FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
MB Number:	3235-028						
ctimated average	hurden						

0.5

hours per response:

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

INTREXON CORP

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

			0	r Sectio	n 30	(h) of	the	Investm	nent (Company Act	of 194	10							
				2. Issuer Name and Ticker or Trading Symbol Synthetic Biologics, Inc. [SYN]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)								
(Last) (First) (Middle) 09/02					. Date of Earliest Transaction (Month/Day/Year) 19/02/2015						Director X 10% Owne Officer (give Other (spe title below) below)								
L 4004 CDOVE AVENUE				4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable Line)								
(Street)	RD V	A 24	4141										Form filed by One Reporting Person X Form filed by More than One Reporting Person						
(City)	(St	ate) (Z	ip)																
		Tabl	e I - Non-Deriv	ative S	Secu	ırities	s Ac	quire	d, Di	sposed of,	or Be	enefic	iall	y Owned	d				
Date		2. Transaction Date (Month/Day/Yea			tion Date, if		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 a 5)			Securities Beneficially Owned Followi		ly ollowing	6. Owner Form: Dir (D) or Indirect ((Instr. 4)		Indir Bene Own	neficial mership	
								Code	V	Amount	(A) or (D)	Price	ice i		nsaction(s) str. 3 and 4)		4)	(Instr. 4)	
Commo	n Stock		09/02/201	5				Р		937,500(1)	A	\$3.	2	9,613,268		ı		by Intrexon ⁽²⁾	
Commo	Common Stock													3,625	5,000		I	by NRM VII Holdings ⁽³⁾	
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 Date, if any (Month/Day/Year)	4. Transa Code (I	ction	5. Num of Deriv Secu Acqu (A) o Disp of (D (Inst and	vativ ritie: rired r osed) r. 3,	6. Da Expir (Mon	te Exe	e Exercisable and attion Date th/Day/Year) Der Sect Der Sect		7. Title and Amount of Securities Underlying Derivative Security (Insti 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Num derivat Securiti Benefic Owned Followin Report Transa (Instr. 4	tive Owne ties Form: cially Direct d or Inc ing (I) (In ted		(D) irect	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exerc	cisabl	Expiration e Date	Title	Amoun or Number of Shares	er						
	and Address	of Reporting Perso	n*																
	IRD SECUI		(Middle)																
(Street)	RD	VA	24141																
(City)		(State)	(Zip)		-														
1. Name a	and Address	of Reporting Perso	n"																

(Last)	(First)	(Middle)							
C/O LEGAL DEPARTMENT									
20374 SENECA MEADOWS PARKWAY									
(Street)									
GERMANTOWN	MD	20876							
(City)	(State)	(Zip)							

Explanation of Responses:

- 1. On September 2, 2015 and pursuant to a Stock Issuance Agreement between the issuer and Intrexon Corporation ("Intrexon") dated August 10, 2015, the issuer issued 937,500 shares of its Common Stock to Intrexon in consideration for the execution and delivery of an Exclusive Channel Collaboration Agreement dated August 10, 2015 between the issuer and Intrexon.
- 2. Randal J. Kirk, directly and through certain affiliates, has voting and dispositive power over a majority of the outstanding capital stock of Intrexon. Mr. Kirk may therefore be deemed to have voting and dispositive power over the shares of the issuer owned by Intrexon. Shares held by Intrexon may be deemed to be indirectly beneficially owned (as defined under Rule 13d-3 promulgated under the Securities Exchange Act of 1934, as amended) by Mr. Kirk. Mr. Kirk disclaims beneficial ownership of such shares, except to the extent of any pecuniary interest therein.
- 3. Randal J. Kirk controls NRM VII Holdings I, LLC ("NRM VII Holdings"). Shares held by this entity may be deemed to be indirectly beneficially owned (as defined under Rule 13d-3 promulgated under the Securities Exchange Act of 1934, as amended) by Mr. Kirk. Mr. Kirk disclaims beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

Remarks:

 /s/ Randal J. Kirk
 09/04/2015

 /s/ Randal J. Kirk , CEO
 09/04/2015

 Intrexon Corporation
 09/04/2015

** 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.