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

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

5. Relationship of Reporting Person(s) to Issuer

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

2. Issuer Name **and** Ticker or Trading Symbol

1. Name and Address of Report KIRK RANDAL J	2. Issuer Name and Ticker or Trading Symbol INTREXON CORP [XON]							Cheo X	000 () ()				
(Last) (First) C/O THIRD SECURITY, 1881 GROVE AVENUE	3. Date of Earliest Transaction (Month/Day/Year) 05/17/2019								X Officer (give title Other (spec below) below) Chief Executive Officer				
(Street) RADFORD VA 24141			4. If	4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Application) X Form filed by One Reporting Person Form filed by More than One Reporting									
(City) (State)	(Zip)										Person		
	Table I - N	on-Deriva	tive	Securities Ac	quire	d, Di	sposed of,	or Be	nefici	ally	Owned		
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Yea		2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acqui Disposed Of (D) (In				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	Trompostion(s)			(111311. 4)
Common Stock		05/17/20	19		P		24,212 ⁽¹⁾	A	\$4.69) ⁽¹⁾	405,817	I	by Sr. Staff 2015 ⁽²⁾
Common Stock		05/20/20:	19		P		120,668 ⁽¹⁾	A	\$4.63	3 ⁽¹⁾	526,485	I	by Sr. Staff 2015 ⁽²⁾
Common Stock		05/21/20	19		P		24,089(1)	A	\$4.74	1 ⁽¹⁾	550,574	I	by Sr. Staff 2015 ⁽²⁾
Common Stock		05/17/20	19		P		24,212 ⁽¹⁾	A	\$4.69) (1)	405,817	I	by Staff 2015 ⁽²⁾
Common Stock		05/20/20	19		P		120,668(1)	A	\$4.63	3 (1)	526,485	I	by Staff 2015 ⁽²⁾
Common Stock		05/21/20	19		P		24,089(1)	A	\$4.74	1 ⁽¹⁾	550,574	I	by Staff 2015 ⁽²⁾
Common Stock		05/17/20	19		P		12,106 ⁽¹⁾	A	\$4.69) ⁽¹⁾	858,125	I	by Incentive 2010 ⁽²⁾
Common Stock		05/20/20	19		P		60,334 ⁽¹⁾	A	\$4.63	3 ⁽¹⁾	918,459	I	by Incentive 2010 ⁽²⁾
Common Stock		05/21/20	19		P		12,045 ⁽¹⁾	A	\$4.74	1 ⁽¹⁾	930,504	I	by Incentive 2010 ⁽²⁾
Common Stock											2,091,141	I	by Third ⁽²⁾
Common Stock											14,140,139	I	by KJ ⁽²⁾
Common Stock											8,325,000	I	by TSCP V ⁽²⁾
Common Stock											311,287	I	by Staff 2001 ⁽²⁾
Common Stock											1,403	I	by Lotus ⁽²⁾
Common Stock											19,711	I	by Inc 2006 ⁽²⁾
Common Stock											118,266	I	by Sr Staff 2006 ⁽²⁾
Common Stock											59,133	I	by Staff 2006 ⁽²⁾

1. Title of Security (Instr. 3)		Date	Transaction ate lonth/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)					Benefic	ties cially I Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
						Code V Amo		Amount	(A) or (D)	Price	Transac	action(s) 3 and 4)		(111511.4)	
Common Stock												5,48	33,957	I	by MK ⁽²⁾
Common Stock												58	3,800	I	by Sr Staff ⁽²⁾
Common Stock											21	3,805	I	by ADC 2010 ⁽²⁾	
Common Stock											1,356,648		I	by Sr Staf 2008 ⁽²⁾	
Common Stock											1,35	56,648	I	by Staff 2010 ⁽²⁾	
Common Stock											13,3	40,645	I	by VI Holdings ⁽²	
Common Stock											24.	3,001	I	by VII Holdings ⁽²	
		Та	able II - Deriva (e.g., p						osed of, convertib			y Owned		•	
Security or Exer (Instr. 3) Price o Derivat	2. Conversion or Exercise Price of Derivative Security	ercise (Month/Day/Year) if any (Code (Instr. 8) ative				Number crivative curities quired) or sposed (D) str. 3, 4 d 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)			Amount of Securities		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownersh Form: Direct (D or Indirect (I) (Instr.	Beneficial Ownership tt (Instr. 4)
											Amount or Number				

1. Third Security Senior Staff 2015 LLC ("Sr. Staff 2015"), Third Security Staff 2015 LLC ("Staff 2015"), Third Security Incentive 2010 LLC ("Incentive 2010") purchased shares at the same price per share.

(D)

Date Exercisable

/s/ Randal J. Kirk 05/21/2019

** Signature of Reporting Person

of Shares

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.

^{2.} Mr. Kirk controls each of Sr. Staff 2015, Staff 2015, Incentive 2010, Third Security, LLC ("Third"), Kapital Joe, LLC ("KJ"), Third Security Capital Partners V, LLC ("TSCP V"), Third Security Staff 2001 LLC ("Staff 2001"), Lotus Capital (2000) Company Inc. ("Lotus"), Third Security Incentive 2006 LLC ("Inc 2006"), Third Security Senior Staff 2006 LLC ("Staff 2006"), NRM VI Holdings I, LLC ("VI Holdings") and NRM VII Holdings I, LLC ("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.