

July 27, 2021

Via EDGAR Transmission

United States Securities and Exchange Commission
Division of Corporation Finance
100 F Street, N.E.
Mail Stop 4720
Washington, D.C. 20549
Attention: Jane Park

**Re: Omega Therapeutics, Inc.
Registration Statement on Form S-1
Filed July 9, 2021
Registration No. 333-257794**

Dear Ms. Park:

In accordance with Rule 461 of Regulation C of the General Rules and Regulations under the Securities Act of 1933, as amended, we hereby request the acceleration of the effective date of the above-referenced Registration Statement so that it will become effective on July 29, 2021, at 4:00 p.m., Eastern Time, or as soon thereafter as practicable, or at such later time as Omega Therapeutics, Inc. (the "Company") or its counsel may request via telephone call to the staff. Please contact Wesley Holmes of Latham & Watkins LLP, counsel to the Company, at (617) 948-6027, or in his absence, Jennifer Yoon at (617) 880-4540, to provide notice of effectiveness, or if you have any other questions or concerns regarding this matter.

Sincerely yours,

Omega Therapeutics, Inc.

By: /s/ Mahesh Karande

Mahesh Karande

President and Chief Executive Officer

cc: Wesley Holmes, Esq.
Peter Handrinos, Esq.