pers		e than One R	eporting	
(City)	(State)	(Zip)																	
		Tal	ole I - No	n-Deriv	ative	Se	curitie	s Ac	quired	, Dis	posed o	f, o	r Be	nefici	ally	Owne	ed			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					Execution Da		n Date,	3. Trans Code 8)		ion Disposed		ties Acquired (A) d Of (D) (Instr. 3,			Securities Beneficially		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	•	Transaction(s) (Instr. 3 and 4)			(111511.4)	
Common Stock 01/05/2				5/2017	/2017		S		229 ⁽¹⁾ D		D	\$67	.1 ⁽²⁾	5,412		D				
		٦	able II - I								osed of, onvertib					vned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/D	Date, Transac Code (In					6. Date I Expirati (Month/I	on Da		7. Title and Amount of Securities Underlying Derivative Security (Instr and 4)		f g	Deri Secu	rice of ivative curity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownersh Form: Direct (D or Indirect (I) (Instr.	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Titl	OI N Of	ımber						

Explanation of Responses:

- 1. Shares were sold to cover tax withholding obligations incurred in connection with the vesting of Restricted Stock Units.
- 2. The range in prices for the transaction reported on this line was \$67.00 to \$67.50. The average weighted price was \$67.10. The reporting person will provide, upon request by the SEC, the issuer or security holder of the issuer, full information regarding the number of shares sold at each separate price.

Remarks:

/s/ Jason F. Cole, Attorney-in-Fact 01/09/2017

** 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.