FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
Estimated average burden								
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).

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* 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) X Director 10% Owner					
(Last)	,	· ·	Middle)			3. Date of Earliest Transaction (Month/Day/Year) 06/08/2017										er (give title		Other (specify below)		
60 BINN	4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applica Line) X Form filed by One Reporting Person									
(Street)	AIDGE M	IA (02142												Form	Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(S	tate) (Zip)																	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day						Execution Date,				3. Transaction Code (Instr. 8) 4. Securities A Disposed Of (I and 5)					Secur Benef Owne	5. Amount of Securities Beneficially Owned Following		ership Direct	7. Nature of Indirect Beneficial Ownership	
							Code	v	Amoui	nt (A) or (D)		Price	Repoi Trans		(Instr. 4)		(Instr. 4)			
Common	Stock(1)		2017	017			A		1,0	00	A	\$0.0	0 2	2,000	I)				
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.				on Date,	4. Transac Code (In 8)		5. Numb of Deriva Secur Acqui (A) or Dispo of (D) (Instr. 4 and	er ative ities red sed	6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisable		oiration e	Title	Amo or Num of Shar	nber						
Stock Option (right to buy)	\$111	06/08/2017			A		4,000		(2)	06/	08/2027	Commo Stock	ⁿ 4,0	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 06/12/2017

** 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.