FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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ashington,	D.C.	20549	

OMB APPROVAL							
OMB Number: 3235-028							
Estimated average burden							
hours per response:	0.5						

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* <u>Riley Jeffrey Scott</u>					2. Issuer Name and Ticker or Trading Symbol Synthetic Biologics, Inc. [SYN]								(Check	S. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner						
(Last)	,	First)	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 04/17/2014								X	Officer (gives)		D	Other (s			
C/O SYNTHETIC BIOLOGICS, INC.,				L										CEO and President						
155 GIBBS STREET, SUITE 412				[4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv	6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street)													X	-,						
ROCKVI	LLE I	MD	20850		Form filed by More than One Repor									ting						
(City)	(State)	(Zip)																	
			Table I - No	n-Deri	vativ	e Securit	ies A	٩cqu	ıired, Dis	spos	sed of, or	r Benefici	ally Own	ed						
Date				2. Transaci Date Month/Da		Executio any	2A. Deemed Execution Date, any (Month/Day/Yea		Code (Instr.			Acquired (A f (D) (Instr. 3,		and 5) Securities Beneficially Following Re		6. Own Form: I or Indi (Instr. 4	Direct (D) I rect (I) I 4) (7. Nature of Indirect Beneficial Ownership		
									Code V	le V Amount (A) or (D)		Price	Transaction(s) (Instr. 3 and 4)				Instr. 4)			
	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)	Execution Date, if Transaction Derivative		or D)	6. Date Exercisable and Expiration Date Securities Unc (Month/Day/Year) 7. Title and An Securities Unc Derivative Sec (Instr. 3 and 4				nderlying Security	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)					
				Code	v	(A)	(D)	Date Exer	e cisable	Ex;	piration				Reporte Transaci (Instr. 4)					
Stock Options (Right to Buy)	\$2.52	04/17/2014		А		500,000 ⁽¹⁾		04/1	17/2014 ⁽¹⁾	04	1/16/2024	Common Stock	500,000	\$0	500,0	000	D			

Explanation of Responses:

1. These options will vest monthly on a pro rated basis for 36 consecutive months.

/s/ Jeffrey S. Riley 04/21/2014

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \star 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.