FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549
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STATEMENT	OF CHANGE	S IN BENEFICIAL	OWNERSHIP

OMB APPROVAL							
OMB Number: 3235-0287							
Estimated average burden							
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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

Name and Address of Reporting Person* <u>Vittiglio Joseph</u>				2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]						(Che	lationship of ck all applica Director	able)	g Pers	on(s) to Issu 10% Ov Other (s	vner			
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC.					3. Date of Earliest Transaction (Month/Day/Year) 02/01/2023						X	below)			below)	·		
455 GRAND UNION BOULEVARD				If Amendment, Date of Original Filed (Month/Day/Year)						6. Inc	6. Individual or Joint/Group Filing (Check Applicable							
(Street)	VILLE M	ſΑ	02145							Line)				- 1				
(City)	(5	State)	(Zip)										1 013011					
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
Date			Date	Fransaction te Execution Date, if any (Month/Day/Year)		Execution Date, if any		Transaction Disposed Code (Instr.		ties Acquired (A) o d Of (D) (Instr. 3, 4			Securities Beneficia Owned Fo	Securities For Beneficially (D)		: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
						Code	v	Amount (A) or (D)		Price	Transacti		(111501. 4)					
Common Stock (02/01/	./2023		A		50,000 ⁽¹⁾ A \$		\$0.00	50,000			D				
			Table II - D	erivati e.g., pu	ve Sed	curities lls, warr	Acqu ants,	uired, D , option	ispo s, c	osed of, onverti	or Boble se	enefi ecurit	cially (ies)	Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution Date, if any (Month/Day/Year)	Cod	Transaction 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)		curity	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
				Code	le V	(A)		Date Exercisab		expiration Pate	Title	or Nu	mount umber Shares		(Instr. 4)		ع)	
Stock Options (Right to buy)	\$6.38	02/01/2023		A	100,000		(2)	0	2/01/2033	Comm Stock		00,000	\$0.00	100,000		D		

Explanation of Responses:

- $1. \ Restricted \ stock \ unit \ awards \ vest \ over \ a \ four-year \ period \ at \ the \ rate \ of \ 25\% \ on \ 2/1/2024, 25\% \ on \ 2/1/2025, 25\% \ on \ 2/1/2026, \ and \ 25\% \ on \ 2/1/2027.$
- 2. The stock option vests over a four-year period at the rate of 25% on 2/1/2024 and then in 36 equal monthly installments thereafter.

Remarks:

/s/ Joseph Vittiglio

02/03/2023

** 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.