

September 1, 2023

Jeffrey S. Hackman
Chief Executive Officer
Comera Life Sciences Holdings, Inc.
12 Gill Street, Suite 4650
Woburn, MA 01801

Sciences Holdings, Inc.
Statement on Form S-3
2023

Re: Comera Life
Registration
Filed August 29,
File No. 333-274253

Dear Jeffrey S. Hackman:

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.

Howes at 202-551-3370 with any questions.

Please contact Tyler

Sincerely,

Division of Corporation Finance
Office of Life Sciences

cc:
Esq.

Ryan M. Rourke Reed,