SEC Form 4	
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### FORM 4

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL										
OMB Number: 3235-028										
Estimated average burden										
hours per response:	0.5									

			or Section 30(h) of the Investment Company Act of 1940								
1. Name and Add	1 0	Person*	2. Issuer Name and Ticker or Trading Symbol INTREXON CORP [ XON ]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
<u>KIRK RANDAL J</u>				X	Director	Х	10% Owner				
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	<b>-</b> x	Officer (give title below)		Other (specify below)				
			01/27/2015		Chief Executive Officer						
1881 GROVE	AVENUE										
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line)	vidual or Joint/Group	Filing	Check Applicable				
RADFORD	VA	24141		X	Form filed by One	Repor	ting Person				
-					Form filed by More Person	e than	One Reporting				
(City)	(State)	(Zip)									

#### 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 Disposed Of 5)	Acquired (A) or (D) (Instr. 3, 4 and		5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	01/27/2015		Р		500,000	A	\$27	6,246,167	I	by Kapital Joe <sup>(1)</sup>
Common Stock	01/27/2015		р		55,556	A	\$27	5,483,957	I	by Mascara Kaboom <sup>(1)</sup>
Common Stock								4,851,663	I	by R.J. Kirk DOT <sup>(1)</sup>
Common Stock								130,075	I	by JPK 2008 <sup>(1)</sup>
Common Stock								131,030	I	by MGK 2008 <sup>(1)</sup>
Common Stock								105,204	I	by ZSK 2008 <sup>(1)</sup>
Common Stock								1,068	I	by Lotus <sup>(1)</sup>
Common Stock								237,524	I	by Staff 2001 <sup>(1)</sup>
Common Stock								58,800	I	by Sr. Staff <sup>(1)</sup>
Common Stock								699,586	I	by JPK 2009 <sup>(2)</sup>
Common Stock								829,379	I	by MGK 2009 <sup>(2)</sup>
Common Stock								73,668	I	by ZSK 2009 <sup>(2)</sup>
Common Stock								818,461	I	by JPK 2012 <sup>(2)</sup>
Common Stock								179,199	I	by ADC 2010 <sup>(2)</sup>
Common Stock								940,426	I	by MGK 2011 <sup>(2)</sup>
Common Stock								131,081	I	by Kellie L. Banks LTT <sup>(2)</sup>
Common Stock								1,356,648	I	by Senior Staff 2008 <sup>(2)</sup>

		Tabl	e I - Non	n-Deriv	ative	Secu	rities Ac	quirec	l, Di	sposed o	f, or E	Ben	eficial	ly Own	ed			
1. Title of Security (Instr. 3)			D	2. Transaction Date Month/Day/Year)	Execu if any	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)			irities Acquired (A) or ed Of (D) (Instr. 3, 4 and			5. Amount of Securities Beneficially Owned Followi Reported		6. Ownersh Form: Direc (D) or Indire (I) (Instr. 4)	t I ct I	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
								Code	v	Amount	(A) ( (D)	or	Price	Transac (Instr. 3	tion(s)			(iiisti: <i>4)</i>
Common	Stock													1,35	6,648	I		by Staff 2010 <sup>(2)</sup>
Common	Stock													67	3,323	Ι		by Incentive 2010 <sup>(2)</sup>
Common	Stock													1,19	1,196,077			by NRM IV <sup>(2)</sup>
Common	Stock													22,6	22,636,052			by NRM V <sup>(2)</sup>
Common	Stock													13,3	40,645	I	ŀ	by NRM VI Holdings <sup>(2)</sup>
Common	Stock													243	243,001		ŀ	by NRM VII Holdings <sup>(2)</sup>
		Ta								osed of, convertib				Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	Date,	4. Transac Code (Ir 8)	tion nstr.	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Expirat (Month	ion Da		7. Title Amour Securi Underl Deriva Securi and 4)	nt of ties lying tive ty (Ir		3. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	Owne Form Ily Direct or Ind (I) (Ins	(D) irect	11. Nature of Indirect Beneficial Ownership (Instr. 4)

Explanation of Responses:

1. Randal J. Kirk controls each of Kapital Joe, LLC ("Kapital Joe"), Mascara Kaboom, LLC ("Mascara Kaboom"), R.J. Kirk Declaration of Trust ("R.J. Kirk DOT"), JPK 2008, LLC ("JPK 2008"), MGK 2008, LLC ("Mascara Kaboom"), R.J. Kirk Declaration of Trust ("R.J. Kirk DOT"), JPK 2008, LLC ("JPK 2008"), MGK 2008, LLC ("Mascara Kaboom"), R.J. Kirk Declaration of Trust ("R.J. Kirk DOT"), JPK 2008, LLC ("JPK 2008"), LLC ("Sr. Staff"). Shares held by these entities may be deemed to be beneficially owned (as defined under Rule 13d-3 promulgated under the Securities Exchange Act of 1934, as amended) by Mr. Kirk. Mr. Kirk disclaims beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

Date

Exercisable

Expiration

Date

2. Randal J. Kirk controls each of JPK 2009, LLC ("JPK 2009"), MGK 2009, LLC ("MGK 2009"), ZSK 2009, LLC ("ZSK 2009"), JPK 2012, LLC ("JPK 2012"), ADC 2010, LLC ("ADC 2010"), MGK 2011, LLC ("MGK 2011"), Kellie L. Banks (2009) Long Term Trust ("Kellie L. Banks LTT"), Third Security Senior Staff 2008 LLC ("Senior Staff 2008"), Third Security Staff 2010 LLC ("Incentive 2010"), New River Management IV, LP ("NRM IV"), New River Management V, LP ("NRM V"), NRM VI Holdings I, LLC ("NRM VI Holdings") and New River Management VII Holdings I, LLC ("NRM VII Holdings"). Shares held by these entities may be deemed to be beneficially owned (as defined under Rule 13d-3 promulgated under the Securities Exchange Act of 1934, as amended) by Mr. Kirk. Mr. Kirk disclaims beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

#### **Remarks:**

/s/ Randal J. Kirk

01/27/2015

Date

\*\* Signature of Reporting Person

Number

Shares

of

Title

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

\* 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).

Code

(A) (D)

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.