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:	3235-0287								
Estimated average b	urden								
hours per response:	05								

1. Nume and Address of Reporting reison			2. Issuer Name and Ticker or Trading Symbol INTREXON CORP [ XON ]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
<u>MINN NAN</u>	<u>DAL J</u>			X	Director	Х	10% Owner		
(Last) (First) (Middle)		(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	x	Officer (give title below)		Other (specify below)		
C/O THIRD SECURITY, LLC		× ,	05/09/2014		Chief Executive Officer				
1881 GROVE	AVENUE								
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line)	idual or Joint/Group I	iling (	Check Applicable		
RADFORD	VA	24141		X	Form filed by One	Report	ting Person		
					Form filed by More Person	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. Transa Code ( 8)		4. Securities Disposed Of 5)	Acquirec (D) (Instr	l (A) or . 3, 4 and	5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(1150.4)	
Common Stock	05/09/2014		Р		15,088	A	\$13.42	779,294	I	by MGK 2009 <sup>(1)</sup>	
Common Stock	05/12/2014		Р		18,066	A	\$15.89	797,360	I	by MGK 2009 <sup>(1)</sup>	
Common Stock	05/13/2014		Р		32,019	A	\$15.63	829,379	I	by MGK 2009 <sup>(1)</sup>	
Common Stock								243,001	I	by NRM VII Holdings <sup>(1)</sup>	
Common Stock								4,711,852	I	by R.J. Kirk DOT <sup>(1)</sup>	
Common Stock								699,586	I	by JPK 2009 <sup>(1)</sup>	
Common Stock								73,668	I	by ZSK 2009 <sup>(1)</sup>	
Common Stock								101,482	I	by JPK 2008 <sup>(1)</sup>	
Common Stock								102,437	I	MGK 2008 <sup>(1)</sup>	
Common Stock								76,611	I	ZSK 2008 <sup>(1)</sup>	
Common Stock								940,426	I	MGK 2011 <sup>(1)</sup>	
Common Stock								818,461	I	by JPK 2012 <sup>(1)</sup>	
Common Stock								131,081	I	by Kellie L Banks LTT <sup>(1)</sup>	
Common Stock								179,199	I	by ADC 2010 <sup>(1)</sup>	
Common Stock								5,746,167	I	by Kapital Joe <sup>(1)</sup>	
Common Stock								5,428,401	I	by Mascara Kaboom <sup>(1)</sup>	
Common Stock								178,724	I	by Staff 2001 <sup>(2)</sup>	

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)	Acquirec (D) (Instr	l (A) or . 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 (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(1130. 4)	
Common Stock								1,356,648	I	by Senior Staff 2008 <sup>(2)</sup>	
Common Stock								1,356,648	I	Staff 2010 <sup>(2)</sup>	
Common Stock								678,323	I	by Incentive 2010 <sup>(2)</sup>	
Common Stock								1,196,077	I	by NRM IV <sup>(2)</sup>	
Common Stock								22,636,052	I	by NRM V <sup>(2)</sup>	
Common Stock								13,340,645	I	by NRM VI Holdings <sup>(2)</sup>	
Common Stock								1,679,578	I	by NewVa <sup>(2)</sup>	
Common Stock								127,634	I	by Alana Czypinski <sup>(2)</sup>	

# 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. Transa Code ( 8)		of Deriv Secu Acqu (A) of Dispo of (D) (Instr	5. Number of Expiration Date Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			7. Title Amoun Securi Underl Deriva Securi and 4)	nt of ties ying	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Ownership Form: Direct (D)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A) (D)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

### Explanation of Responses:

1. Randal J. Kirk controls each of MGK 2009, LLC ("MGK 2009"), New River Management VII Holdings I, LLC ("NRM VII Holdings"), R.J. Kirk Declaration of Trust ("R.J. DOT"), JPK 2009, LLC ("JPK 2009"), ZSK 2009, LLC ("ZSK 2009"), JPK 2008, LLC ("JPK 2008"), MGK 2008, LLC ("MGK 2008"), ZSK 2008, LLC ("ZSK 2008"), MGK 2011, LLC ("MGK 2011"), JPK 2012, LLC ("JPK 2012"), Kellie L. Banks (2009) Long Term Trust ("Kellie L. Banks LTT"), ADC 2010, LLC ("ADC 2010"), Kapital Joe, LLC ("Kapital Joe") and Mascara Kaboom, LLC ("Mascara Kaboom"). 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.

2. Randal J. Kirk controls each of Third Security Staff 2001 LLC ("Staff 2001"), Third Security Senior Staff 2008 LLC ("Senior Staff 2008"), Third Security Staff 2010 LLC ("Staff 2010"), Third Security Incentive 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 NewVa Capital Partners, LP ("NewVa"). 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

<u>05/13/2014</u> Date

\*\* Signature of Reporting Person Da

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).

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.