FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPRO	VAL
OMB Number:	3235-0287
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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(b).

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 X					
(Last) (First) (Middle) C/O THIRD SECURITY, LLC 1881 GROVE AVENUE					Date of Earliest Tran 31/2016	nsaction	n (Mon	ith/Day/Year)	X	Delow)	e Other (specify below) ecutive Officer			
(Street) RADFORD VA 24141				4. If	f Amendment, Date	of Orig	inal Fi	iled (Month/Da		6. Ind Line)	Applicable erson eporting			
(City)	(State)	(Zip)										Person		
	Т	able I - I	1	_	Securities A	cquire	ed, D				cially			
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Ye		Execution Date,		action (Instr.	4. Securities Acquired Disposed Of (D) (Insti		tr. 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			03/31/201	16		A		5,901(1)	A	\$33.	89(1)	4,882,830	I	by R.J. Kirk DOT ⁽³⁾
Common Stock			03/31/201	16		A		23,398(2)	A	\$34.	19 ⁽²⁾	128,548	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⁾

		Tabl	e I - Non-De	rivative	Sec	urities	s Ac	quire	ed, D	isposed o	f, or B	enefici	ally Own	ed		
1. Title of Security (Instr. 3)		2. Transa Date (Month/D		2A. Deemed Execution Date, if any (Month/Day/Year)		· · /	3. Transaction Code (Instr. 8)		4. Securities Disposed Of		Benefic Owned	ies cially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
							Ī	Code	v	Amount	(A) or (D)	Price	Reporte Transa (Instr. 3	ction(s)		(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													1,19	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	ıble II - Deriv (e.a											I	•	
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	ate Execution Date, Transaction of			nber ative ities red sed 3, 4	6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and 8 Amount of Securities 5		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	Ownersh Form: Direct (D or Indire (I) (Instr.	Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exerc	cisable	Expiration Date	Title	Amount or Number of Shares				

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 Declaration of Trust ("R.J. Kirk DOT") to receive these shares.

- 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 Intexon, 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 ("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 NRM 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.

04/04/2016

** 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.