

Shigeta Hiroaki  
Form 4  
March 28, 2013

**FORM 4**

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

OMB APPROVAL

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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 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 \*  
Shigeta Hiroaki

(Last) (First) (Middle)  
8 SYLVAN WAY  
(Street)  
PARSIPPANY, NJ 07054  
(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
MEDICINES CO /DE [MDCO]

3. Date of Earliest Transaction  
(Month/Day/Year)  
03/26/2013

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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 Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	03/26/2013		M		7,500	A	\$ 19.6 26,000
Common Stock <sup>(1)</sup>	03/26/2013		S		7,500	D	\$ 33.5 18,500
Common Stock	03/26/2013		M		7,500	A	\$ 18.3 26,000
Common Stock <sup>(1)</sup>	03/26/2013		S		7,500	D	\$ 33.5 18,500
Common Stock	03/26/2013		M		18,259	A	\$ 18.18 36,759
	03/26/2013		S		18,259	D	\$ 33.5 18,500

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Common  
Stock <sup>(1)</sup>

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

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(9-02)

**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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Options (Right to buy)	\$ 19.6	03/26/2013		M	7,500	<u>(2)</u> 05/24/2017	Common Stock	7,500
Options (Right to buy)	\$ 18.3	03/26/2013		M	7,500	<u>(3)</u> 05/29/2018	Common Stock	7,500
Options (Right to buy)	\$ 18.18	03/26/2013		M	18,259	<u>(4)</u> 05/26/2021	Common Stock	18,259

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Shigeta Hiroaki 8 SYLVAN WAY PARSIPPANY, NJ 07054		X		

## Signatures

/s/ Glenn Sblendorio as Attorney-in-Fact for Hiro Shigeta 03/28/2013

\_\_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).

- (1) The common stock sales reported on this Form 4 were effected pursuant to a Rule 10b5-1 program adopted by Mr. Shigeta on February 22, 2013.
- (2) As of 3/26/2013, the original grant (7,500 shares granted on 5/24/2007) was fully vested.
- (3) As of 3/26/2013, the original grant (7,500 shares granted on 5/29/2008) was fully vested.
- (4) As of 3/26/2013, the original grant (18,259 shares granted on 5/26/2011) was 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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