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* Davidson David						2. Issuer Name and Ticker or Trading Symbol bluebird bio, Inc. [BLUE]											Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner					
(Last)	(Fi JEBIRD BI	,	Middle)			3. Date of Earliest Transaction (Month/Day/Year) 02/03/2014										X	Offic belov	cer (give title		Other (specify below)		
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) CAMBR (City)												X Form filed by One Reporting Person Form filed by More than One Reporting Person										
(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																						
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day					tion	2A. I Exec if an	Deemed		3. Transaction Code (Instr.			4. Securities Acquired (. Disposed Of (D) (Instr. 3 and 5)				A) or 5. Am Secur Bene Owne		ount of ities icially	For (D) Ind	lirect (I)	7. Nature of Indirect Beneficial Ownership	
									Code	\	,	Amoun	t (A) or Pri		Price				(Ins	str. 4)	(Instr. 4)	
Common	014				M			8,00	00	A \$.09	8,000			D						
Common Stock 02/03/2						014						8,00	00 D \$		\$21	.3(2)		0		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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	ion Date,	4. Transaction Code (Instr. 3)		Number		6. Date Exercisal Expiration Date (Month/Day/Year				7. Title and Amount of Securities Underlying Derivative Security (Instr and 4)			of Deri Secu	Price erivative ecurity estr. 5)	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 Exercisa	ble	Exp	piration te	Title	0 N 0	Amount or Jumber of Shares							
Stock Option (right to buy)	\$2.09	02/03/2014			М			8,000	(3)		04/	13/2022	Comm		8,000	\$(0.00	119,239		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 14, 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 a rate of twenty-five percent (25%) on February 13, 2013 and in 36 equal monthly installments thereafter.

Remarks:

/s/ Linda C. Bain, Attorney-in-**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.