

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

March 22, 2022

John Celebi President and Chief Executive Officer Sensei Biotherapeutics, Inc. 451 D Street, Suite 710 Boston, Massachusetts 02210

> Re: Sensei Biotherapeutics, Inc. Registration Statement on Form S-3 Filed March 15, 2022 File No. 333-263567

Dear Mr. Celebi:

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 Michael Davis at 202-551-4385 or Celeste Murphy at 202-551-3257 with any questions.

Sincerely,

Division of Corporation Finance Office of Life Sciences

cc: Mark Ballantyne