

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF  
SECURITIES

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

<div>1. Name and Address of Reporting Person*</div> <div><u>Sliman Joseph A.</u></div> <div>(Last) (First) (Middle)</div> <div><u>C/O SYNTHETIC BIOLOGICS, INC.,</u></div> <div><u>9605 MEDICAL CENTER DRIVE, STE. 270</u></div> <div>(Street)</div> <div><u>ROCKVILLE MD 20850</u></div> <div>(City) (State) (Zip)</div>	<div>2. Date of Event Requiring Statement (Month/Day/Year)</div> <div><u>01/17/2017</u></div>	<div>3. Issuer Name and Ticker or Trading Symbol</div> <div><u>Synthetic Biologics, Inc. [ SYN ]</u></div> <div>4. Relationship of Reporting Person(s) to Issuer (Check all applicable)</div> <div><div>Director10% Owner</div><div><input checked="" type="checkbox"/> Officer (give title below)Other (specify below)</div><div><u>CHIEF MEDICAL OFFICER</u></div></div>	<div>5. If Amendment, Date of Original Filed (Month/Day/Year)</div> <div>6. Individual or Joint/Group Filing (Check Applicable Line)</div> <div><input checked="" type="checkbox"/> Form filed by One Reporting Person</div> <div>Form filed by More than One Reporting Person</div>
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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)

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	Title	Amount or Number of Shares			
Stock Option	02/24/2014	02/23/2019	Common Stock	350,000	2.73	D	
Stock Option	12/31/2014	12/30/2024	Common Stock	30,000	1.46	D	
Stock Option	12/04/2015	12/03/2022	Common Stock	275,000	2.76	D	
Stock Option	11/30/2016	11/29/2023	Common Stock	327,800	0.8	D	

Explanation of Responses:

/s/ Joseph Sliman01/18/2017

\*\* Signature of Reporting PersonDate

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.