FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to	STATEMENT OF CHANGES IN BENEFICIAL	OWNERSHIP

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

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

Name and Address of Reporting Person* Walsh Jeffrey T.					2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]								Relationship heck all app Direc	icable)	g Pers	son(s) to Iss 10% Ov Other (s	vner	
(Last)	(F JEBIRD BI	•	(Middle)		Date of Earliest Transaction (Month/Day/Year) /03/2014						^ below			below)	peony			
150 SECOND STREET					4. If Amendment, Date of Original Filed (Month/Day/Year)							6	6. Individual or Joint/Group Filing (Check Applicable					
(Street)	IDGE M	ÍΑ	02141	4.	II AIIIE	nument, i	Dale	oi Originai i	riieu	(IMOHUI)/De	ay/ rear)		ne) X Form	filed by One	e Repo	orting Person One Repor	n	
(City)	(S	tate)	(Zip)										1 0130					
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
Date				Transaction ate lonth/Day/Y	Execution Date,		r) Code (Instr. 5)		d Of (D) (Ins	tr. 3, 4 an	d Securit Benefic Owned Reporte	5. Amount of Securities Beneficially Owned Following Reported		n: Direct r Indirect estr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
						Code	V	Amount	(A) or (D) Pri		Transa (Instr. 3	saction(s) r. 3 and 4)						
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)	vative Conversion Date Execution Date, urity or Exercise (Month/Day/Year) if any		Code (ransaction of ode (Instr. Derivative		ive ies ed ed ed nstr.	6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amoun of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisabl		Expiration Date	Title	Amount or Number of Shares	1					
Stock Option (right to buy)	\$24.47	03/03/2014		A		50,000		(1)	O	3/03/2024	Common Stock	50,000	\$0.00	50,00	0	D		

Explanation of Responses:

1. This option vests over a four-year period, at a rate of twenty-five percent (25%) on January 1, 2015 and in 36 equal monthly installments thereafter.

Remarks:

/s/ Linda C. Bain, Attorney-in-03/05/2014 **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.