

**Comera Life Sciences Holdings, Inc.**

12 Gill Street  
Suite 4650  
Woburn, Massachusetts 01801  
Tel: (617) 871-2101

June 22, 2022

VIA EDGAR

U.S. Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549  
Attention: Alan Campbell

Re: Comera Life Sciences Holdings, Inc.  
Registration Statement on Form S-1  
File No. 333-264686

Dear Mr. Campbell:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, the registrant Comera Life Sciences Holdings, Inc. hereby requests acceleration of effectiveness of the above-referenced Registration Statement so that it will become effective at 4:00 p.m. ET on Friday, June 24, 2022, or as soon as practicable thereafter.

Very truly yours,

COMERA LIFE SCIENCES HOLDINGS, INC.



---

Jeffrey S. Hackman  
Chief Executive Officer

cc: Loeb & Loeb LLP

- Mitchell S. Nussbaum, Esq.
- Janeane R. Ferrari, Esq.