FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C. 20549
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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

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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 an Smith-I (Last) C/O BLU	<u>blı</u>	Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE] Date of Earliest Transaction (Month/Day/Year) 11/02/2020										all app Direc	er (give title		10% O Other (below)	wner				
60 BINNEY STREET (Street) CAMBRIDGE MA 02142 (City) (State) (Zip)						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Indiv Line) X	·				
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3) 2. Tr. Date (Mor					ear)	Execution (ar)		on Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 an			nd 5) Secur Benef		ities Folicially (D		n: Direct or rect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
								[Code	v	Am	nount	(A) or (D)	Price		Transa	ansaction(s) astr. 3 and 4)		4)	(111511.4)
Common	Stock		11/02/202	20				S			26(1)	D	\$52.50	87(2)	21,987			D		
Common	11/02/202	0				S			7(1)	D	\$53.82	.72 ⁽³⁾	21,980			D				
Common	11/02/202	.0				S			4(1)	D	\$54.43	34 ⁽⁴⁾	21,976			D				
		Tal	ole	II - Derivati (e.g., pເ												Owne	d			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Exe if a	Deemed ecution Date, ny onth/Day/Year)		Transaction Code (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Date Ex piration onth/Da	n Dat		Amo Secu Unde Deriv	le and unt of rities erlying rative rity (Instr. i 4)	Der Sec (Ins	Price of ivative surity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	y Ov Fo Dii or (I)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	code V (A) (D)			Date Exercisab			Expiration Date	Title	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 \$52.25 to \$53.08. The average weighted price was \$52.5087. 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. The range in prices for the transaction reported on this line was \$53.28 to \$54.10. The average weighted price was \$53.8272. 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.
- 4. The range in prices for the transaction reported on this line was \$54.33 to \$54.48. The average weighted price was \$54.4340. 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/ Helen C. Fu, Attorney-in-

11/04/2020

Fact

** 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.