

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

bioAffinity Technologies, Inc.

(Name of Issuer)

Common Stock, par value \$0.007 per share

(Title of Class of Securities)

09076W109

(CUSIP Number)

05/07/2025

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

☐ Rule 13d-1(b)

☒ Rule 13d-1(c)

☐ Rule 13d-1(d)

SCHEDULE 13G

CUSIP No. 09076W109

1	Names of Reporting Persons Richard K. Crumly
2	Check the appropriate box if a member of a Group (see instructions) <input type="checkbox"/> (a) <input type="checkbox"/> (b)
3	Sec Use Only
4	Citizenship or Place of Organization UNITED STATES

Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 2,803,750.00
	6	Shared Voting Power 410,027.00
	7	Sole Dispositive Power 2,803,750.00
	8	Shared Dispositive Power 410,027.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person 3,213,777.00	
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) <input type="checkbox"/>	
11	Percent of class represented by amount in row (9) 11.2 %	
12	Type of Reporting Person (See Instructions) IN	

SCHEDULE 13G

CUSIP No.	09076W109
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1	Names of Reporting Persons ADAMAS LLC	
2	Check the appropriate box if a member of a Group (see instructions) <input type="checkbox"/> (a) <input type="checkbox"/> (b)	
3	Sec Use Only	
4	Citizenship or Place of Organization WYOMING	
Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 400,027.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 400,027.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person 400,027.00	
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) <input type="checkbox"/>	

11	Percent of class represented by amount in row (9) 0.1 %
12	Type of Reporting Person (See Instructions) OO

SCHEDULE 13G

CUSIP No.	09076W109
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1	Names of Reporting Persons BMUS PARTNERS LLC	
2	Check the appropriate box if a member of a Group (see instructions) <input type="checkbox"/> (a) <input type="checkbox"/> (b)	
3	Sec Use Only	
4	Citizenship or Place of Organization WYOMING	
Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 10,000.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 10,000.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person 10,000.00	
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) <input type="checkbox"/>	
11	Percent of class represented by amount in row (9) 0.0 %	
12	Type of Reporting Person (See Instructions) OO	

SCHEDULE 13G

Item 1.

(a) Name of issuer:

bioAffinity Technologies, Inc.

(b) Address of issuer's principal executive offices:

3300 Nacogdoches Road, Suite 216, San Antonio, TX, 78217

Item 2.

(a) Name of person filing:

This Schedule 13G is jointly filed by each of the entities below (collectively, the "Reporting Persons"):

Richard K. Crumly ("Mr. Crumly"); ADAMAS LLC; and BMUS PARTNERS LLC

The Reporting Persons have entered into a Joint Filing Agreement, dated May 14, 2025, a copy of which is attached as Exhibit 99.1 to this Schedule 13G, pursuant to which the Reporting Persons agreed to file this Schedule 13G and any amendments thereto jointly in accordance with the provisions of Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended.

(b) Address or principal business office or, if none, residence:

The address of the principal business office of each of the Reporting Persons is P.O. Box 460633, San Antonio, Texas 78246-0633.

(c) Citizenship:

Row 4 of each Reporting Person's cover page to this Schedule 13G sets forth such Reporting Person's citizenship or place of organization and is incorporated by reference.

(d) Title of class of securities:

Common Stock, par value \$0.007 per share

(e) CUSIP No.:

09076W109

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- ☐ **(a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);**
- ☐ **(b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);**
- ☐ **(c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);**
- ☐ **(d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);**
- ☐ **(e) An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);**
- ☐ **(f) An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);**
- ☐ **(g) A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);**
- ☐ **(h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);**
- ☐ **(i) A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);**
- ☐ **(j) A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:**
- ☐ **(k) Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).**

Item 4. Ownership

(a) Amount beneficially owned:

