FORM 4

Check this box if no longer subject

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Vashington,	D.C.	20549	

OMB APPROVAL								
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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* Leschly Nick						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									(Che	Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner				
	(F JEBIRD BI IEY STREE		(Middle)			Date 3/04/2		liest Trans	ansaction (Month/Day/Year)							Officer (below)	give title President	t and	Other (s below)	
(Street) CAMBR (City)		IA tate)	02142 (Zip)		4.	4. If Amendment, Date of Original Filed (Month/Day/Year) 5. Individual or Joint/Group Filing (Check Applicatine) X Form filed by One Reporting Person Form filed by More than One Reporting Person											.			
		Ta	ble I - No	n-Deri	ivativ	ve Se	ecur	ities Ac	qu	ired,	Dis	posed o	f, or	Ben	eficially	Owned				
Date			2. Trans Date (Month		ear)	2A. Deemed Execution Date, if any (Month/Day/Year)			3. Transaction Code (Instr.) 8)		4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4 a			5. Amoun Securities Beneficia Owned Fo	Formula (D) (D) (I) (I) (I) (I)		: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership		
								ď	Code	v	Amount	(A (C	A) or D)	Price	Reported Transacti (Instr. 3 a	n(s) id 4)			(Instr. 4)	
Common Stock 03/0-)4/202	2021			M		203,35	5	A	\$5.500	4 307	307,580		D			
Common Stock															168,699			I	Nick Leschly 2001 Frust	
	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)	Derivative Conversion Date Execution D Security or Exercise (Month/Day/Year) if any		Date,	Code (Instr.				6. Date Exercisa Expiration Date (Month/Day/Yea			of Securities		s Security	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)	e s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Dat Exe	te ercisab		Expiration Date	Title	1	Amount or Number of Shares		(Instr. 4)	on(a)		
Stock Option (right to buy)	\$5.5004	03/04/2021			M			203,355		(1)		01/16/2023	Comm		203,355	\$0.00	0.00		D	

Explanation of Responses:

1. This option to purchase shares of our common stock was granted on January 16, 2013 with performance-based criteria that was met on each of January 1, 2013, April 1, 2013, May 1, 2013 and June 24, 2013. The shares underlying these options vested as follows: 1) 25% options vested on January 1, 2014, with the remainder of the shares vesting in equal monthly installments over the following three years, 2) 25% options vested on April 1, 2014, with the remainder of the shares vesting in equal monthly installments over the following three years, and 4) 25% options vested on July 1, 2014, with the remainder of the shares vesting in equal monthly installments over the following three

Remarks:

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

03/08/2021

Fact

** 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.