

bioAffinity Technologies, Inc.
3300 Nacogdoches Road, Suite 216
San Antonio, Texas 78217
(210) 698-5334

September 24, 2025

VIA EDGAR

United States Securities and Exchange Commission
100 F Street, N.E.
Washington, D.C. 20549
Attention: Margaret Sawicki

Re: bioAffinity Technologies, Inc.
Registration Statement on Form S-1
Filed September 24, 2025
File No. 333-290480

Ladies and Gentlemen:

Pursuant to Rule 461 of the General Rules and Regulations under the Securities Act of 1933, as amended (the “Act”), bioAffinity Technologies, Inc. (the “Company”) respectfully requests that the effective date of the registration statement referred to above be accelerated so that it will become effective at 4:30 p.m., Eastern Time, on Thursday, September 25, 2025, or as soon thereafter as possible.

Please notify Sean F. Reid of Sheppard Mullin Richter & Hampton LLP, counsel to the Company, at (212) 896-0610 as soon as possible as to the time the Registration Statement has been declared effective pursuant to this acceleration request.

Very truly yours,

BIOAFFINITY TECHNOLOGIES, INC.

By: /s/ Maria Zannes
Name: Maria Zannes
Title: Chief Executive Officer
