

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 Mulder Geert-Jan	(Month/Day/Year)	bluebird bio, Inc. [BLUE]
(Last) (First) (Middle)	06/18/2013	
	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
C/O CO?PERATIVE AAC LS		
U.A.,Â PO BOX 5187	(Check all applicable)	
(Street)	<input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
	<input type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
NAARDEN,Â P7Â 1410 AD	(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
(City) (State) (Zip)		

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

1. Title of Security	2. Amount of Securities Beneficially Owned	3. Ownership Form:	4. Nature of Indirect Beneficial Ownership
(Instr. 4)	(Instr. 4)	Direct (D) or Indirect (I)	(Instr. 5)
		(Instr. 5)	

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

SEC 1473 (7-02)

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

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

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(Instr. 5)

Series A-1 Convertible Preferred Stock	Â <u>(1)</u>	Â <u>(1)</u>	Common Stock	139,395	\$ <u>(1)</u>	I	See footnote <u>(2)</u>
Series A-2 Convertible Preferred Stock	Â <u>(3)</u>	Â <u>(3)</u>	Common Stock	331,158	\$ <u>(3)</u>	I	See footnote <u>(2)</u>
Series B Preferred Convertible Preferred Stock	Â <u>(4)</u>	Â <u>(4)</u>	Common Stock	561,470	\$ <u>(4)</u>	I	See footnote <u>(2)</u>
Series C Preferred Convertible Preferred Stock	Â <u>(5)</u>	Â <u>(5)</u>	Common Stock	70,196	\$ <u>(5)</u>	I	See footnote <u>(2)</u>
Series D Preferred Convertible Preferred Stock	Â <u>(6)</u>	Â <u>(6)</u>	Common Stock	52,902	\$ <u>(6)</u>	I	See footnote <u>(2)</u>
Warrant to Purchase Series A-1 Stock (right to buy)	Â <u>(7)</u>	11/16/2015	Series A-1 Convertible Preferred Stock <u>(8)</u>	14,934	\$ 12.55	I	See footnote <u>(2)</u>
Warrant to Purchase Series A-1 Stock (right to buy)	Â <u>(7)</u>	10/26/2016	Series A-1 Convertible Preferred Stock <u>(8)</u>	9,956	\$ 12.55	I	See footnote <u>(2)</u>
Warrant to Purchase Series A-1 Stock (right to buy)	Â <u>(7)</u>	05/03/2017	Series A-1 Convertible Preferred Stock <u>(8)</u>	32,856	\$ 12.55	I	See footnote <u>(2)</u>
Warrant to Purchase Series A-1 Stock (right to buy)	Â <u>(7)</u>	08/28/2018	Series A-1 Convertible Preferred Stock <u>(8)</u>	7,467	\$ 12.55	I	See footnote <u>(2)</u>
Warrant to Purchase Series A-1 Stock (right to buy)	Â <u>(7)</u>	12/18/2018	Series A-1 Convertible Preferred Stock <u>(8)</u>	7,467	\$ 12.55	I	See footnote <u>(2)</u>
Warrant to Purchase Series A-1 Stock (right to buy)	Â <u>(7)</u>	04/15/2019	Series A-1 Convertible Preferred Stock <u>(8)</u>	14,634	\$ 12.55	I	See footnote <u>(2)</u>
Warrant to Purchase Series B Stock (right to buy)	Â <u>(7)</u>	04/15/2019	Series B Convertible Preferred Stock <u>(9)</u>	9,091	\$ 6.19	I	See footnote <u>(2)</u>

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Mulder Geert-Jan C/O COOPERATIVE AAC LS U.A. PO BOX 5187 NAARDEN, P7 1410 AD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Signatures

Linda Bain,  
Attorney-in-Fact

06/18/2013

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) The Series A-1 Convertible Preferred Stock is convertible into Common Stock on an 18.967-for-one basis into the number of shares of Common Stock as shown in column 3 at any time at the holder's election, and automatically upon the closing of the Issuer's initial public offering, and has no expiration date.

(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) The Series A-2 Convertible Preferred Stock is convertible into Common Stock on an 18.967-for-one basis into the number of shares of Common Stock as shown in column 3 at any time at the holder's election, and automatically upon the closing of the Issuer's initial public offering, and has no expiration date.

(4) The Series B Convertible Preferred Stock is convertible into Common Stock on an 18.967-for-one basis into the number of shares of Common Stock as shown in column 3 at any time at the holder's election, and automatically upon the closing of the Issuer's initial public offering, and has no expiration date.

(5) The Series C Convertible Preferred Stock is convertible into Common Stock on an 18.967-for-one basis into the number of shares of Common Stock as shown in column 3 at any time at the holder's election, and automatically upon the closing of the Issuer's initial public offering, and has no expiration date.

(6) The Series D Convertible Preferred Stock is convertible into Common Stock on an 18.967-for-one basis into the number of shares of Common Stock as shown in column 3 at any time at the holder's election, and automatically upon the closing of the Issuer's initial public offering, and has no expiration date.

(7) This warrant is immediately exercisable.

(8) Upon completion of the Issuer's initial public offering, this warrant to purchase shares of Series A-1 Convertible Preferred Stock will automatically convert on an 18.967-for-one basis into a warrant to purchase shares of Common Stock.

(9) Upon completion of the Issuer's initial public offering, this warrant to purchase shares of Series B Convertible Preferred Stock will automatically convert on an 18.967-for-one basis into a warrant to purchase shares of Common Stock.

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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