

Flynn James E
 Form 3
 March 04, 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)	Fibrocell Science, Inc. [FCSC]	
(Last)	(First)	(Middle)	03/02/2010	
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 ⁽¹⁾	708,000	I	Through Deerfield Special Situations Fund, L.P. ⁽²⁾
Common Stock ⁽¹⁾	1,292,000	I	Through Deerfield Special Situations Fund International Limited ⁽³⁾

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

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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			
Common Stock Warrants (right to buy)	03/02/2010	03/02/2015	Common Stock	708,000	\$ 0.98	I	Through Deerfield Special Situations Fund, L.P. ⁽²⁾
Common Stock Warrants (right to buy)	03/02/2010	03/02/2015	Common Stock	1,292,000	\$ 0.98	I	Through Deerfield Special Situations Fund 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 Special Situations Fund, L.P. 780 3RD AVENUE 37TH FLOOR NEW YORK, NY 10017	Â	Â X	Â		Possible Members of 10% Group

Signatures

/s/ Darren
Levine 03/04/2010

 **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").
- (2)

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Deerfield Capital, L.P. is the general partner of Deerfield Special Situations Fund, L.P. (the "Capital 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 Capital 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) Deerfield Management Company, L.P. is the investment manager of Deerfield Special Situations Fund International Limited (the "Management 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 Management 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.

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Remarks:

DarrenÂ Levine,Â Attorney-in-Fact:Â Â PowerÂ ofÂ AttorneyÂ isÂ attachedÂ heretoÂ asÂ exhibitÂ 24

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.