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 burd	en				
l	hours per response:	0.5				

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 or Section 30(h) of the Investment Company Act of 1940

					_		. ,														
Name and Address of Reporting Person*     DIXON WENDY L							2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [ BLUE ]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
DIAON WENDY L															Directo	or		10% Ow	/ner		
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET							3. Date of Earliest Transaction (Month/Day/Year) 06/08/2017									(give title		Other (s below)	pecify		
60 BININ	IEY SIRE	£1	4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable								
(Street) CAMBRIDGE MA 02142															X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City) (State) (Zip)																					
		Tab	le I - Nor	า-Deriv	ative	e Se	curities	s Acc	quired,	Dis	osed c	of, or Be	enefic	cially	Owned	i					
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)						Execution D			Transaction Dispose Code (Instr. 5)		ities Acquired (A) d Of (D) (Instr. 3, 4		and Securitie Benefici Owned I		es Fo ially (D) Following (I)		: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
									Code	v	Amount	(A) or (D) Pr		ice		nsaction(s) tr. 3 and 4)			(mati. 4)		
Common	Stock <sup>(1)</sup>		3/2017	2017		A		1,000 A		\$	0.00	2,0	2,000		D						
		Т	able II -						ired, D option						Owned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Da	Date,	4. Transactior Code (Instr. 8)		n of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title ar Amount of Securitie Underlyin Derivativ (Instr. 3 a	of s ng e Secui	9	s. Price of Derivative Security Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership ct (Instr. 4)		
					Code	v	(A)		Date Exercisable		xpiration ate	Title	Amor or Num of Shar	ber							
Stock Option (right to	\$111	06/08/2017			A		4,000		(2)	00	6/08/2027	Common Stock	4,00	00	\$0.00	4,000		D			

## **Explanation of Responses:**

- 1. These restricted stock units for common stock vest 100% on the earlier of June 8, 2018, or the date of the next annual meeting of stockholders
- 2. This option vests 100% on the earlier of June 8, 2018, or the date of the next annual meeting of stockholders.

## Remarks:

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

**Fact** 

\*\* Signature of Reporting Person

Date

06/12/2017

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.