FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APP	ROVAL
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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

(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET (Street) CAMBRIDGE MA 02142 Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Year) Date (Month/Day/Year) (Month/Day/Year) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned Following Reported Transaction (Instr. 4) To the following Reported Transaction (Instr. 4) To the following Reported Transaction (Instr. 4) To the following Reported Transaction (Instr. 4)	1. Name and Address of Reporting Person* FINGER ALISON CECILY						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]								Check	all app	,	ng Per	rson(s) to Is 10% O Other (wner
City Cambridge MA O2142 State City Ci	C/O BLUEBIRD BIO, INC.												X	belov	ow)		below)			
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Year) 3. Transaction Code (Instr. 8) 3. Transaction Date (Month/Day/Year) 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 3. Transaction (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned (Instr. 4) 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned (Instr. 4) 5. Amount of Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Disposed Of (D) (Instr. 3, 4 and 5) 5. Amount of Disposed Of (D) (Instr. 3, 4 and 4) 5. Amount of Disposed Of (D) (Instr. 4) 7. Title and Amount of Derivative Securities Curities (Instr. 4) 8. Price of Derivative Securities Curities (Instr. 4) 9. Number of Derivative Securities (Instr. 4) 10. Ownership Code (Instr. 4) 11. Nature Of Disposed Of (D) (Instr. 4) 12. Title and Amount of Derivative Securities (Instr. 4) 13. Amount of Disposed Of (D) (Instr. 4) 14. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 4) 15. Number of Disposed Of (D) (Instr. 4) 16. Ownership Code (Instr. 4) 17. Title and Amount of Derivative Securities (D) (Instr. 4) 18. Price of Derivative Securities (D) (Instr. 4) 19. Ownership Code (Instr. 4) 19. Ownership	(Street) CAMBRIDGE MA 02142				4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								X Form filed by One Reporting Person Form filed by More than One Reporting						
Date (Month/Day/Year) If any (Month/Day/			Table	I - N	on-Deriva	tive S	Secui	rities	Ac	quire	d, Di	sposed of	, or E	Benefic	ially	Own	ed			
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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 \$52.48 to \$53.09. The average weighted price was \$52.765. 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. 1 share was acquired under the bluebird bio, Inc. employee stock purchase plan.

Remarks:

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

Fact

10/06/2020

** 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.