

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

September 25, 2024

Kristen Fortney, Ph.D. Chief Executive Officer BioAge Labs, Inc. 1445A South 50th Street Richmond, California 94804

Re: BioAge Labs, Inc.

Amendment No. 2 to Registration Statement on Form S-1

Exhibit Nos. 10.7 and 10.8 Filed September 25, 2024 File No. 333-281901

Dear Kristen Fortney, Ph.D.:

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 Office of Life Sciences