

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

AMENDMENT NO. 2
TO
SCHEDULE 14A INFORMATION

Proxy Statement Pursuant to Section 14(a) of the Securities
Exchange Act of 1934

Filed by the Registrant ☒

Filed by a Party other than the Registrant ☐

Check the appropriate box:

- ☐ Preliminary Proxy Statement
- ☐ Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))
- ☒ Definitive Proxy Statement
- ☐ Definitive Additional Materials
- ☐ Soliciting Material Pursuant to Section 240.14a-12

SYNTHETIC BIOLOGICS, INC.
(Name of Registrant as Specified in Its Charter)

(Name of Person(s) Filing Proxy Statement, if Other Than the Registrant)

Payment of Filing Fee (check the appropriate box):

- ☒ No fee required.
- ☐ Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.

(1) Title of each class of securities to which transaction applies:

(2) Aggregate number of securities to which transaction applies:

(3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (Set forth the amount on which the filing fee is calculated and state how it was determined):

(4) Proposed maximum aggregate value of transaction:

(5) Total fee paid:

.. Fee paid previously with preliminary materials.

.. Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

(1) Amount Previously Paid:

(2) Form, Schedule or Registration Statement No.:

(3) Filing Party:

(4) Date Filed:

Explanatory Note

This Amendment No. 2 to Schedule 14A (this "Amendment") is being filed solely to amend and replace the sample proxy card included in the Definitive Proxy Statement filed by Synthetic Biologics, Inc. (the "Company") with the Securities and Exchange Commission on August 17, 2021 (the "Proxy Statement"). After filing the Proxy Statement, the Company discovered that, due to a clerical error, an incorrect version of the sample proxy card was inadvertently filed with the Proxy Statement.

Please note that no changes have been made to the body of the Proxy Statement and that a correct version of the proxy card has been included in the Proxy Statement being mailed to the Company's stockholders. This Amendment applies only to the version of the sample proxy card originally filed with the Proxy Statement.

☐

☐