FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
Estimated average burden								
hours per response:	0.5							

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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				blue	2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [ BLUE ]									ck all app	olicable)	ng Person(s) to	Issuer Owner	
(Last)	(Fii JEBIRD BI	t) (Middle)				3. Date of Earliest Transaction (Month/Day/Year) 05/01/2014								X	Offic belo	,	Othe below	r (specify v)
150 SECOND STREET				4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Inc	6. Individual or Joint/Group Filing (Check Applicable				
(Street) CAMBR			2141											X		filed by Mor	e Reporting Pe e than One Re	
(City)	(St	ate) (Z	Zip)															
		Tabl	e I -	Non-Deriv	ative	Secu	ıritie	s Ac	quired,	Dis	posed o	f, or l	3enef	icially	Own	ed		
1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Y				Year) i	Execution Date,		3. 4. Securities Acquired Disposed Of (D) (Instr. 8) 5)				S, 4 and Sec Ben Owr		ount of rities ficially ed wing	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
									Code	v	Amount	(A) or (D) Prid		ice	Repo Trans		(111341. 4)	(111541. 4)
Common Stock 05/01/20				14		<b>S</b> <sup>(1)</sup>		5,000	Г	\$2	20.07	3	04,318	D				
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)	erivative   Conversion   Date   Execution Date, curity   or Exercise   (Month/Day/Year)   if any		ution Date,	Code (I	saction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			Date Expiration  Date Expiration  Expiration Date (Month/Day/Year)  Expiration  Exercisable Expiration  Date Date			7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4)  Amount or Numb of Title Share		of De Se (Ir	Price erivative ecurity estr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	

## Explanation of Responses:

- 1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on October 15, 2013.
- 2. The range of prices for the transaction reported on this line was \$20.00 to \$20.18. The average weighted price was \$20.0747. 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.

## Remarks:

/s/ Jason F. Cole, Attorney-in-Fact 05/02/2014

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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.