FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to	
Section 16. Form 4 or Form 5	
obligations may continue. See	

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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* FINGER ALISON CECILY						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]										cable) r (give title	g Pers	10% Ow Other (s	ner
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET						Date (/02/2		Transa	action (Mor	nth/C	Day/Year)		below)	Chief Commercial Officer					
(Street) CAMBRIDGE MA 02142				4. 1	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City) (State) (Zip)																			
			le I - Nor			_				Disp		•							
1. Title of Security (Instr. 3) 2. Transa Date (Month/D.				Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transac Code (In 8)		4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5)			5. Amour Securitie Beneficia Owned F Reported	s ally ollowing	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	V	Amount	(A) (D)	or	Price	Transacti	ansaction(s) nstr. 3 and 4)			,iiisu. 4)
Common Stock ⁽¹⁾ 03/02/						0			A		7,500 A			\$0.00	25,843 ⁽²⁾			D	
		-	Table II -						ired, Di options						Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution I if any (Month/Day	Date,	4. Transaction Code (Instr. 8)				6. Date Exe Expiration (Month/Day	Date		d 7. Title and Amo of Securities Underlying Derivative Secu (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	y	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)		Date Exercisable		xpiration ate	Title	or No	umber					
Stock Option (right to	\$73.84	03/02/2020			A		15,000		(3)	0	3/02/2030	Common Stock	1 1	5,000	\$0.00	15,000		D	

Explanation of Responses:

- $1. \ Restricted \ stock \ unit \ awards \ vest \ over \ a four-year \ period \ at \ the \ rate \ of \ 25\% \ on \ 01/04/2021, \ 25\% \ on \ 01/04/2022, \ 25\% \ on \ 01/04/2023, \ and \ 25\% \ on \ 01/04/2024.$
- $2.\ 195\ shares\ were\ acquired\ under\ the\ bluebird\ bio,\ Inc.\ employee\ stock\ purchase\ plan.$
- 3. This option vests over a four-year period, at a rate of 25% on 01/04/2021 and in 36 equal monthly installments thereafter.

Remarks:

/s/ Helen C. Fu, Attorney-in-

03/04/2020

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.