Instruction 1(b).

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
Section 16. Form 4 or Form 5		
obligations may continue. See		

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

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 appli Directo	cable)	g Pers	son(s) to Iss 10% Ov Other (s	vner
	(F JEBIRD BI OND STRI	O, INC.	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 03/02/2015							helow)		ating	below)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
(Street) CAMBR (City)		tate)	02141 (Zip)			·		of Original		`	,	Liı	X Form 1 Form 1 Person	iled by One iled by Mor	e Repo	g (Check Apporting Person One Repor	n
		Tab	le I - Non-E	Derivativ	e Se	curities	s Ac	quired,	Dis				lly Owned	<u> </u>			
Date			. Transaction ate Month/Day/Y	Execution Date,		Code (Instr. 5)			ed (A) or tr. 3, 4 an	Benefici	es For ally (D) Following (I) (Ownership rm: Direct or Indirect (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
						Code	v	Amount	(A) or (D) Price		Transac	Transaction(s) (Instr. 3 and 4)			(1130.4)		
	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, irity or Exercise (Month/Day/Year) if any		Code	ransaction of ode (Instr. Derivative		Expiration Date of Secur (Month/Day/Year) Underly Derivati			of Securiti Underlyin Derivative			9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisab		Expiration Date	Title	Amount or Number of Shares					
Stock Option (right to buy)	\$97.4	03/02/2015		A		75,000		(1)	C	03/02/2025	Common Stock	75,000	\$0.00	75,000	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, 2016 and in 36 equal monthly installments thereafter.

Remarks:

/s/ Jason F. Cole, Attorney-in-03/03/2015 **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.