UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **February 17, 2026**

bioAffinity Technologies, Inc.
(Exact name of registrant as specified in its charter)

Delaware	**001-41463**	**46-5211056**
(State or other jurisdiction of incorporation)	(Commission File Number)	(I.R.S. Employer Identification Number)

3300 Nacogdoches Road, Suite 216
San Antonio, Texas 78217
(Address of principal executive offices, including zip code)

(210) 698-5334
(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e- 4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Title of each class	Trading Symbols	Name of each exchange on which registered
Common Stock, par value $0.007 per share	BIAF	The Nasdaq Stock Market LLC (Nasdaq Capital Market)
Warrants to purchase Common Stock	BIAFW	The Nasdaq Stock Market LLC (Nasdaq Capital Market)

Indicate by check mark whether the registrant is an emerging growth company as defined in in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company ☒

If an emerging growth company, indicate by checkmark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Item 8.01. Other Events.

On February 17, 2026, bioAffinity Technologies, Inc., a Delaware corporation, issued a press release announcing the release of a new clinical case study demonstrating how CyPath® Lung supported clinical decision making in a high-risk patient with multiple pulmonary nodules.

A copy of the press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

Exhibit Number	Description
99.1	Press Release issued by bioAffinity Technologies, Inc., dated February 17, 2026
104	Cover Page Interactive Data File (embedded within the XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this Current Report on Form 8-K to be signed on its behalf by the undersigned hereunto duly authorized.

Date: February 17, 2026

BIOAFFINITY TECHNOLOGIES, INC.

By: */s/ Maria Zannes*
Name: Maria Zannes
Title: President and Chief Executive Officer

Exhibit 99.1

News Release

Clinical Utility of bioAffinity Technologies' CyPath® Lung Test Demonstrated in Real-World Case Study

Noninvasive CyPath® Lung test has shown 92% sensitivity, 87% specificity and 88% accuracy for detecting lung cancer in small nodules less than 2 centimeters

Case study highlights how CyPath® Lung reduces patient anxiety and supports physician confidence in assessment of benign pulmonary nodules

SAN ANTONIO, TX – February 17, 2026 – bioAffinity Technologies, Inc. (Nasdaq: BIAF; BIAFW), a biotechnology company advancing noninvasive diagnostics for lung cancer and other lung diseases, today announced a new clinical case study demonstrating how CyPath® Lung, its noninvasive diagnostic test for lung cancer, supported clinical decision-making in a high-risk patient with multiple pulmonary nodules.

The 59-year-old patient had a 30-year, three packs per day smoking history and underlying chronic obstructive pulmonary disease (COPD). Imaging revealed multiple scattered pulmonary nodules measuring between 3–7 mm and categorized as Lung-RADS 3 on the Lung Imaging Reporting and Data System (Lung-RADS), indicating a probably benign condition.

"Determining appropriate care for a patient with multiple nodules and a significant smoking history is often complicated by patient anxiety and concern about an ongoing risk of malignancy," said Daya Nadarajah, MD, the patient's pulmonologist. "Follow-up can be problematic without the additional diagnostic information provided by CyPath® Lung. A negative CyPath® Lung result helps reassure both physician and patient that an early cancer is unlikely to have been missed."

Dr. Nadarajah ordered a CyPath® Lung test for his patient, which returned a negative result of "unlikely malignancy." The CyPath® Lung score gave both physician and patient additional confidence to continue a serial six-month CT surveillance schedule, consistent with Lung-RADS 3 recommendations. In a follow-up CT scan, the sub-centimeter nodules remained stable.

"Patients with multiple small nodules and many years of tobacco use often face months of uncertainty and fear," said Gordon Downie, MD, PhD, bioAffinity Technologies Chief Medical Officer. "CyPath® Lung provides physicians with additional, objective information that helps stratify risk and supports confident clinical decision-making while maintaining appropriate vigilance for patients at high risk for lung cancer."

Supporting Confident, Noninvasive Management

This case illustrates the benefit of using CyPath® Lung as an adjunctive diagnostic tool for managing indeterminate pulmonary nodules – particularly in high-risk smokers – by:

- Supporting evidence-based surveillance decisions
- Reinforcing guideline-consistent follow-up intervals
- Potentially reducing invasive procedures on benign nodules
- Helping alleviate patient anxiety

About CyPath® Lung

CyPath® Lung by bioAffinity Technologies is a noninvasive test designed to improve the early detection of lung cancer in patients at high risk for the disease. CyPath® Lung uses advanced flow cytometry and proprietary artificial intelligence (AI) to identify cell populations in patient sputum that indicate malignancy. CyPath® Lung incorporates a fluorescent porphyrin that is preferentially taken up by cancer and cancer-related cells. Clinical study results demonstrated 92% sensitivity, 87% specificity and 88% accuracy in detecting lung cancer in patients at high risk for the disease who had small indeterminate lung nodules less than 20 millimeters.

About bioAffinity Technologies, Inc.

bioAffinity Technologies, Inc. addresses the need for noninvasive diagnosis of early-stage cancer and other diseases of the lung and broad-spectrum cancer treatments. The Company's first product, CyPath® Lung, is a noninvasive test that has shown high sensitivity, specificity and accuracy for the detection of early-stage lung cancer. CyPath® Lung is marketed as a Laboratory Developed Test (LDT) by Precision Pathology Laboratory Services, a subsidiary of bioAffinity Technologies. For more information, visit www.bioaffinitytech.com.

Forward-Looking Statements

Certain statements in this press release constitute "forward-looking statements" within the meaning of the federal securities laws. Words such as "may," "might," "will," "should," "believe," "expect," "anticipate," "estimate," "continue," "predict," "forecast," "project," "plan," "intend" or similar expressions, or statements regarding intent, belief, or current expectations, are forward-looking statements. These forward-looking statements are subject to various risks and uncertainties, many of which are difficult to predict, that could cause actual results to differ materially from current expectations and assumptions from those set forth or implied by any forward-looking statements. Important factors that could cause actual results to differ materially from current expectations include, among others, the ability of CyPath® Lung to indicate a high probability of lung cancer, CyPath® Lung providing confidence in a proposed course of action for high-risk patients when multiple pulmonary nodules are present, the ability of CyPath® Lung to determine if cancer is present or if the patient is cancer-free, and the other factors discussed in the Company's Annual Report on Form 10-K for the year ended December 31, 2024, and its subsequent filings with the SEC, including subsequent periodic reports on Forms 10-Q and 8-K. Such forward-looking statements are based on facts and conditions as they exist at the time such statements are made and predictions as to future facts and conditions. While the Company believes these forward-looking statements are reasonable, readers of this press release are cautioned not to place undue reliance on any forward-looking statements. The information in this release is provided only as of the date of this release, and the Company does not undertake any obligation to update any forward-looking statement relating to matters discussed in this press release, except as may be required by applicable securities laws.

Contact

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