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	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Instruction 1(b).	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

OMB APPROVAL

OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securitie	es Exchange Act of 1934
or Section 30(h) of the Investment Com	pany Act of 1940

1. Name and Address of Reporting Person* KIRK RANDAL J				2. Issuer Name and Ticker or Trading Symbol INTREXON CORP [XON]								elationship of Report ck all applicable) Director	X 10%	% Owner	
(Last) C/O THIRD SEC 1881 GROVE A		(Middle)			ate of Earliest Trans 07/2015	saction ((Month	n/Day/Year)			X	below)	e Othe belo ecutive Office	•	
(Street) RADFORD	VA	24141		4. If a	Amendment, Date o	of Origin	al File	ed (Month/Day	'Year)		6. Inc Line)	-	up Filing (Check one Reporting Pe fore than One R	erson	
(City)	(State)	(Zip)	D i	4:	O		. D:		D-		-:	. 0			
Table I - No.		2. Transaction Date (Month/Day/	on	Execution Date,		ction Instr.	4. Securities Acquired Disposed Of (D) (Instr. 5)		I (A) or . 3, 4 and		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common Stock			12/07/20	015		Code	v	Amount 237,525	(D) A	Price \$30	e 0.69	(Instr. 3 and 4) 6,483,692	I	by Kapital	
Common Stock												4,856,971	I	by R.J. Kirk DOT ⁽¹⁾	
Common Stock												22,637	I	by Third Security ⁽¹⁾	
Common Stock												5,483,957	I	by Mascara Kaboom ⁽¹⁾	
Common Stock												130,075	I	by JPK 2008 ⁽¹⁾	
Common Stock												131,030	I	by MGK 2008 ⁽¹⁾	
Common Stock												105,204	I	by ZSK 2008 ⁽¹⁾	
Common Stock												1,068	I	by Lotus ⁽¹⁾	
Common Stock												237,524	I	by Staff 2001 ⁽¹⁾	
Common Stock												58,800	I	by Sr. Staff ⁽¹⁾	
Common Stock												699,586	I	by JPK 2009 ⁽²⁾	
Common Stock												829,379	I	by MGK 2009 ⁽²⁾	
Common Stock												73,668	I	by ZSK 2009 ⁽²⁾	
Common Stock												818,461	I	by JPK 2012 ⁽²⁾	
Common Stock												179,199	I	by ADC 2010 ⁽²⁾	
Common Stock												940,426	I	by MGK 2011 ⁽²⁾	
Common Stock												131,081	I	by Kellie L. Banks LTT ⁽²⁾	

1. Title of Security (Instr. 3)				2. Transaction Date (Month/Day/Y		Exec if any	2A. Deemed Execution Date, if any (Month/Day/Year)	Date,	3. Transaction Code (Instr. 8)		4. Securities Disposed O 5)			Securit Benefic Owned	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) o	Price	Report Transa (Instr. 3	ction(s)		(Instr. 4)	
Common	Stock													1,3	56,648	I	by Senior Staff 2008 ⁽²⁾
Common	Stock	Stock												1,3	56,648	I	by Staff 2010 ⁽²⁾
Common	nmon Stock												67	8,323	I	by Incentive 2010 ⁽²⁾	
Common	Stock													1,1	96,077	I	by NRM IV ⁽²⁾
Common	Stock													22,6	36,052	I	by NRM V ⁽²⁾
Common	Stock													13,3	40,645	I	by NRM VI Holdings
Common	Stock													24	3,001	I	by NRM VII Holdings
		Та									osed of, convertib				I		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deer Execution	eemed 4. ution Date, Transac			5. Number of			Exerc	isable and	7. Title Amoun Securit Underly Derivat	and t of ies /ing	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported Transactie (Instr. 4)	Ownersh Form: Direct (D) or Indirect (I) (Instr.	Beneficia Ownershi t (Instr. 4)
					Code	v	(A)	(D)	Date Exercis	ablo	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

1. Randal J. Kirk controls each of Kapital Joe, LLC ("Kapital Joe"), R.J. Kirk Declaration of Trust ("R.J. Kirk DOT"), Third Security, LLC ("Third Security"), Mascara Kaboom, LLC ("Mascara Kaboom"), JPK 2008, LLC ("JPK 2008"), MGK 2008, LLC ("MGK 2008"), ZSK 2008, LLC ("ZSK 2008"), Lotus Capital (2000) Company Inc. ("Lotus"), Third Security Staff 2001 LLC ("Staff 2001"), and Third Security Senior Staff 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.

2. Randal J. Kirk controls each of JPK 2009, LLC ("JPK 20109"), MGK 2009, LLC ("MGK 2009"), 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 (2009) Long Term Trust ("Kellie L. Banks (2010"), Third Security Senior Staff 2008 LLC ("Senior Staff 2008"), Third Security 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 VII 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 12/07/2015

** Signature of Reporting Person Date

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.