Leschly Nick Form 4 September 05, 2017

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

may continue.

See Instruction

1. Name and Address of Reporting Person * Leschly Nick			2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(Last) (First) (Mic		3. Date of Earliest Transaction	(Check all applicable)		
C/O BLUEBIRD BIO, INC., 60 BINNEY STREET		INC., 60	(Month/Day/Year) 08/31/2017	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) President and CEO		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
CAMBRIDO	GE, MA 02	142	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tal	ble I - Non	-Derivative	e Secu	rities Acquire	ed, Disposed of, o	or Beneficially	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (TransactiorDisposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Pri)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	08/31/2017		Code V $S_{\underline{(1)}}$	Amount 24,333	(D)	\$ 115.089 (2)	289,368	D	
Common Stock	09/01/2017		M	6,364	A	\$ 5.5004	295,732	D	
Common Stock	09/01/2017		S <u>(1)</u>	22,500	D	\$ 130.0437 (3)	273,232	D	
Common Stock							17,186	I	Nick Leschly 2001 Trust

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(e.g., puts, calls, warrants, options, convertible securities)

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

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SEC 1474

(9-02)

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transactic Code (Instr. 8)			of Derivative Expiration Date decurities (Month/Day/Year) Acquired A) or Disposed of D) Instr. 3, 4,		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8 II S
			Code V	(A) (D))	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (right to buy)	\$ 5.5004	09/01/2017	M	6,3	64	<u>(4)</u>	01/16/2023	Common Stock	6,364	

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Leschly Nick C/O BLUEBIRD BIO, INC. 60 BINNEY STREET CAMBRIDGE, MA 02142	X		President and CEO				

Signatures

/s/ Jason F. Cole, Attorney-in-Fact 09/05/2017

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- (1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on December 22, 2016.

The range of prices for the transaction reported on this line was \$115.00 to \$115.65. The average weighted price was \$115.0890. The reporting person will provide, upon request by the SEC, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

Reporting Owners 2

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- The range of prices for the transaction reported on this line was \$130.00 to \$130.30. The average weighted price was \$130.0437. The reporting person will provide, upon request by the SEC, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- (4) This option vest over a four-year period, at a rate of twenty-five percent (25%) on May 1, 2014, and in 36 equal monthly installments thereafter.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.