FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIF

OMB APPRO	OVAL								
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).

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* WENTWORTH KORY JAMES						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]								Check	all app	olicable)	g Person(s) to I	
						3. Date of Earliest Transaction (Month/Day/Year) 01/07/2020								X	belov)``
						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				
		Tabl	e I - I	Non-Deriv	/ative	Sec	uritie	s Ac	quir	ed, Di	isposed o	f, or E	Benefici	ally (Owne	ed		
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye					.	Execution Date,		,	3. Transa Code (8)	action	4. Securities Disposed Of			nd 5) Secu		ount of rities ficially ed 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		Trans	action(s) 3 and 4)		(
Common Stock 01/07/202					020	20		S		223(1)	D	\$89.97	12 ⁽²⁾	6	5,308 ⁽³⁾	D		
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)	3. Transaction Date (Month/Day/Year)	ate Execution Da		4. Transa Code (8)			6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)				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 Exer	cisable	Expiration Date	Title	Amount or Number of Shares					

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 \$89.50 to \$90.42. The average weighted price was \$89.9712. 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.
- 3. 82 shares were acquired under the bluebird bio, Inc. employee stock purchase plan.

Remarks:

/s/ Helen C. Fu, Attorney-in-01/09/2020 **Fact**

** Signature of Reporting Person

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.