FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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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)

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) C/O BLU	Name and Address of Reporting Person*  Davidson David  _ast) (First) (Middle)  C/O BLUEBIRD BIO, INC.  0 BINNEY STREET				- <u>bl</u>	2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [ BLUE ]  3. Date of Earliest Transaction (Month/Day/Year) 02/16/2021								Relationship of Reporting Person(s) to Issuer Check all applicable)  Director 10% Owner X Officer (give title below) Other (specibelow)  Chief Medical Officer					vner	
(Street) CAMBR (City)	CAMBRIDGE MA 02142  (City) (State) (Zip)						4. If Amendment, Date of Original Filed (Month/Day/Year)  ative Securities Acquired, Disposed of, or Benefic							ine) X	Y Form filed by One Reporting Person Form filed by More than One Reporting Person					
1. Title of Security (Instr. 3)  2. Transactio Date (Month/Day/)				tion	2A. Deemed Execution Date,		e,	3. Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 an		(A) or	5. Amo Securit Benefic Owned		es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	(A) or (D)	Price		Reporte Transac (Instr. 3	ction(s)			(Instr. 4)	
Common Stock <sup>(1)</sup> 02/16/202									A		10,000	A	\$0.0	\$0.00		46,298		D		
Common Stock <sup>(2)</sup> 02/16/202					2021	1		A		2,271	A	\$0.0	\$0.00		48,569		D			
Common Stock 02/17/202					2021	1			S <sup>(3)</sup>		698	D	\$28.1613 <sup>(4)</sup>		47	47,871		D		
1. Title of 2. Derivative Conversion Date Execution Security or Exercise (Month/Day/Year) if any		(e.g., puts,		, calls, warrants		quired, Disposed of s, options, converti  6. Date Exercisable and Expiration Date (Month/Day/Year)						Price of privative accurity sstr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)				
Stock Option (right to buy)	\$28.44	02/16/2021			A	v	(A) 20,000	(D)	Exerc	isable 5)	Date 02/16/2031	Common Stock	Shares		\$0.00	20,000	)	D		

## **Explanation of Responses:**

- 1. Restricted stock unit awards vest over a four-year period at the rate of 25% on 01/04/2022, 25% on 01/04/2023, 25% on 01/04/2024, and 25% on 01/04/2025.
- 2. Immediately vested restricted stock unit reflecting the equity portion of the reporting person's 2020 performance compensation.
- 3. Shares were sold to cover tax withholding obligations incurred in connection with the vesting of Restricted Stock Units.
- 4. The range in prices for the transaction reported on this line was \$27.97 to \$28.54. The average weighted price was \$28.1613. 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.
- 5. This stock option vests over a four-year period at the rate of 25% on 01/04/2022 and then in 36 equal monthly installments thereafter.

## Remarks:

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

02/18/2021

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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.