## FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

OMB Number: 3235-0287									
Estimated average burden									
hours per response:	0.5								

	-	Fable I - Non-D	erivative Securities Acquired, Disposed of, or Ben	eficially Owned					
(City)	(State)	(Zip)		Person					
(Street) CAMBRIDGE	MA	02142		Line) X Form filed	by One Reporting Person				
60 BINNEY ST	REET		4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable					
C/O BLUEBIRI	D BIO, INC.		07/02/2020	Chief Oper	ating and / Legal Officer				
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	X Officer (gi below)	A below)				
1. Name and Addre Cole Jason	ss of Reporting F	erson*	2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>bluebird bio, Inc.</u> [ BLUE ]	(Check all applicat Director	10% Owner				
mandenon 1(b).			or Section 30(h) of the Investment Company Act of 1940	54	<u>.</u>				
Instruction 1(b).	continue. See		Filed pursuant to Section 16(a) of the Securities Exchange Act of 193	nours per response: 0.5					

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code ( 8)		4. Securities Disposed Of			5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)	(1150.4)	(insu: 4)
Common Stock	07/02/2020		S		38(1)	D	<b>\$61.5728</b> <sup>(2)</sup>	35,410	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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)		ransaction of Code (Instr. Derivative		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(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	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 \$61.27 to \$61.88. The average weighted price was \$61.5728. 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-Fact 07

07/07/2020

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

 $\ast$  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.