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): October 4, 2021

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

Delaware	**001-38659**	**26-4333375**
(State or other jurisdiction of incorporation)	(Commission File Number)	(IRS Employer Identification No.)

55 Greens Farms Road **Westport, Connecticut**	**06880**
(Address of principal executive offices)	(Zip Code)

(203) 409-5444
(Registrant's telephone number, including area code)

54 Wilton Road, 2nd Floor
Westport, Connecticut
(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:

☐ 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))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of exchange on which registered
Common Stock, par value $0.001 per share	BSGM	The NASDAQ Capital Market

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).

Emerging growth company ☐

If an emerging growth company, indicate by check mark 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 7.01 Regulation FD Disclosure.

On October 4, 2021, BioSig Technologies, Inc. (the "Company") issued a press release, attached hereto as Exhibit 99.1, announcing that an article titled, "Evaluation of a novel cardiac signal processing system for electrophysiology procedures: the PURE EP 2.0 study" has been published in the Journal of Cardiovascular Electrophysiology and is available electronically with open access as of September 23, 2021, via the Wiley Online Library. The Company undertakes no obligation to update, supplement or amend the materials attached hereto as Exhibit 99.1.

In accordance with General Instruction B.2 of Form 8-K, the information in this Item 7.01 of this Current Report on Form 8-K, including Exhibit 99.1, shall not be deemed "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "***Exchange Act***"), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Exchange Act or the Securities Act of 1933, as amended, except as shall be expressly set forth by reference in such a filing. Furthermore, the furnishing of information under Item 7.01 of this Current Report on Form 8-K is not intended to constitute a determination by the Company that the information contained herein, including the exhibits hereto, is material or that the dissemination of such information is required by Regulation FD.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number	Description
99.1	Press Release, dated October 4, 2021 (furnished herewith pursuant to Item 7.01)
104	Cover Page Interactive Data File (formatted as Inline XBRL)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

BIOSIG TECHNOLOGIES, INC.

Date: October 4, 2021

By: /s/ Kenneth L. Londoner
Name: Kenneth L. Londoner
Title: Executive Chairman

Exhibit 99.1

Clinical Data Acquired by the PURE EP™ System Published in the Journal of Cardiac Electrophysiology
The PURE EP™ System is validated in multi-center study as superior to conventional sources of intracardiac signals

Westport, CT, October 4, 2021 -- BioSig Technologies, Inc. (NASDAQ: BSGM) ("BioSig" or the "Company"), a medical technology company developing a proprietary biomedical signal processing platform designed to improve signal fidelity and uncover the full range of ECG and intra-cardiac signals, today announced that an article titled, *"Evaluation of a novel cardiac signal processing system for electrophysiology procedures: the PURE EP 2.0 study"* has been published in the Journal of Cardiovascular Electrophysiology and is available electronically with open access as of September 23, 2021, via the Wiley Online Library.

The PURE EP 2.0 study was conducted at three U.S. hospitals: Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Mayo Clinic Jacksonville, and Massachusetts General Hospital.

The manuscript is co-authored by Amin Al-Ahmad, M.D., FHRS, Bradley Knight, M.D., FHRS, Wendy Tzou, M.D., FHRS, Robert Schaller, D.O., FHRS, Omar Yasin, M.D, Deepak Padmanabhan, M.D., Jason Zagrodsky, M.D., FHRS, Mohammed Bassiouny, M.D., J David Burkhardt, M.D., FHRS, Joseph Gallinghouse Jr., M.D., FHRS, Moussa Mansour, M.D., FHRS, Christopher McLeod, MBChB, Ph.D., FHRS and Andrea Natale, M.D., FHRS, the Principal Investigator of the study. The independent, blinded reviewers were Bradley P. Knight, M.D. (Northwestern University), Wendy Tzou, M.D. (University of Colorado), and Robert Schaller, M.D. (University of Pennsylvania).

Intracardiac signal data of clinical interest were collected during 51 cardiac ablation procedures using the PURE EP™ System, the signal recording system, and the 3D mapping system at the same time stamps. The samples were randomized and subjected to blinded, head-to-head evaluation by three independent electrophysiologists to determine the overall quality and clinical utility of PURE EP™ signals when compared to conventional sources. Each reviewer responded to the same (235) signal comparisons using a 10-point rating scale.

Results showed 93% consensus across the blinded reviewers with a 75% overall improvement in intracardiac signal quality and confidence in interpreting PURE EP signals over the signals from conventional sources.

Further analysis of the responses from the blinded reviewers showed an 83% (p-value <0.001) improved confidence when interpreting complex multi-component signals, leading to a better understanding of the catheter position in relation to the ablation target. Additionally, there was a 73% (p-value <0.001) improved visualization of small, fractionated potentials increasing the proper analysis of scar and abnormal conduction tissue characteristics.

"In order for any new medical technology to be widely adopted and accepted, strong, prospective clinical study results are necessary. The results from the PURE EP 2.0 study clearly validate the clinical importance of our technology and position the Company for continued growth and success. We are grateful for the many physician investigators and research staff who participated in this study and look forward to continuing our clinical work to advance the field of electrophysiology and bioelectronic medicine," commented Kenneth L. Londoner, Chairman, and CEO of BioSig Technologies, Inc.

To date, over 60 physicians have completed over 1400 patient cases with the PURE EP™ System across thirteen clinical sites.

About BioSig Technologies
BioSig Technologies is a medical technology company commercializing a proprietary biomedical signal processing platform designed to improve signal fidelity and uncover the full range of ECG and intra-cardiac signals (www.biosig.com).

The Company's first product, PURE EP (tm) System is a computerized system intended for acquiring, digitizing, amplifying, filtering, measuring and calculating, displaying, recording and storing of electrocardiographic and intracardiac signals for patients undergoing electrophysiology (EP) procedures in an EP laboratory.

Forward-looking Statements

This press release contains "forward-looking statements." Such statements may be preceded by the words "intends," "may," "will," "plans," "expects," "anticipates," "projects," "predicts," "estimates," "aims," "believes," "hopes," "potential" or similar words. Forward- looking statements are not guarantees of future performance, are based on certain assumptions and are subject to various known and unknown risks and uncertainties, many of which are beyond the Company's control, and cannot be predicted or quantified and consequently, actual results may differ materially from those expressed or implied by such forward-looking statements. Such risks and uncertainties include, without limitation, risks and uncertainties associated with (i) the geographic, social and economic impact of COVID-19 on our ability to conduct our business and raise capital in the future when needed, (ii) our inability to manufacture our products and product candidates on a commercial scale on our own, or in collaboration with third parties; (iii) difficulties in obtaining financing on commercially reasonable terms; (iv) changes in the size and nature of our competition; (v) loss of one or more key executives or scientists; and (vi) difficulties in securing regulatory approval to market our products and product candidates. More detailed information about the Company and the risk factors that may affect the realization of forward-looking statements is set forth in the Company's filings with the Securities and Exchange Commission (SEC), including the Company's Annual Report on Form 10-K and its Quarterly Reports on Form 10-Q. Investors and security holders are urged to read these documents free of charge on the SEC's website at http://www.sec.gov. The Company assumes no obligation to publicly update or revise its forward-looking statements as a result of new information, future events or otherwise.

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