

Fibrocell Science, Inc.  
Form SC 13D/A  
July 27, 2015

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549

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SCHEDULE 13D  
(Amendment No. 4)\*  
Under the Securities Exchange Act of 1934

FIBROCELL SCIENCE, INC.  
(Name of Issuer)

Common Stock, par value \$0.001 per share  
(Title of Class of Securities)

315721100  
(CUSIP Number)

Third Security, LLC  
1881 Grove Avenue  
Radford, Virginia 24141  
Attention: Marcus E. Smith, Esq.  
(540) 633-7900  
(Name, Address and Telephone Number of Person  
Authorized to Receive Notices and Communications)

Copy to:  
Intrexon Corporation  
Attention: Legal  
20374 Seneca Meadows Parkway  
Germantown, Maryland 20876  
(301) 556-9809

July 27, 2015  
(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition which is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(b)(3) or (4), check the following box .

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be “filed” for the purpose of Section 18 of the Securities Exchange Act of 1934 (“Act”) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1 NAMES OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)  
Randal J. Kirk

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)  
(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS (SEE INSTRUCTIONS)  
PF

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(D) OR 2(E)

6 CITIZENSHIP OR PLACE OF ORGANIZATION  
United States

7 SOLE VOTING POWER  
10,219,631

8 NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH  
SHARED VOTING POWER  
6,400,783

9 SOLE DISPOSITIVE POWER  
10,219,631

10 SHARED DISPOSITIVE POWER  
6,400,783

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
16,620,414

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)

38.2%

14 TYPE OF REPORTING PERSON  
IN

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NAMES OF REPORTING  
PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

1

THIRD SECURITY, LLC  
I.R.S. IDENTIFICATION NO.:  
54-1923091  
CHECK THE APPROPRIATE BOX (a)  
IF A MEMBER OF A GROUP (b)

2

SEC USE ONLY

3

SOURCE OF FUNDS (SEE  
INSTRUCTIONS)

4

WC

CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEM  
2(D) OR 2(E)

5

CITIZENSHIP OR PLACE OF  
ORGANIZATION

6

Virginia

SOLE VOTING POWER

7 10,219,631

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON WITH

SHARED VOTING POWER

8 0

SOLE DISPOSITIVE POWER

9 10,219,631

SHARED DISPOSITIVE POWER

10 0

AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON

11

10,219,631

CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW

12

(11) EXCLUDES CERTAIN  
SHARES (SEE INSTRUCTIONS)

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)

23.5%

14 TYPE OF REPORTING PERSON  
OO – limited liability company

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NAMES OF REPORTING  
PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

1

NRM VII HOLDINGS I, LLC  
I.R.S. IDENTIFICATION NO.:  
27-1471440

CHECK THE APPROPRIATE BOX  
IF A MEMBER OF A GROUP (a)  
(b)

2

SEC USE ONLY

3

SOURCE OF FUNDS (SEE  
INSTRUCTIONS)

4

WC

CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEM  
2(D) OR 2(E)

5

CITIZENSHIP OR PLACE OF  
ORGANIZATION

6

Virginia

SOLE VOTING POWER

7 9,619,512

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON WITH

SHARED VOTING POWER

8 0

SOLE DISPOSITIVE POWER

9 9,619,512

SHARED DISPOSITIVE POWER

10 0

AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON

11

9,619,512

CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW

12

(11) EXCLUDES CERTAIN  
SHARES (SEE INSTRUCTIONS)

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)

22.1%

14 TYPE OF REPORTING PERSON  
OO – limited liability company

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NAMES OF REPORTING  
PERSONS  
I.R.S. IDENTIFICATION NOS. OF  
ABOVE PERSONS (ENTITIES  
ONLY)

1

INTREXON CORPORATION  
I.R.S. IDENTIFICATION NO.:  
26-0084895  
CHECK THE APPROPRIATE BOX (a)  
IF A MEMBER OF A GROUP (b)

2

SEC USE ONLY

3

SOURCE OF FUNDS (SEE  
INSTRUCTIONS)

4

WC

CHECK BOX IF DISCLOSURE OF  
LEGAL PROCEEDINGS IS  
REQUIRED PURSUANT TO ITEM  
2(D) OR 2(E)

5

CITIZENSHIP OR PLACE OF  
ORGANIZATION

6

Virginia

SOLE VOTING POWER

7 0

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON WITH

SHARED VOTING POWER

8 6,400,783

SOLE DISPOSITIVE POWER

9 0

SHARED DISPOSITIVE POWER

10 6,400,783

AGGREGATE AMOUNT  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON

11

6,400,783

CHECK BOX IF THE  
AGGREGATE AMOUNT IN ROW

12

(11) EXCLUDES CERTAIN  
SHARES (SEE INSTRUCTIONS)

