FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington

Wasnington, D.C. 20549	OMB APPROVAL			
STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP	OMB Number:	3235-0		

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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(h)

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* Perez Jeffrey Thomas						2. Issuer Name and Ticker or Trading Symbol INTREXON CORP [XON]										k all appli Directo	ctor		10% Ov	/ner
(Last) (First) (Middle) 20374 SENECA MEADOWS PARKWAY						3. Date of Earliest Transaction (Month/Day/Year) 12/21/2016										Officer (give title below) SVP, IF		Other (s below) P Affairs		вреспу
(Street) GERMANTOWN MD 20876				4. 11	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Indi Line) X	,					
(City)	(S	tate)	(Zip)																	
		Tab	le I - No	n-Deriv	ative	e Se	curiti	ies Ac	qu	ired, C	Disp	osed o	of, or Be	nefic	ially	Owned	t l			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)				ar) i	2A. Deemed Execution Date, if any (Month/Day/Year		Code (Instr.			4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			4 and Securiti Benefic Owned		es ally Following	Form (D) o	n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership		
										Code V		Amount (A) or (D)		r Pric	e:e	Reported Transact (Instr. 3	tion(s)			(Instr. 4)
Common Stock 12/21/2					1/201	2016			М		5,101 A		\$1	9.6	11,	11,537		D		
		1	able II -										, or Ben ble secu			wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemdexecution if any (Month/Da	Date,	Code (Ins					Date Exer Diration I Donth/Day	Date	Amount of		of s g s Securi	D S (I	Price of erivative ecurity nstr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	ve les ially ng ed ction(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Dat Exe	e ercisable		opiration	Title	Amou or Numb of Share	er					
Option to Purchase Common Stock (Right to	\$19.6	12/21/2016			М			5,101		(1)	08	8/25/2024	Common Stock	5,10	1	\$0	201,92	2	D	

Explanation of Responses:

1. The options vest in four 25% installments, beginning on the grant date of August 25, 2014.

Remarks:

/s/ Jeffrey T. Perez, by Donald P. Lehr, Power of Attorney

12/22/2016

** 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.