bluebird bio, Inc. Form 4 June 26, 2013

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

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

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Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Mulder Geert-Jan Issuer Symbol bluebird bio, Inc. [BLUE] (Check all applicable) (First) (Middle) 3. Date of Earliest Transaction (Last) (Month/Day/Year) _X__ Director 10% Owner Officer (give title Other (specify C/O CO?PERATIVE AAC LS 06/24/2013 below) U.A., PO BOX 5187 4. If Amendment, Date Original (Street) 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line)

NAARDEN, P7 1410 AD

(City)	(State)	(Zip) Tab	le I - Non-I	Derivative Sec	urities	Acqui	red, Disposed of,	or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities and Disposed of (Instr. 3, 4 and Amount	of (D)	ed (A)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	06/24/2013		C	1,155,121 (1)	A	\$0	1,155,121	I	See footnote

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

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactio Code (Instr. 8)			6. Date Exer Expiration D (Month/Day/	7. Title and Underlying (Instr. 3 and	
	Security			Code V	(A)	(D)	Date Exercisable	Expiration Date	Title
Series A-1 Convertible Preferred Stock	(3)	06/24/2013		C	(A)	2,643,906	(3)	(3)	Commo Stock
Series A-2 Convertible Preferred Stock	(3)	06/24/2013		C		6,281,095	(3)	(3)	Commo Stock
Series B Convertible Preferred Stock	(3)	06/24/2013		C		10,649,408	(3)	<u>(3)</u>	Commo Stock
Series C Convertible Preferred Stock	(3)	06/24/2013		C		1,331,416	(3)	(3)	Commo Stock
Series D Convertible Preferred Stock	(3)	06/24/2013		C		1,003,411	(3)	(3)	Commo Stock
Warrant to Purchase Series A-1 Stock (right to buy)	\$ 0.6619	06/24/2013		J <u>(4)</u>		153,699	<u>(5)</u>	11/16/2015	Series A Convertil Preferre Stock
Warrant to Purchase Common (right to buy)	\$ 12.55	06/24/2013		J <u>(4)</u>	14,934		<u>(5)</u>	11/16/2015	Commo Stock
Warrant to Purchase Series A-1 Stock (right to buy)	\$ 0.6619	06/24/2013		J <u>(4)</u>		188,849	<u>(5)</u>	10/26/2016	Series A Convertil Preferre Stock
Warrant to Purchase Common (right to	\$ 12.55	06/24/2013		J <u>(4)</u>	9,956		<u>(5)</u>	10/26/2016	Commo Stock

buy)								
Warrant to Purchase Series A-1 Stock (right to buy)	\$ 0.6619	06/24/2013	J <u>(4)</u>		623,204	<u>(5)</u>	05/03/2017	Series A Convertil Preferre Stock
Warrant to Purchase Common (right to buy)	\$ 12.55	06/24/2013	J <u>(4)</u>	32,856		<u>(5)</u>	05/03/2017	Commo Stock
Warrant to Purchase Series A-1 Stock (right to buy)	\$ 0.6619	06/24/2013	J <u>(4)</u>		141,637	<u>(5)</u>	08/28/2018	Series A Convertil Preferre Stock
Warrant to Purchase Common (right to buy)	\$ 12.55	06/24/2013	J <u>(4)</u>	7,467		<u>(5)</u>	08/28/2018	Commo Stock
Warrant to Purchase Series A-1 Stock (right to buy)	\$ 0.6619	06/24/2013	J <u>(4)</u>		141,637	<u>(5)</u>	12/18/2018	Series A Convertil Preferre Stock
Warrant to Purchase Common (right to buy)	\$ 12.55	06/24/2013	J <u>(4)</u>	7,467		<u>(5)</u>	12/18/2018	Commo Stock
Warrant to Purchase Series A-1 Stock (right to buy)	\$ 0.6619	06/24/2013	J <u>(4)</u>		277,608	<u>(5)</u>	04/15/2019	Series A Convertil Preferre Stock
Warrant to Purchase Common (right to buy)	\$ 12.55	06/24/2013	J <u>(4)</u>	14,634		<u>(5)</u>	04/15/2019	Commo Stock
Warrant to Purchase Series B Stock (right to buy)	\$ 0.3262	06/24/2013	J <u>(6)</u>		172,440	<u>(5)</u>	04/15/2019	Series I Convertil Preferre Stock

Warrant to Purchase

(right to buy)

Common \$ 6.19 06/

06/24/2013

J₍₆₎ 9,091

(5) 04/15/2019

Commo Stock

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Mulder Geert-Jan C/O CO?PERATIVE AAC LS U.A. PO BOX 5187 NAARDEN, P7 1410 AD

X

Signatures

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

06/26/2013

**Signature of Reporting Person

Date

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).
- Represents the total number of shares received upon conversion of shares of the Issuer's Series A-1 Convertible Preferred Stock (the "Series A-1 Shares"), Series A-2 Convertible Preferred Stock (the "Series A-2 Shares"), Series B Convertible Preferred Stock (the "Series A-2 Shares")
- (1) B Shares"), Series C Convertible Preferred Stock (the "Series C Shares") and Series D Convertible Preferred Stock (the "Series D Shares" and together with the Series A-1 Shares, the Series A-2 Shares, the Series B Shares and the Series C Shares, collectively, the "Preferred Shares").
- (2) The securities are held directly by Cooperative AAC LS U.A. ("Cooperative"). The Reporting Person is a director of Cooperative and disclaims beneficial ownership of all shares held by the foregoing entity except to the extent of his pecuniary interest therein.
- (3) Effective upon the closing of the Issuer's initial public offering of its Common Stock, each Preferred Share automatically converted at a ratio of 18.967-to-one into the number of shares of Common Stock shown in column 7. The Preferred Shares had no expiration date.
- Upon completion of the Issuer's initial public offering, the warrant to purchase shares of Series A-1 Preferred Stock automatically converted on an 18.967-for-one basis into a warrant to purchase shares of Common Stock. Disposition of the Warrant to Purchase Series A-1 Preferred Stock and acquisition of the Warrant to Purchase Common Stock is listed solely for the purpose of reporting such conversion of the shares underlying the security.
- (5) This warrant is immediately exercisable.
- Upon completion of the Issuer's initial public offering, the warrant to purchase shares of Series B Preferred Stock automatically converted on an 18.967-for-one basis into a warrant to purchase shares of Common Stock. Disposition of the Warrant to Purchase Series B Preferred Stock and acquisition of the Warrant to Purchase Common Stock is listed solely for the purpose of reporting such conversion of the shares underlying the security.

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.

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