

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* <u>KIRK RANDAL J</u>  (Last) (First) (Middle) <u>C/O THIRD SECURITY, LLC</u> <u>1881 GROVE AVENUE</u>  (Street) <u>RADFORD VA 24141</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>INTREXON CORP [ XON ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <u>Chief Executive Officer</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>12/01/2015</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)  <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

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 Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	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			
Common Stock	12/01/2015		A		5,508 <sup>(1)</sup>	A	\$36.31 <sup>(1)</sup>	4,857,171	I	by R.J. Kirk DOT <sup>(3)</sup>
Common Stock	12/01/2015		G		200	D	\$0	4,856,971	I	by R.J. Kirk DOT <sup>(3)</sup>
Common Stock	12/01/2015		A		22,637 <sup>(2)</sup>	A	\$35.34 <sup>(2)</sup>	22,637	I	by Third Security <sup>(3)</sup>
Common Stock								6,246,167	I	by Kapital Joe <sup>(3)</sup>
Common Stock								5,483,957	I	by Mascara Kaboom <sup>(3)</sup>
Common Stock								130,075	I	by JPK 2008 <sup>(3)</sup>
Common Stock								131,030	I	by MGK 2008 <sup>(3)</sup>
Common Stock								105,204	I	by ZSK 2008 <sup>(3)</sup>
Common Stock								1,068	I	by Lotus <sup>(3)</sup>
Common Stock								237,524	I	by Staff 2001 <sup>(3)</sup>
Common Stock								58,800	I	by Sr. Staff <sup>(3)</sup>
Common Stock								699,586	I	by JPK 2009 <sup>(4)</sup>
Common Stock								829,379	I	by MGK 2009 <sup>(4)</sup>
Common Stock								73,668	I	by ZSK 2009 <sup>(4)</sup>
Common Stock								818,461	I	by JPK 2012 <sup>(4)</sup>
Common Stock								179,199	I	by ADC 2010 <sup>(4)</sup>
Common Stock								940,426	I	by MGK 2011 <sup>(4)</sup>

