

September 2, 2020

John G. McHutchison, A.O., M.D.
Chief Executive Officer
Assembly Biosciences, Inc.
331 Oyster Point Blvd., Fourth Floor
South San Francisco, CA 94080

Biosciences, Inc.
Statement on Form S-3
2020

Re: Assembly
Registration
Filed August 28,
File No. 333-248469

Dear Dr. McHutchison:

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 Ada D. Sarmiento at 202-551-3798 with any questions.

Sincerely,

Division of Corporation Finance
Office of Life Sciences

cc:
Esq.

P. Michelle Gasaway,