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*     Bain Linda						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner			
(Last)	(F UEBIRD B	· ·	Middle)			3. Date of Earliest Transaction (Month/Day/Year) 02/03/2014								X	belo	,	Othe belov ness Operat	,
150 SEC	4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)								
(Street) CAMBRIDGE MA 02141															X Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(S	tate) (	Zip)															
		Tab	le I - I	Non-Deri	ative	Sec	urit	ties A	cquired,	Dis	posed	of, or E	Benef	icially	Own	ed		
" " " " "   [				2. Transac Date (Month/Da		Exec if an	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (AD Disposed Of (D) (Instr. 3 and 5)			Secur Benet Owne	ficially d	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amoun	t (A)	or P	rice	Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(Instr. 4)
Common Stock 02/03/20						14			M		3,500 A \$		\$2.09	3,500		D		
Common Stock 02/03/20						14			S <sup>(1)</sup>		3,500 D \$		21.3(2)		0	D		
		Ta	able II	- Deriva (e.g., p					uired, Di , option						wned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	ion Date,	4. Transac Code (li 8)			6. Date Exe Expiration (Month/Da	Date	Amoun Securit Underly Derivat		urities lerlying ivative urity (Instr. 3		Price rivative curity str. 5)	9. Number of derivative e Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	
						de V (		(D)	Date Exercisable		xpiration ate	Title	Amor or Numl of Share	ber				
Stock Option (right to buy)	\$2.09	02/03/2014			M			3,500	(3)	10	/25/2021	Common Stock	3,50	00	60.00	52,516	D	

## 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 \$20.85 to \$22.02. The average weighted price was \$21.3002. 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.
- 3. This option vests over a four-year period, at rate of twenty-five percent (25%) on October 19, 2012 and in 36 equal monthly installments thereafter.

## Remarks:

<u>/s/ Linda C. Bain</u> <u>02/05/2014</u>

\*\* 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.