



May 2, 2025

VIA EDGAR

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

**Re: bioAffinity Technologies, Inc.
Registration Statement on Form S-1
Filed May 2, 2025
File No: 333-286921**

Dear Ms. Sawicki:

bioAffinity Technologies, Inc. (the “**Registrant**”) hereby requests that the effective date of the above-referenced Registration Statement on Form S-1 (File No. 333-286921), be accelerated by the U.S. Securities and Exchange Commission (the “**Commission**”) to become effective on **Monday, May 5, 2025, at 5:00 p.m.**, Eastern Time, or as soon as reasonably practicable thereafter.

The Registrant understands that the Staff of the Commission will consider this request as confirmation by the Registrant that it is aware of its responsibilities under the federal securities laws as they relate to the issuance of the securities covered by the Registration Statement.

The Registrant hereby authorizes Leslie Marlow of Blank Rome LLP to orally modify or withdraw this request for acceleration. Please contact Ms. Marlow at (516) 457-4238 with any questions you may have concerning this request, and please notify Ms. Marlow when this request for acceleration has been granted.

Very truly yours,

BIOAFFINITY TECHNOLOGIES, INC.

By: /s/ Maria Zannes

Name: Maria Zannes

Title: Chief Executive Officer

cc: Leslie Marlow, Blank Rome LLP
