Instruction 1(b).

FORM 4

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

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL										
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hours per response.										

				or S	ection 30(h) of the	Investr	nent C	ompany Act	of 1940							
Name and Address of Reporting Person*				2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
<u>Leiderman E</u>	<u>llisabeth</u>		[2201]							X	Director	10% C	Owner			
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC.					3. Date of Earliest Transaction (Month/Day/Year) 10/17/2022							Officer (give title below)	Other below	(specify)		
455 GRAND UNION BOULEVARD					4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable				
(Street) SOMEVILLE	MA	02145									Line) X	Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(State)	(Zip)														
	Та	ble I - N	on-Derivat	ive	Securities Ac	quire	d, Di	sposed o	f, or B	enef	icially	Owned				
1. Title of Security (Instr. 3) 2. Transactio Date (Month/Day/Y			ear)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code (8)	Instr.	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			

	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)	1. Title of 2. Derivative Conversion Security or Exercise (Month/Day/Year) 3A. Deemed Execution Date, if any Code			Transa Code (of Deriv	r osed) r. 3, 4	6. Date Exerc Expiration Da (Month/Day/Y	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:

Common Stock

- 1. Shares were mistakenly 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 \$6.4614 to \$6.4671. The average weighted price was \$6.4643. 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.

Due to an administrative oversight, shares were inadvertently sold to cover tax withholding obligations incurred in connection with the vesting of Restricted Stock Units on behalf of the Reporting Person, a non-employee director.

> /s/ Elisabeth Leiderman 03/09/2023

** Signature of Reporting Person

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.