FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPROVAL													
	OMB Number:	3235-028												
- 1	l =													

Check this box if no longer subject to
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

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

1. Name and Address of Reporting Person* <u>Leschly Nick</u>					2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]								Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner						
	- I Company I West															er (give title	Other	Owner (specify	
(Last) (First) (Middle)						3. Date of Earliest Transaction (Month/Day/Year) 11/03/2014								X	belo	,	below t and CEO	below)	
C/O BLUEBIRD BIO, INC. 150 SECOND STREET				11/									r resident and CLO						
150 SEC	UND STRE	E1			_ 4 11	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable					
(Street)					7. "	4. II Americinent, Date of Original Filed (Montal/Ddy/ fedt)								Line)					
CAMBR:	IDGE M	Α ()2141											X Form filed by One Reporting Person Form filed by More than One Reporting					
(City)	(City) (State) (Zip)				-									Person					
(City)	(31																		
		Tabl	e I - I					s Ac	_	ed, D	isposed o			ially	Owne	ed		1	
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye				.	Execution Date,		,	3. Transaction Code (Instr. 8) 4. Securities Disposed Of					d 5) Secui Benet		ficially ed Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
										v	Amount	(A) or (D)	Price	Tra		action(s) 3 and 4)		(Instr. 4)	
Common Stock 11/03/201					014	14			S ⁽¹⁾		25,000	D	\$41.67	.6765 ⁽²⁾		48,070	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)	ce Conversion or Exercise (Month/Day/Year) Execution Date, if any			Transaction Code (Instr.		of Ex		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)				9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
					Code	v	(A)	(D)	Date Exerc	cisable	Expiration Date	Title	Amount or Number of Shares						

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 \$41.31 to \$42.18. The average weighted price was \$41.6765. 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-11/05/2014 Fact

** 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.