13 PERCENT OF CLASS  
REPRESENTED BY AMOUNT IN  
ROW (11)

14.7%

14 TYPE OF REPORTING PERSON  
CO

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This Amendment No. 4 (this “Amendment”) amends and supplements the Statement on Schedule 13D, dated October 9, 2012 and filed October 15, 2012, as amended by Amendment No. 1, dated July 26, 2013 and filed July 30, 2013, as amended by Amendment No. 2 dated October 1, 2013 and filed October 3, 2013, as amended by Amendment No. 3 dated January 24, 2014 and filed January 28, 2014 (the “Original Schedule 13D”), relating to the Common Stock, par value \$0.01 per share (the “Common Stock”), of Fibrocell Science, Inc., a Delaware corporation (the “Company”), whose principal executive offices are located at 405 Eagleview Blvd., Exton, Pennsylvania 19341. Mr. Randal J. Kirk (“Mr. Kirk”), NRM VII Holdings I, LLC (“NRM VII Holdings”), a Virginia limited liability company that is managed by an affiliate that is managed by Third Security, LLC (“Third Security”), a Virginia limited liability company that is managed by Mr. Kirk, and Intrexon Corporation, a Virginia corporation (“Intrexon” and, together with Mr. Kirk, NRM VII Holdings and Third Security, the “Reporting Persons”), are filing this Amendment to disclose the purchase of 375,868 shares of Common Stock by Intrexon, 582,116 shares of Common Stock by Kapital Joe, LLC, a Virginia limited liability company that is managed by Third Security (“Kapital Joe”) and 18,003 shares of Common Stock by Mascara Kaboom, LLC, a Virginia limited liability company that is managed by Third Security (“Mascara Kaboom”) in an underwritten public offering on July 27, 2015 (the “Offering”). Mr. Kirk could be deemed to have indirect beneficial ownership of the shares of Common Stock directly beneficially owned by NRM VII Holdings, Kapital Joe, Mascara Kaboom and Intrexon.

Item 3. Source and Amount of Funds or Other Consideration.

Item 3 of the Original Schedule 13D is hereby amended and supplemented as follows:

On July 27, 2015, Kapital Joe utilized its working capital to purchase 582,116 shares of Common Stock in the Offering, for an aggregate purchase price of approximately \$3,376,273, or \$5.80 per share.

Also on such date, Mascara Kaboom utilized its working capital to purchase 18,003 shares of Common Stock in the Offering, for an aggregate purchase price of approximately \$104,417, or \$5.80 per share.

Also on such date, Intrexon utilized its working capital to purchase 375,868 shares of Common Stock in the Offering, for an aggregate purchase price of approximately \$2,180,034, or \$5.80 per share.

Item 4. Purpose of Transaction.

Item 4 of the Original Schedule 13D is hereby amended and supplemented as follows:

The information set forth in Items 3 and 6 is incorporated herein by reference.

Intrexon, Kapital Joe and Mascara Kaboom acquired the shares disclosed hereunder for investment purposes.

Item 5. Interest in Securities of the Issuer.

Item 5 of the Original Schedule 13D is hereby amended and restated to read in its entirety as follows:

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The information contained on the cover pages to this Statement and the information set forth or incorporated in Items 2, 3, 4 and 6 is incorporated herein by reference.

(a) and (b) See Items 11 and 13 of the cover pages to this Statement for the aggregate number of shares and percentage of issued and outstanding shares of Common Stock of the Company owned by the Reporting Persons. The percentage ownership is calculated based on 40,888,065 shares of Common Stock issued and outstanding as of May 1, 2015 as reported on the Company's Quarterly report on Form 10-Q filed with the SEC on May 8, 2015 for the period ending March 31, 2015 increased by 2,586,206 shares of Common Stock issued in connection with the Offering.

Reporting Person	Amount of Common Stock Beneficially Owned	Percent of Class		Sole Power to Vote or Direct the Vote	Shared Power to Vote or Direct the Vote	Sole Power to Dispose or to Direct the Disposition	Shared Power to Dispose or to Direct the Disposition
Randal J. Kirk <sup>(1)</sup>	16,620,414	38.2	%	10,219,631	6,400,783	10,219,631	6,400,783
Third Security, LLC <sup>(1)</sup>	10,219,631	23.5	%	10,219,631	--	10,219,631	--
NRM VII Holdings I, LLC	9,619,512	22.1	%	9,619,512	--	9,619,512	--
Intrexon Corporation	6,400,783	14.7	%	—	6,400,783	—	6,400,783

<sup>(1)</sup> Includes 582,116 shares of Common Stock held by Kapital Joe and 18,003 shares of Common Stock held by Mascara Kaboom.

Mr. Kirk could be deemed to have indirect beneficial ownership of the shares of Common Stock directly beneficially owned by NRM VII Holdings, Kapital Joe, Mascara Kaboom and Intrexon.

(c) Except as set forth in this Item 5, none of the Reporting Persons have engaged in any transactions in the Common Stock in the past 60 days.

(d)-(e) Not Applicable

Item 7. Material to be Filed as Exhibits.

Exhibit 1 Joint Filing Agreement, dated as of July 27, 2015, by and among Mr. Kirk, Third Security, NRM VII Holdings and Intrexon

SIGNATURES

After reasonable inquiry and to the best of their knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Date: July 27, 2015

/s/ Randal J. Kirk  
Randal J. Kirk

THIRD SECURITY, LLC

By: /s/ Randal J. Kirk  
Randal J. Kirk  
Manager

NRM VII HOLDINGS I,  
LLC

By: /s/ Randal J. Kirk  
Randal J. Kirk  
Manager

INTREXON  
CORPORATION

By: /s/ Randal J. Kirk  
Randal J. Kirk  
Chief Executive Officer

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EXHIBIT INDEX

Exhibit 1 Joint Filing Agreement, dated as of July 27, 2015, by and among Mr. Kirk, Third Security, NRM VII Holdings and Intrexon

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