FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL
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## 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

1. Name and Address of Reporting KIRK RANDAL J		ssuer Name <b>and</b> Ti TREXON CO				Relationship of Reporting Person(s) to Issuer (Check all applicable)      X Director X 10% Owner  Officer (give title) Other (specify)							
(Last) (First) C/O THIRD SECURITY, LL 1881 GROVE AVENUE		Date of Earliest Tran 28/2017	nsaction	(Mon	nth/Day/Year)	X	below)	Other (specify below)					
(Street) RADFORD VA 24141			4. If	Amendment, Date	of Orig	inal Fi	iled (Month/Da	Line)	Individual or Joint/Group Filing (Check Applicabl Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting				
(City) (State)	(Zip)										Person		
	Table I - I	1					Disposed of, or Benefic			cially	1	C Oursenship	7. Nature of Indirect Beneficial Ownership
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Ye		2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		Disposed Of	(D) (Instr. 3, 4 an		nd 5)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	
					Code	v	Amount	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock		02/28/201	L <b>7</b>		A		33,826(1)	A	\$23	.65 <sup>(1)</sup>	451,964	I	by Third Security <sup>(3)</sup>
Common Stock		02/28/201	L7		A		8,984(2)	A	\$22	.26 <sup>(2)</sup>	5,315,645	I	by R.J. Kirk DOT <sup>(3)</sup>
Common Stock		03/02/201	L7		G		200	D	4	5 <mark>0</mark>	5,315,445	I	by R.J. Kirk DOT <sup>(3)</sup>
Common Stock											311,287	I	by Staff 2001 <sup>(3)</sup>
Common Stock											1,403	I	by Lotus <sup>(3)</sup>
Common Stock											139,052	I	by JPK 2008 <sup>(3)</sup>
Common Stock											140,007	I	by MGK 2008 <sup>(3)</sup>
Common Stock											114,181	I	by ZSK 2008 <sup>(3)</sup>
Common Stock											720,562	I	by JPK 2009 <sup>(3)</sup>
Common Stock											850,355	I	by MGK 2009 <sup>(3)</sup>
Common Stock											75,684	I	by ZSK 2009 <sup>(3)</sup>
Common Stock											843,044	I	by JPK 2012 <sup>(3)</sup>
Common Stock											135,033	I	by Kellie L. Banks LTT <sup>(3)</sup>
Common Stock											118,266	I	by Senior Staff 2006 <sup>(3)</sup>
Common Stock											59,133	I	by Staff 2006 <sup>(3)</sup>
Common Stock											19,711	I	by Incentive 2006 <sup>(3)</sup>

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 Acquir Disposed Of (D) (Ins				unt of ies cially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Indirect
									Code	v	Amount	(A) or (D)	Price	Transa (Instr. 3	ction(s)		(
Common Stock												6,6	49,997	I	by Kapital Joe <sup>(4)</sup>		
Common Stock												5,4	83,957	I	by Mascara Kaboom <sup>(4)</sup>		
Common	Stock													58	3,800	I	by Sr. Staff <sup>(4)</sup>
Common	Stock													21	3,805	I	by ADC 2010 <sup>(4)</sup>
Common	Stock													94	0,426	I	by MGK 2011 <sup>(4)</sup>
Common Stock													1,3	56,648	I	by Senior Staff 2008 <sup>(4)</sup>	
Common	Stock													1,3	56,648	I	by Staff 2010 <sup>(4)</sup>
Common Stock													67	8,323	I	by Incentive 2010 <sup>(4)</sup>	
Common Stock													22,6	36,052	I	by NRM V <sup>(4)</sup>	
Common Stock													13,3	40,645	I	by NRM VI Holdings <sup>(4</sup>	
Common Stock												243,001		I	by NRM VII Holdings <sup>(4</sup>		
		Та	able II								posed of, convertib			/ Owned		,	,
Derivative Conversion Date Execu Security or Exercise (Month/Day/Year) if any		if any	temed 4. Transactio Code (Instr 8)		action			6. Date Exer Expiration I (Month/Day/		rcisable and Date	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	erivative derivative ecurity Securities	Owner: Form: Direct or Indii (I) (Inst	D) Beneficial Ownershi ect (Instr. 4)	
					Code	v	(A)	(D)	Date Exerc	isable	Expiration Date	1 1	Amount or Number of Shares				

## Explanation of Responses:

- 1. 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 Corporation '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).
- 2. In accordance with the Restricted Stock Unit Agreement dated November 1, 2015 between Intrexon and Randal J. Kirk, 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.
- 3. Randal J. Kirk controls each of Third Security, R.J. Kirk DOT, Third Security Staff 2001 LLC ("Staff 2001"), Lotus Capital (2000) Company Inc. ("Lotus"), JPK 2008, LLC ("JPK 2008"), MGK 2008, LLC ("MGK 2008"), ZSK 2008, LLC ("ZSK 2008"), JPK 2012, LLC ("JPK 2012"), Kellie L. Banks (2009) Long Term Trust ("Kellie L. Banks LTT"), Third Security Senior Staff 2006 LLC ("Senior Staff 2006"), Third Security Staff 2006 LLC ("Staff 2006") and Third Security Incentive 2006 LLC ("Incentive 2006"). 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 Kapital Joe, LLC ("Kapital Joe"), Mascara Kaboom, LLC ("Mascara Kaboom"), Third Security Senior Staff LLC ("Sr. Staff"), ADC 2010, LLC ("ADC 2010"), MGK 2011, LLC ("MGK 2011"), 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 V, LP ("NRM VI), NRM VI Holdings") and NRM VII Holdings") and 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.

/s/ Randal J. Kirk

03/02/2017

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  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.

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