

Flynn James E
Form 3
August 09, 2010

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	
Flynn James E		(Month/Day/Year)	MEDICINES CO /DE [MDCO]	
(Last)	(First)	(Middle)	08/04/2010	
780 THIRD AVENUE, 37TH FLOOR			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
NEW YORK, NY 10017			<input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input type="checkbox"/> Officer <input checked="" type="checkbox"/> Other	<input type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input checked="" type="checkbox"/> Form filed by More than One Reporting Person
			Possible Members of 10% Group	

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	2,055,442	I ⁽¹⁾	Through Deerfield Partners, L.P. ⁽²⁾
Common Stock	2,713,566	I ⁽¹⁾	Through Deerfield International Limited ⁽³⁾
Common Stock	40,000	D	^

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)

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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) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Call Option (right to buy)	Â (4)	10/16/2010	Common Stock	94,200	\$ 11	I (1)	Through Deerfield Partners, L.P. (2)
Call Option (right to buy)	Â (4)	10/16/2010	Common Stock	124,400	\$ 11	I (1)	Through Deerfield International Limited (3)
Call Option (right to buy)	Â (4)	10/16/2010	Common Stock	139,900	\$ 12.5	I (1)	Through Deerfield Partners, L.P. (2)
Call Option (right to buy)	Â (4)	10/16/2010	Common Stock	173,600	\$ 12.5	I (1)	Through Deerfield International Limited (3)
Call Option (right to buy)	Â (4)	08/21/2010	Common Stock	4,700	\$ 12.5	I (1)	Through Deerfield Partners, L.P. (2)
Call Option (right to buy)	Â (4)	08/21/2010	Common Stock	6,300	\$ 12.5	I (1)	Through Deerfield International Limited (3)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Flynn James E 780 THIRD AVENUE 37TH FLOOR NEW YORK, NY 10017	Â	Â X	Â	Possible Members of 10% Group
DEERFIELD CAPITAL LP 780 THIRD AVENUE 37TH FLOOR NEW YORK, NY 10017	Â	Â X	Â	Possible Members of 10% Group
DEERFIELD PARTNERS, LP 780 THIRD AVENUE 37TH FLOOR NEW YORK, NY 10017	Â	Â X	Â	Possible Members of 10% Group
DEERFIELD MANAGEMENT CO /NY 780 THIRD AVENUE, 37TH FLOOR NEW YORK, NY 10017	Â	Â X	Â	Possible Members of 10% Group
DEERFIELD INTERNATIONAL LTD C/O CITI FUND SERVICES (BVI) LTD	Â	Â X	Â	Possible Members of 10% Group

BISON COURT, PO BOX 3460, ROAD TOWN
TORTOLA, D8 --

Signatures

/s/ Darren
Levine 08/09/2010

**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 Form 3 is being filed by the undersigned as well as the entities listed on the Joint Filer Information Statement attached as an exhibit hereto (the "Reporting Persons").

Deerfield Capital, L.P. is the general partner of Deerfield Partners, L.P. (the "Domestic Fund"). James E. Flynn is the managing member of the general partner of Deerfield Capital, L.P. In accordance with Instruction 5 (b)(iv) to Form 3, the entire amount of the Issuer's securities held by the Domestic Fund is reported herein. For purposes of Section 16 of the Securities Exchange Act of 1934, each Reporting Person disclaims beneficial ownership of any such securities, except to the extent of his/its indirect pecuniary interest therein, if any, and this report shall not be deemed an admission that such Reporting Person is the beneficial owner of such securities for purposes of Section 16 or otherwise.
 - (2) Deerfield Management Company, L.P. is the investment manager of Deerfield International Limited (the "Offshore Fund"). James E. Flynn is the managing member of the general partner of Deerfield Management Company, L.P. In accordance with Instruction 5(b)(iv) to Form 3, the entire amount of the Issuer's securities held by the Offshore Fund is reported herein. For purposes of Section 16 of the Securities Exchange Act of 1934, each Reporting Person disclaims beneficial ownership of any such securities, except to the extent of his/its indirect pecuniary interest therein, if any, and this report shall not be deemed an admission that such Reporting Person is the beneficial owner of such securities for purposes of Section 16 or otherwise.
 - (3) These call options were immediately exercisable upon purchase.
 - (4)

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Remarks:

DarrenÂ Levine,Â Attorney-In-FactÂ whichÂ isÂ incorporatedÂ byÂ referenceÂ toÂ ExhibitÂ 24Â ofÂ theÂ FormÂ 3Â fle

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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