

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

May 7, 2021

Steven Shallcross Chief Executive Officer and Chief Financial Officer Synthetic Biologics, Inc. 9605 Medical Center Drive, Suite 270 Rockville, Maryland 20850

Re: Synthetic Biologics, Inc.
Registration Statement on Form S-3
Filed May 3, 2021
File No. 333-255726

Dear Mr. Shallcross:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Dillon Hagius at 202-551-7967 with any questions.

Sincerely,

Division of Corporation Finance Office of Life Sciences

cc: Leslie Marlow