bluebird bio, Inc. Form 4 March 05, 2014

FORM 4

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

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

obligations

1(b).

may continue.

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

Number: January 31, Expires: 2005 Estimated average

OMB APPROVAL

3235-0287

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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 See Instruction

(Print or Type Responses)

1. Name and Address of Reporting Person * Bain Linda			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	bluebird bio, Inc. [BLUE] 3. Date of Earliest Transaction	(Check all applicable)		
C/O BLUEB: SECOND ST	IRD BIO, I	, ,	(Month/Day/Year) 02/26/2014	Director 10% Owner Other (specify below) below) VP, Fin. & Business Operations		
	(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		
CAMBRIDG	SE, MA 021	141		Form filed by More than One Reporting Person		

(City)	(State) (Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Fransaction Date 2A. Deemed		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)				6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	·
Common			Code V	Amount	(A) or (D)	Price	Following (Instr. 4) (Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	02/26/2014		M	500	A	\$ 2.09	500	D	
Common Stock	02/26/2014		S <u>(1)</u>	500	D	\$ 25.03 (2)	0	D	
Common Stock	03/03/2014		M	2,500	A	\$ 2.09	2,500	D	
Common Stock	03/03/2014		S <u>(1)</u>	2,500	D	\$ 24.79 (3)	0	D	

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

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SEC 1474 (9-02)

> 8. I De Sec (In

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. Transactio Code (Instr. 8)	5. Number proof Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exerc Expiration D (Month/Day/	ate	7. Title and Underlying (Instr. 3 and	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 2.09	02/26/2014		M	500	<u>(4)</u>	10/25/2021	Common Stock	500
Stock Option (right to buy)	\$ 2.09	03/03/2014		M	2,500	<u>(4)</u>	10/25/2021	Common Stock	2,500

Reporting Owners

Reporting Owner Name / Address	Relationships
Reporting Owner Name / Address	

Director 10% Owner Officer Other

Bain Linda C/O BLUEBIRD BIO, INC. 150 SECOND STREET CAMBRIDGE, MA 02141

VP, Fin. & Business Operations

Signatures

/s/ Linda C. Bain 03/05/2014

**Signature of Date Reporting Person

Reporting Owners 2

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) 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.
- The range of prices for the transaction reported on this line was \$25.00 to \$25.09. The average weighted price was \$25.026. The reporting (2) 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.
- The range of prices for the transaction reported on this line was \$24.05 to \$25.40. The average weighted price was \$24.785. 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.
- (4) This option vests over a four-year period, at a rate of twenty-five percent (25%) on October 19, 2012 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.