bluebird bio, Inc. Form 4 March 03, 2016

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

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).

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * Leschly Nick	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last) (First) (Middle)	bluebird bio, Inc. [BLUE] 3. Date of Earliest Transaction			
C/O BLUEBIRD BIO, INC., 150 SECOND STREET	(Month/Day/Year) 03/01/2016	_X_ Director 10% Owner Selection Other (specification) Other (specification) President and CEO		
(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
CAMBRIDGE, MA 02141		Form filed by More than One Reporting Person		

(City)	(State) (2	Table Table	e I - Non-De	erivative S	ecuriti	es Acq	quired, Disposed o	of, or Beneficial	ly Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securiti		•	5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect
(Instr. 3)	•	any	Code	(D)	•		Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4	and 5)	Owned Following	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock (1)	03/01/2016		A	22,500	A	\$0	336,044 (2)	D	
Common							17,186	I	Nick Leschly

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

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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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Derivative Expiration Date Securities (Month/Day/Year) Acquired (A) or Disposed of (D) (Instr. 3, 4,		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 50.51	03/01/2016		A	90,000	(3)	03/01/2026	Common Stock	90,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
•	Director	10% Owner	Officer	Other			
Leschly Nick C/O BLUEBIRD BIO, INC. 150 SECOND STREET CAMBRIDGE, MA 02141	X		President and CEO				

Signatures

/s/ Jason F. Cole, Attorney-in-Fact 03/03/2016

**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) Restricted stock units for common stock vest over a four-year period at a rate of 25% on 01/04/2017, 25% on 01/04/2018, 25% on 01/04/2019, and 25% on 01/04/2020.
- (2) 303 shares were acquired under the bluebird bio, Inc. employee stock purchase plan on January 31, 2016.
- (3) This option vests over a four-year period, at a rate of twenty-five percent (25%) on January 4, 2017 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.

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