The Reporting Persons collectively beneficially own 3,213,777 shares of Common Stock of the Issuer. Row 9 of each Reporting Person's cover page to this Schedule 13G sets forth the aggregate number of shares of Common Stock of the Issuer beneficially owned by such Reporting Person and is incorporated by reference. Row 9 of Mr. Crumly's cover page includes 1,406,250 warrants ("Warrants"), which represent a contingent right to acquire 1,406,250 shares of Common Stock of the Issuer upon the immediate exercise of such Warrants. Row 9 of Mr. Crumly's cover page also includes (a) 400,027 shares of Common Stock beneficially owned by ADAMAS LLC, of which Mr. Crumly is a control person and (b) 10,000 shares of Common Stock beneficially owned by BMUS PARTNERS LLC, of which Mr. Crumly is a control person.

(b) Percent of class:

The Reporting Persons collectively beneficially own 11.2% of the outstanding shares of Common Stock of the Issuer. Row 11 of each Reporting Person's cover page to this Schedule 13G sets forth the percentage of shares of Common Stock of the Issuer beneficially owned by such Reporting Person and is incorporated by reference. All such percentages are based on 27,249,462 shares of common stock outstanding as of May 8, 2025, as reported by Issuer in its Current Report on Form 8-K filed with the Securities and Exchange Commission on May 8, 2025. %

(c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote:

Row 5 of each Reporting Person's cover page to this Schedule 13G sets forth the sole power to vote or to direct the vote of Common Stock beneficially owned by such Reporting Person and is incorporated by reference.

(ii) Shared power to vote or to direct the vote:

Row 6 of each Reporting Person's cover page to this Schedule 13G sets forth the shared power to vote or to direct the vote of Common Stock beneficially owned by such Reporting Person and is incorporated by reference.

(iii) Sole power to dispose or to direct the disposition of:

Row 7 of each Reporting Person's cover page to this Schedule 13G sets forth the sole power to dispose or to direct the disposition of Common Stock beneficially owned by such Reporting Person and is incorporated by reference.

(iv) Shared power to dispose or to direct the disposition of:

Row 8 of each Reporting Person's cover page to this Schedule 13G sets forth the shared power to dispose or to direct the disposition of Common Stock beneficially owned by such Reporting Person and is incorporated by reference.

Item 5. Ownership of 5 Percent or Less of a Class.

Item 6. Ownership of more than 5 Percent on Behalf of Another Person.

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not Applicable

Item 8. Identification and Classification of Members of the Group.

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

Item 10. Certifications:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under ?? 240.14a-11.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Richard K. Crumly

Signature: /s/ Richard K. Crumly

Name/Title: Richard K. Crumly

Date: 05/14/2025

ADAMAS LLC

Signature: /s/ Richard K. Crumly

Name/Title: Richard K. Crumly/Managing Member

Date: 05/14/2025

BMUS PARTNERS LLC

Signature: /s/ Richard K. Crumly
Name/Title: Richard K. Crumly/Managing Member
Date: 05/14/2025

Exhibit Information

Joint Filing Agreement, Exhibit 99.1

JOINT FILING AGREEMENT

Pursuant to Rule 13d-1(k)(1) promulgated under the Securities Exchange Act of 1934, as amended, the undersigned agree that the Statement on Schedule 13G to which this exhibit is attached, and any amendments thereto (including amendments on Schedule 13D), is filed on behalf of each of them.

Reporting Person/Group Name:	Richard K. Crumly	
<u>/s/ Richard K. Crumly</u>	Richard K. Crumly	05-14-2025
Signature	Name/Title	Date
Reporting Person/Group Name:	ADAMAS LLC	
<u>/s/ Richard K. Crumly</u>	Richard K. Crumly/Managing Member	05-14-2025
Signature	Name/Title	Date
Reporting Person/Group Name:	BMUS PARTNERS LLC	
<u>/s/ Richard K. Crumly</u>	Richard K. Crumly/Managing Member	05-14-2025
Signature	Name/Title	Date
