FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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l	OMB APPROVAL											
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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 (Last) (First) (Middle) COSTA SENTICA A MEADOW CRAPKY AND ADVANCE.						2. Issuer Name and Ticker or Trading Symbol INTREXON CORP [XON] 3. Date of Earliest Transaction (Month/Day/Year) 08/13/2013								(Ched	Relationship of Reporting (Check all applicable) Director Officer (give title below)			10% Ow Other (s below)	vner	
20374 SENECA MEADOWS PARKWAY (Street) GERMANTOWN MD 20876 (City) (State) (Zip)						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Ind Line)	′					
1. Title of Security (Instr. 3) 2. Trans. Date				saction	1		3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, Code (Instr. 3)			A) or	5. Amount of 4 and 5) Securities Beneficially Owned Following			Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership					
									Code	v	Amount	(A	A) or D)	Price	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)	
Common Stock				08/13	3/13/2013				С		76,190 ⁰	1)	A	\$0	76,190				By trust ⁽⁴⁾	
Common Stock 08/13					.3/2013				С		3,926 ⁽³⁾ A		\$16	80,116		I		By trust ⁽⁴⁾		
Common Stock 08/1					3/2013				P		30,000		Α	\$16	33,847			D		
	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 D if any (Month/Day/	Date,	4. Transaction Code (Instr. 8)		n Derivative		6. Date Exercis Expiration Dat (Month/Day/Ye		te	7. Title and Am of Securities Underlying Derivative Sec (Instr. 3 and 4)		ecurity	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficia Owned Following Reported Transacti	e O ss Fe ally D or g (I)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v					Expiration Date	Title	O N O	lumber	(Instr. 4)		ion(s)			
Series E Convertible Preferred Stock	(2)	08/13/2013			С			133,334	(2)		(2) Common Stock 7		6,190	(2) 0			I	By trust ⁽⁴⁾		

Explanation of Responses:

\$16⁽³⁾

1. The indicated shares represent the number of shares received upon conversion of the Issuer's Convertible Preferred Stock, indicated by Series in Table II.

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2. Effective upon the closing of the Issuer's firm commitment underwritten initial public offering of its Common Stock, the shares of Convertible Preferred Stock automatically converted at a ratio of 1.75-to-1 into the number of shares of Common Stock shown in column 7. The shares of Convertible Preferred Stock had no expiration date.

(3)

3. Effective upon the closing of the Issuer's firm commitment underwritten initial public offering all accrued dividends with respect to the shares of Convertible Preferred Stock were converted into shares of Common Stock at the then current fair market value, or \$16.00 per share. Payment for partial shares was issued in the form of a monetary refund by the Issuer.

0(3)

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

Remarks:

Series E Convertible

Preferred

Stock

Robert B. Shapiro

Common

Stock⁽³⁾

(3)

08/15/2013

0

By trust⁽⁴⁾

I

** Signature of Reporting Person

3,926

\$16⁽³⁾

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).

08/13/2013

** 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.