FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPRO	VAL							
	OMB Number:	3235-0287							
l	Estimated average burden								
l	hours per response:	0.5							

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 Person* SHAPIRO ROBERT B							2. Issuer Name and Ticker or Trading Symbol INTREXON CORP [XON]								neck all	ship of Reportir applicable) irector	Person(s) to Issuer		
(Last) (First) (Middle) 20374 SENECA MEADOWS PARKWAY							3. Date of Earliest Transaction (Month/Day/Year) 01/20/2014									fficer (give title elow)	Other below	(specify)	
(Street) GERMANTOWN MD 20876 (City) (State) (Zip)						4. If Amendment, Date of Original Filed (Month/Day/Year)									ie) <mark>X</mark> F	vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person 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. Transac Date (Month/Da						ır) E	2A. Deemed Execution Date, if any (Month/Day/Year)		Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4				d Se Be Ow	Amount of curities neficially ned Following ported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
								Code	v	Amount	(A (C	() or	Price	Tra	nsaction(s) str. 3 and 4)		(Instr. 4)		
Common	Stock	/2014	2014			A		20	20 A		\$36.	82	34,104	D					
Common	Stock												80,116	I	By Trust ⁽¹⁾				
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Da if any (Month/Day/Y	Date, Transaction					6. Date E Expiratio (Month/D	n Date	•	7. Title and Amount of Securities Underlying Derivative Security (Instr and 4)			8. Price Derivativ Security (Instr. 5)	e derivative	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
	of Doggood			,	Code	v	(A)		Date Exercisal		Expiration Date	Title	or	ount nber res					

Explanation of Responses:

1. Shares held in the Robert B. Shapiro Revocable Trust.

Remarks:

/s/ Robert B. Shapiro, by Donald P. Lehr, Power of <u>Attorney</u>

01/22/2014

** Signature of Reporting Person Date

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

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.

^{*} 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).