

Biomea Fusion, Inc.
1599 Industrial Road
San Carlos, CA 94070

August 13, 2025

VIA EDGAR

Securities and Exchange Commission
Division of Corporation Finance – Office of Life Sciences
100 F Street, N.E.
Washington, D.C. 20549

Re: Biomea Fusion, Inc.
Registration Statement on Form S-3
File No. 333-289262
Request for Acceleration

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Biomea Fusion, Inc. hereby requests acceleration of the effective date of its Registration Statement on Form S-3 (File No. 333-289262) (the “Registration Statement”), so that it may become effective at 4:01 pm Eastern time on August 15, 2025, or as soon thereafter as practicable.

Very truly yours,

BIOMEA FUSION, INC.

By: /s/ Michael J.M. Hitchcock, Ph.D.

Name: Michael J.M. Hitchcock, Ph.D.

Title: Interim Chief Executive Officer and Director

Cc: Maggie Wong, Goodwin Procter LLP
Alicia Tschirhart, Goodwin Procter LLP