



DIVISION OF
CORPORATION FINANCE

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

May 18, 2023

Ross Muken
Chief Financial Officer
SOPHiA GENETICS SA
185 Dartmouth Street Floor 5
Boston, MA 02116

Re: SOPHiA GENETICS SA
Form 20-F for the Fiscal Year Ended December 31, 2022
Filed March 7, 2023
File No. 001-40627

Dear Ross Muken:

We have completed our review of your filing. 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.

Sincerely,

Division of Corporation Finance
Office of Life Sciences