

Mueller Brian  
 Form 3  
 March 11, 2011

**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 <b>and</b> Ticker or Trading Symbol                         |  |
| Â Mueller Brian                                       |         | (Month/Day/Year)                     | BIOMARIN PHARMACEUTICAL INC [BMRN]   |  |
| (Last)  | (First) | (Middle)                             | 03/02/2011   |  |
| C/O BIOMARIN PHARMACEUTICAL INC., Â 105 DIGITAL DRIVE |         |                                      | 4. Relationship of Reporting Person(s) to Issuer                           | 5. If Amendment, Date Original Filed(Month/Day/Year)                   |
| (Street)  |         |                                      | (Check all applicable)   |  |
| NOVATO, Â CA Â 94949                                  |         |                                      | <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  |
|   |         |                                      | VP, Corporate Controller   |  |

**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) |
|---------------------------------|---|--|---|
| Common Stock                    | 1,112   | D  | Â   |

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 (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 | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|---|---|---|
|--|--|---|---|---|---|

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|                             | Date Exercisable          | Expiration Date | Title        | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) |   |
|-----------------------------|---------------------------|-----------------|--------------|----------------------------|----------|---------------------------------------|---|
| Stock Option (right to buy) | 07/06/2006 <sup>(1)</sup> | 01/05/2016      | Common Stock | 15,000                     | \$ 11.74 | D                                     | Â |
| Stock Option (right to buy) | 05/20/2007 <sup>(2)</sup> | 11/19/2016      | Common Stock | 10,000                     | \$ 17.54 | D                                     | Â |
| Stock Option (right to buy) | 12/07/2007 <sup>(3)</sup> | 06/06/2017      | Common Stock | 9,500                      | \$ 17.33 | D                                     | Â |
| Stock Option (right to buy) | 12/27/2007 <sup>(4)</sup> | 06/26/2017      | Common Stock | 1,000                      | \$ 17.89 | D                                     | Â |
| Stock Option (right to buy) | 11/22/2008 <sup>(5)</sup> | 05/21/2018      | Common Stock | 11,000                     | \$ 38.59 | D                                     | Â |
| Stock Option (right to buy) | 06/17/2009 <sup>(6)</sup> | 12/16/2018      | Common Stock | 3,500                      | \$ 17.86 | D                                     | Â |
| Stock Option (right to buy) | 11/12/2009 <sup>(7)</sup> | 05/11/2019      | Common Stock | 25,000                     | \$ 14.39 | D                                     | Â |
| Stock Option (right to buy) | 11/12/2010 <sup>(8)</sup> | 05/11/2020      | Common Stock | 22,700                     | \$ 21.51 | D                                     | Â |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                            |       |
|--|---------------|-----------|----------------------------|-------|
|  | Director      | 10% Owner | Officer                    | Other |
| Mueller Brian<br>C/O BIOMARIN PHARMACEUTICAL INC.<br>105 DIGITAL DRIVE<br>NOVATO, CA 94949 | Â             | Â         | Â VP, Corporate Controller | Â     |

## Signatures

/s/Laura Randall Woodhead,  
Attorney-in-Fact

03/11/2011

\_\_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) Original option grant vests 6/48ths on July 6, 2006 and 1/48th on the 6th of each month thereafter.
- (2) Original option grant vests 6/48ths on May 20, 2007 and 1/48th on the 20th of each month thereafter.
- (3) Original option grant vests 6/48ths on December 7, 2007 and 1/48th on the 7th of each month thereafter.
- (4) Original option grant vests 6/48ths on December 27, 2007 and 1/48th on the 27th of each month thereafter.
- (5) Original option grant vests 6/48ths on November 22, 2008 and 1/48th on the 22nd of each month thereafter.

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- (6) Original option grant vests 6/48ths on June 17, 2009 and 1/48th on the 17th of each month thereafter.
- (7) Original option grant vests 6/48ths on November 12, 2009 and 1/48th on the 12th of each month thereafter.
- (8) Original option grant vests 6/48ths on November 12, 2010 and 1/48th on the 12th of each month thereafter.

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.