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

Washington, I	D.C. 20549
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name ar		f Reporting Person	•			ame and l bio, I			ing Symbol			(Check	all app	licable) tor		Owner
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET					3. Date of Earliest Transaction (Month/Day/Year) 01/05/2021							X Officer (give title other (sp below) President and CEO				
(Street) CAMBRIDGE MA 02142				4. 1	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Indiv Line) X	vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(S		Zip)	1.												
Table I - Non-Deriva 1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye		n	2A. Deemed Execution Date,		3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4)			d (A) or	5. Amount of Securities Beneficially Owned Following		ount of ities icially d Following		7. Nature of Indirect Beneficial Ownership			
						Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(Instr. 4)	
Common Stock 01/05/202		21			S ⁽¹⁾		333	D	\$44.9	522(2)	9	7,358	D			
Common	Stock		01/06/20	21			S ⁽¹⁾		5,873	D	\$44.7	586(3)	9	1,485	D	
Common	Stock		01/06/20	21			S ⁽¹⁾		4,222	D	\$45.4	635(4)	8	7,263	D	
Common Stock												16	58,699	I	Nick Leschly 2001 Trust	
		Та	ble II - Derivat (e.g., p						sposed of s, converti				Owne	d		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)		saction e (Instr.	5. Numbof Of Derivati Securiti Acquire (A) or Dispose of (D) (Instr. 3, and 5)	ivative urities urities urities urities posed D) ttr. 3, 4			Amo Secu Unde Deriv Secu	7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4)		rice of ivative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Beneficial Ownership t (Instr. 4)
				Cod	e V	(A) (E		ate cercisab	Expiration Date	n Title	Amour or Number of Shares	er				

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 \$44.71 to \$45.09. The average weighted price was \$44.9522. 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. The range in prices for the transaction reported on this line was \$44.25 to \$45.24. The average weighted price was \$44.7586. 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.
- 4. The range in prices for the transaction reported on this line was \$45.25 to \$45.83. The average weighted price was \$45.4635. 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-

01/08/2021

Fact

** 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.