FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
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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(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

1. Name and Address of Reporting Person* Riley Jeffrey Scott					2. Issuer Name and Ticker or Trading Symbol Synthetic Biologics, Inc. [SYN]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner						
(Last)	•	rst) (M	/liddle	e)	3. Date of Earliest Transaction (Month/Day/Year) 01/02/2013									X	title	er (give below) CEO and	Presio	Other (specif below) resident		
617 DETROIT STREET, SUITE 100 (Street) ANN ARBOR MI 48104					4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person						
(City)															Form filed by More than One Reportin Person				Reporting	
		Tabl	eI-	Non-Deriva	ative S	ecu	rities	s Aco	quired	, Dis	posed of,	or B	eneficia	ally C	wne	b				
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye			2A. Deemed Execution Date, i ear) any (Month/Day/Yea				3. Transaction Code (Instr. 8)		4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4			and 5) Securit Benefi Owned		ties cially d Following	6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership			
								Code	v	Amount	(A) o (D)	r Price			action(s) 3 and 4)	(Instr. 4	.)	(Instr. 4)		
Common Stock 01/02/2					13			Р		2,700	Α	\$1.7	799 2		,700	D				
Common Stock 01/03/				01/03/201	13			Р		2,800	А	\$1.7	7499		,500	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)	Exec any	Deemed cution Date, if nth/Day/Year)	I	Transaction Code (Instr. 8) Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)					7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) Amount or Number of Title Shares		Derivative deriv Security Secur (Instr. 5) Bene Owne Follov Repo		9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ow For Dir or	nership	11. Nature of Indirect Beneficial Ownership (Instr. 4)		

Explanation of Responses:

/s/ Jeffrey S. Riley

01/03/2013

** 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 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.