

**FIBROBIOLOGICS, INC.**  
455 E. Medical Center Blvd.  
Suite 300  
Houston, Texas 77598

February 6, 2025

**VIA EDGAR**

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

Attention: Joshua Gorsky

**RE: FibroBiologics, Inc. (the "Company")**  
**Registration Statement on Form S-3**  
**File No. 333- 284663**

Dear Mr. Gorsky:

Pursuant to Rule 461(a) under the Securities Act of 1933, as amended, the Company hereby respectfully requests that the effective date of the Company's Registration Statement on Form S-3 (File No. 333-284663) be accelerated by the Securities and Exchange Commission to 4:00 p.m. Washington D.C. time on February 10, 2025, or as soon as practicable thereafter, unless the Company notifies you otherwise prior to such time.

We request that we be notified of such effectiveness by a telephone call to Jeremy Cleveland at 650.687.4173 or Malory Thelen at 214.969.4826 of Jones Day, and that such effectiveness also be confirmed in writing.

Very truly yours,

FibroBiologics, Inc.

By: /s/ Ruben A. Garcia

Name: Ruben A. Garcia

Title: General Counsel

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