

August 12, 2025

Dr. Michael J.M. Hitchcock
Interim Chief Executive Officer and Director
Biomea Fusion, Inc.
1599 Industrial Road
San Carlos, CA 94070

Re: Biomea Fusion, Inc.
Registration Statement on Form S-3
Filed August 5, 2025
File No. 333-289262

Dear Dr. Michael J.M. Hitchcock:

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 Daniel Crawford at 202-551-7767 with any questions.

Sincerely,

Division of

Office of Life

Corporation Finance

Sciences

cc: Alicia M. Tschirhart, Esq.