FORM 4

obligations may continue. See

Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
Leschiy	<u>NICK</u>				15	ucon	u bic	, <u></u>	<u></u> 1	LDLO		ı			X	Direc	ctor	10% (Owner	
(Last) (First) (Middle) C/O BLUEBIRD BIO, INC. 60 BINNEY STREET					3. Date of Earliest Transaction (Month/Day/Year) 01/05/2018									X	Offic below	er (give title w) President	Other (specify below) and CEO			
, oo biiviv					4.1	f Amer	dment.	Date	e of 0	Original	File	ed (Month/D	av/Year	,	6. Indiv	idual o	r Joint/Group	Filing (Check A	oplicable	
(Street) CAMBR	IDGE M.	Α ()2142	2	-		f Amendment, Date of Original Filed (Month/Day/Year)								Line)	Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(St	ate) (Zip)																	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
Date		2. Transaction Date (Month/Day/Y	ear)	2A. Deemed Execution Date, if any (Month/Day/Year)		е,	3. Transaction Code (Instr. 8)			4. Securities Acquired (A) or Dis Of (D) (Instr. 3, 4 and 5)			sposed	Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
							Cod	le V	А	mount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)			(Instr. 4)			
Common Stock 0			01/05/201	18	8						4,723(1)	D	\$173.2	.561 ⁽²⁾	1	71,009	D			
Common	Stock			01/05/201	18				S			712(1)	D	\$174.1	.699(3)	1	70,297	D		
Common	Stock															-	17,186	I	Nick Leschly 2001 Trust	
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																				
1. Title of Derivative Conversion or Exercise Price of Derivative Security			ansaction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		ative rities ired osed	r 6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price Deriva Securi (Instr. 9	ative rity	itive derivative ity Securities	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)					
					Code	v	(A)	(D))ate Exercisal	hle	Expiration Date	Title	Amount or Number of Shares						

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 \$172.85 to \$173.80. The average weighted price was \$173.2561. 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 \$173.85 to \$174.35. The average weighted price was \$174.1699. 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/ Jason F. Cole, Attorney-in-01/09/2018 <u>Fact</u>

** 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.