



DIVISION OF  
CORPORATION FINANCE

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

September 1, 2023

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

**Re: Comera Life Sciences Holdings, Inc.**  
**Registration Statement on Form S-3**  
**Filed August 29, 2023**  
**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.

Please contact Tyler Howes at 202-551-3370 with any questions.

Sincerely,

Division of Corporation Finance  
Office of Life Sciences

cc: Ryan M. Rourke Reed, Esq.