FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Washington, D.C. 20040	

OMB APPROVAL

OMB Number: 3235-0287

0.5

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	Check this box if no longer subject to
١	Section 16. Form 4 or Form 5
	obligations may continue. See
	Instruction 1(b).

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

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1. Name and Address of Reporting Person* <u>Lehr Donald P.</u>						2. Issuer Name and Ticker or Trading Symbol INTREXON CORP [XON]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner						
(Last) (First) (Middle) 20374 SENECA MEADOWS PARKWAY						3. Date of Earliest Transaction (Month/Day/Year) 03/20/2014									Officer (give title below) Chief Le		Other (spelow) egal Officer		pecify		
(Street) GERMANTOWN MD 20876				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting							
(City) (State) (Zip)															Person						
		Ta	ble I - Non	າ-Deri\	vativ	ve Se	ecurities	s Ac	quired, I	Disp	osed c	f, or Be	nefici	ally	Owned						
1. Title of Security (Instr. 3) 2. Trans: Date (Month/E						2A. Deemed Execution Date if any (Month/Day/Yea		Code (Instr			rities Acquired (A) ed Of (D) (Instr. 3, 4			5. Amoun Securities Beneficial Owned Fo	i	Form	: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership			
					Amount (A) or (D)					Pric	Ce Reported Transact (Instr. 3 a		on(s) nd 4)			(Instr. 4)					
			Table II - I						uired, Di s, option						wned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Dat if any (Month/Day/Yo	ate, Ti	Code (I		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisal Expiration Date (Month/Day/Year)		of Securitie		ies g Security		8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported	e S Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)		
				С	ode	v	(A)	(D)	Date Exercisable		xpiration ate	Title	Amour or Number of Sha	er		Transactio (Instr. 4)	on(s)				
Option to Purchase Common Stock (Right to Buy)	\$30.72	03/20/2014			A		200,000		(1)	0	3/20/2024	Common Stock	200,0	000	\$0	200,00	00	D			
Option to Purchase Common Stock (Right to Buy)	\$3.29								(2)	1	0/26/2019	Common Stock	11,47	28		11,428	8	D			
Option to Purchase Common Stock (Right to	\$7.12								(3)	0	7/01/2021	Common Stock	45,7	14		45,714	4	D			

Explanation of Responses:

- $1.\ 25\%\ of\ the\ options\ vest\ on\ each\ of\ March\ 20,\ 2015,\ 2016,\ 2017\ and\ 2018.$
- 2. These options are immediately exercisable.
- 3. 22,857 options are immediately exercisable; remaining options vest annually in increments of 11,428 and 11,429 on each of July 1, 2014 and 2015, respectively

Remarks:

<u>/s/ Donald P. Lehr</u>

03/24/2014

** 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.