

**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

OMB APPROVAL	
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

<b>1. Name and Address of Reporting Person*</b> <u>Frank Steven</u> (Last) (First) (Middle) <u>20374 SENECA MEADOWS PARKWAY</u> (Street) <u>GERMANTOWN MD 20876</u> (City) (State) (Zip)	<b>2. Date of Event Requiring Statement (Month/Day/Year)</b> 08/07/2013	<b>3. Issuer Name and Ticker or Trading Symbol</b> <u>INTREXON CORP [ XON ]</u>	<b>5. If Amendment, Date of Original Filed (Month/Day/Year)</b>
		<b>4. Relationship of Reporting Person(s) to Issuer (Check all applicable)</b> <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	3,795	D	

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Option to Purchase Common Stock	(1)	02/20/2018	Common Stock 8,571	2.74	D	
Option to Purchase Common Stock	(1)	02/20/2019	Common Stock 2,857	3.29	D	
Option to Purchase Common Stock	(2)	06/30/2020	Common Stock 2,857	3.29	D	
Option to Purchase Common Stock	(3)	03/07/2021	Common Stock 2,857	5.91	D	
Option to Purchase Common Stock	(4)	12/02/2021	Common Stock 8,571	7.12	D	
Option to Purchase Common Stock	(5)	03/15/2022	Common Stock 2,857	7.12	D	
Option to Purchase Common Stock	(6)	05/28/2023	Common Stock 2,857	9.67	D	

**Explanation of Responses:**

- These options are immediately exercisable.
- 2,142 options are exercisable immediately; the remaining 715 options vest on January 1, 2014.
- 1,428 options are exercisable immediately; the remaining options vest annually in increments of 714 and 715 on each of January 1, 2014 and 2015, respectively.
- 2,142 options are exercisable immediately; the remaining options vest annually in increments of 2,143 on each of December 1, 2013, 2014 and 2015, respectively.
- 714 options are exercisable immediately; the remaining options vest annually in increments of 714, 714 and 715 on each of January 1, 2014, 2015 and 2016, respectively.
- These options vest annually in increments of 714, 714 and 715 on each of January 1, 2014, 2015, 2016 and 2017, respectively.

**Remarks:**

/s/ Steven Frank

08/07/2013

\*\* 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 5 (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.

POWER OF ATTORNEY

I, Steven Frank, do hereby constitute and appoint Donald P. Lehr and Rick L. Sterling, my true and lawful attorneys-in-fact, either of whom acting singly is hereby authorized to execute and file with the appropriate state and federal agencies all documents necessary to carry out the duties of my said attorneys-in-fact. I do hereby ratify and confirm all acts my said attorney shall do or cause to be done by virtue hereof. I acknowledge that the foregoing attorneys-in-fact, serving in the capacity of my true and lawful attorneys-in-fact, are duly qualified to execute and file with the appropriate state and federal agencies all documents necessary to carry out the duties of my said attorneys-in-fact. This power of attorney shall remain in full force and effect until it is revoked by the undersigned in a signed writing delivered to each such attorney-in-fact or their successors. WITNESS the execution hereof this 7th day of August, 2013.

/s/ Steven Frank

Steven Frank