FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1/h)

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 Reporting Person* KIRK RANDAL J					ssuer Name and Ti TREXON CO				(Che	ck all applicable) Director	Director X 10% Own					
(Last) (First) (Middle) C/O THIRD SECURITY, LLC 1881 GROVE AVENUE					Date of Earliest Tran 29/2016	nsactior	n (Mon	th/Day/Year)	X	Officer (give title other (specify below) below) Chief Executive Officer						
(Street) RADFORD VA 24141				4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(State)	(Zip)										r erson				
	Т	able I - I	Non-Deriva	tive	Securities A	cquire	ed, D	isposed o	f, or B	enefi	cially					
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Y		Execution Date,		action (Instr.	4. Securities Acquired Disposed Of (D) (Insti		r. 3, 4 and 5)		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)		,		
Common Stock			02/29/201	16		A		6,462(1)	A	\$30.	95 ⁽¹⁾	4,876,929	I	by R.J. Kirk DOT ⁽³⁾		
Common Stock			02/29/201	16		A		26,963(2)	A	\$29.	67 ⁽²⁾	105,150	I	by Third Security ⁽³⁾		
Common Stock												6,608,167	I	by Kapital Joe ⁽³⁾		
Common Stock												5,483,957	I	by Mascara Kaboom ⁽³⁾		
Common Stock												130,075	I	by JPK 2008 ⁽³⁾		
Common Stock												131,030	I	by MGK 2008 ⁽³⁾		
Common Stock												105,204	I	by ZSK 2008 ⁽³⁾		
Common Stock												1,068	I	by Lotus ⁽³⁾		
Common Stock												237,524	I	by Staff 2001 ⁽³⁾		
Common Stock												58,800	I	by Sr. Staff ⁽³⁾		
Common Stock												699,586	I	by JPK 2009 ⁽⁴⁾		
Common Stock												829,379	I	by MGK 2009 ⁽⁴⁾		
Common Stock												73,668	I	by ZSK 2009 ⁽⁴⁾		
Common Stock												818,461	I	by JPK 2012 ⁽⁴⁾		
Common Stock												179,199	I	by ADC 2010 ⁽⁴⁾		
Common Stock												940,426	I	by MGK 2011 ⁽⁴⁾		
Common Stock												131,081	I	by Kellie L. Banks LTT ⁽⁴⁾		

1. Title of Security (Instr. 3)			2. Da	Non-Derivation 2. Transaction Date (Month/Day/Year		2A. Deeme Execution	emed tion Dat	te,	3. Transaction Code (Instr. 8)		4. Securities Disposed Of	I (A) or	5. Amo 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	
							Ī	Code V		Amount	mount (A) or (D)			ed ction(s) 3 and 4)		(Instr. 4)	
Common	Stock													1,3	56,648	I	by Senior Staff 2008 ⁽⁴⁾
Common	Stock													1,3	56,648	I	by Staff 2010 ⁽⁴⁾
Common Stock														67	8,323	I	by Incentive 2010 ⁽⁴⁾
Common Stock													1,1	96,077	I	by NRM IV ⁽⁴⁾	
Common Stock													22,6	36,052	I	by NRM V ⁽⁴⁾	
Common Stock													13,3	340,645	I	by NRM VI Holdings ⁽⁴	
Common Stock														24	3,001	I	by NRM VII Holdings ⁽⁴
		Та									posed of, convertib			y Owned	I		
1. Title of Derivative Security (Instr. 3) 2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year) 3. Deemed Execution Date, if any (Month/Day/Year)		4. Transa Code (8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		tive ities red sed	6. Date Exer Expiration D (Month/Day/		Date	7. Title Amount Securiti Underly Derivati Security and 4)	t of ies ving	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owners Form: Direct (I or Indire (I) (Instr	Beneficial Ownership ct (Instr. 4)		
					Codo	v			Date		Expiration	Titlo	Amount or Number of				

Explanation of Responses:

1. In accordance with the Restricted Stock Unit Agreement dated November 1, 2015 between Intrexon Corporation ("Intrexon") and Randal J. Kirk (the "Agreement"), each month Mr. Kirk will receive that number of shares of Intrexon common stock, rounded down to the nearest whole share, whose fair market value equals \$200,000. The number of shares of Intrexon common stock are to become vested and payable based upon the closing price of the common stock of Intrexon on the NYSE on the last calendar day of each month (or, if such date is not a trading day, the most recent trading day prior to such date). Mr. Kirk has designated the R.J. Kirk Delaration of Trust ("R.J. Kirk DOT") to receive these shares.

Exercisable

Date

- 2. In accordance with the Services Agreement between Intrexon and Third Security, LLC ("Third Security") dated November 1, 2015 for services provided by Third Security to Intrexon, Intrexon shall pay to Third Security, on a monthly basis, such number of shares of common stock of Intrexon, rounded down to the nearest whole number, equal to a value of \$800,000. Such value shall be based upon the closing price of the common stock of Intrexon on the NYSE on the 15th calendar day of each month (or, if such date is not a trading day, the most recent trading day prior to such date).
- 3. Randal J. Kirk controls each of Third Security, Kapital Joe, LLC ("Kapital Joe"), Mascara Kaboom, LLC ("Mascara Kaboom"), R.J. Kirk DOT, 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.
- 4. 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"). 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

** Signature of Reporting Person

of Shares

03/02/2016

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).

Code

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.