

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

October 22, 2021

René Russo, Pharm.D. Chief Executive Officer Xilio Therapeutics, Inc. 828 Winter Street Waltham, MA 02451

Re: Xilio Therapeutics, Inc.

Registration Statement on Form S-1

Exhibit Nos. 10.11 – 10.13 Filed October 1, 2021 File No. 333-259973

Dear Dr. Russo:

We have concluded our assessment of your redacted exhibits for compliance with applicable form requirements and will process your supplemental response and related materials in accordance with your request.

Sincerely,

Division of Corporation Finance