

bluebird bio, Inc.  
Form 3  
June 18, 2013

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â Finer Mitchell H.		(Month/Day/Year)	bluebird bio, Inc. [BLUE]	
(Last)	(First)	(Middle)	06/18/2013	
C/O BLUEBIRD BIO, INC., Â 840 MEMORIAL DRIVE, 4TH FLOOR			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
CAMBRIDGE, Â MA Â 02139			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
			Chief Scientific Officer	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

**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 control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	

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				Shares		or Indirect (I) (Instr. 5)	
Stock Option (right to buy)	Â (1)	09/15/2020	Common Stock	109,769	\$ 0.95	D	Â
Stock Option (right to buy)	Â (2)	07/13/2021	Common Stock	43,170	\$ 2.09	D	Â
Stock Option (right to buy)	Â (3)	07/13/2021	Common Stock	25,500	\$ 2.09	D	Â
Stock Option (right to buy)	Â (4)	06/04/2022	Common Stock	26,361	\$ 2.09	D	Â
Stock Option (right to buy)	Â (5)	01/16/2023	Common Stock	165,047	\$ 5.5	D	Â
Stock Option (right to buy)	Â (6)	04/29/2023	Common Stock	527	\$ 8.16	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Finer Mitchell H. C/O BLUEBIRD BIO, INC. 840 MEMORIAL DRIVE, 4TH FLOOR CAMBRIDGE, MA 02139	Â	Â	Â Chief Scientific Officer	Â

## Signatures

/s/ Linda C. Bain, 06/18/2013  
Attorney-in-Fact

\_\_Signature of Reporting Person Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(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) This option vests in 48 equal monthly installments, commencing on March 8, 2010.
- (2) This option vests at a rate of twenty-five percent (25%) on April 15, 2012 and in 36 equal monthly installments thereafter.  
This option vests as follows: (i) 12,750 shares vest at a rate of twenty-five percent (25%) on April 15, 2012 and in 36 equal monthly installments thereafter; and (ii) 12,750 shares vest at a rate of twenty-five percent (25%) on May 1, 2013 and in 36 equal monthly installments thereafter.
- (3) This option vests at a rate of twenty-five percent (25%) on May 1, 2013 and in 36 equal monthly installments thereafter.  
This option vests as follows: (i) 107,281 shares vest at a rate of twenty-five percent (25%) on January 1, 2014 and in 36 equal monthly installments thereafter; (ii) 16,504 shares vest at a rate of twenty-five percent (25%) on April 1, 2014 and in 36 equal monthly installments thereafter; and (iii) 41,262 shares vest at a rate of twenty-five percent (25%) on May 1, 2014 and in 36 equal monthly installments thereafter.
- (4) This option is fully vested.
- (5) This option is fully vested.
- (6) This option is fully vested.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure.

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