



## New Evidence Supports the Value of Elutia's Antibiotic-Eluting Platform for Implantable Devices

July 1, 2025

— *The EluPro BioEnvelope findings demonstrate the bioactive properties and superior healing response compared to synthetic materials for cardiac implantable electronic devices (CIEDs)* —

GAITHERSBURG, Md., July 01, 2025 (GLOBE NEWSWIRE) -- Elutia Inc. (Nasdaq: ELUT) ("Elutia" or the "Company"), a pioneer in drug-eluting biomatrix technologies, today announced the publication of a new study describing the bioinductive effects of its antibiotic-eluting CIED biologic envelope in the [Journal of Functional Biomaterials](#). Researchers from the Department of Cardiac Sciences at the Cumming School of Medicine found that the biomatrix in EluPro controlled inflammation and supported vascularization, key to a healthy device pocket with less scarring and risk of infection.

Formation of a fibrotic capsule and bacterial colonization are known precursors to pocket infection, which can compromise both near-term procedural success and long-term pocket health following CIED implantation. The preclinical study demonstrated that EluPro stimulates early proangiogenic signals and reduced fibrosis over time.

"What's compelling is that we're seeing not just a signal, but a clear biological effect," said Dr. Paul W.M. Fedak, a professor and cardiac surgeon-scientist, and Director, Libin Cardiovascular Institute, Cumming School of Medicine, University of Calgary. "The EluPro BioEnvelope initiates early proangiogenic signaling that promotes vascularization and healthier tissue integration — while simultaneously reducing fibrosis over time. This dual regenerative and protective response represents a meaningful step forward in improving outcomes for patients with implantable cardiac devices."

In mechanistic studies, fibroblasts, cells critical for tissue repair and healing, released significantly higher levels of growth and wound healing factors in the biomatrix environment compared to controls ( $p < 0.001$ ). These effects were further supported by long-term animal studies, where the biomatrix promoted blood vessel formation (angiogenesis) and reduced inflammation and scarring over a 26-week period. In contrast, synthetic polymer materials exhibited persistent inflammation and fibrosis.

"These findings support the potential of our proprietary drug-eluting biomaterial platform to address the root causes of implant-related complications," said Michelle LeRoux Williams, Ph.D., Elutia's Chief Scientific Officer. "EluPro supports healthy, non-pathologic healing and delivers targeted antibiotic protection. We're committed to expanding this platform to other high-impact indications where patients can benefit from more active, biologic solutions."

EluPro, the first and only FDA-cleared antibiotic-eluting bioenvelope designed for use with CIEDs and neurostimulators, was [commercially launched in the United States in January 2025](#).

To learn more, visit [www.elutia.com/products/elupro/](http://www.elutia.com/products/elupro/).

### About Elutia

Elutia develops and commercializes drug-eluting biomatrix products to improve compatibility between medical devices and the patients who need them. With a growing population in need of implantable technologies, Elutia's mission is humanizing medicine so patients can thrive without compromise. For more information, visit [www.Elutia.com](http://www.Elutia.com).

### Forward Looking Statements

This press release contains "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements can be identified by words such as "projects," "may," "will," "could," "would," "should," "believes," "expects," "anticipates," "estimates," "intends," "plans," "potential," "promise" or similar references to future periods. All statements contained in this press release that do not relate to matters of historical fact should be considered forward-looking statements. Forward-looking statements contained in this press release include, without limitation, any statements we make regarding the future success of EluPro and the potential of Elutia's proprietary drug-eluting biomaterial platform, including expectations regarding surgeon and patient confidence in choosing such products. These forward-looking statements are based on our management's beliefs and assumptions and on information currently available to us. Such beliefs and assumptions may or may not prove to be correct. Additionally, such forward-looking statements are subject to a number of known and unknown risks, uncertainties and other important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied in the forward-looking statements, including, but not limited to the following: the risk that clinical research data may not match preclinical study data; our ability to successfully commercialize, market and sell our EluPro product; our ability to continue as a going concern; our ability to achieve or sustain profitability; the risk of product liability claims and our ability to obtain or maintain adequate product liability insurance; our ability to defend against the various lawsuits and claims related to our recalled FiberCel and other viable bone matrix products and avoid a material adverse financial consequence from those lawsuits and claims; our ability to prevail in lawsuits and claims seeking indemnity, contribution and insurance coverage for FiberCel and other viable bone matrix product liabilities; the continued and future acceptance of our products by the medical community; our ability to enhance our products, expand our product indications and develop, acquire and commercialize additional product offerings; our dependence on our commercial partners and independent sales agents to generate a substantial portion of our net sales; our dependence on a limited number of third-party suppliers and manufacturers, which, in certain cases are exclusive suppliers for products essential to our business; our ability to successfully realize the anticipated benefits of the sale of our Orthobiologics business; physician awareness of the distinctive characteristics, benefits, safety, clinical efficacy and cost-effectiveness of our products; our ability to compete against other companies, most of which have longer operating histories, more established products and/or greater resources than we do; pricing pressure as a result of cost-containment efforts of our customers, purchasing groups, third-party payors and governmental organizations could adversely affect our sales and profitability; our ability to obtain regulatory approval or other marketing authorizations by the FDA and comparable foreign authorities for our products and product candidates; our ability to obtain, maintain and adequately protect our intellectual property rights; and

other important factors which can be found in the "Risk Factors" section of Elutia's public filings with the Securities and Exchange Commission ("SEC"), including Elutia's Annual Report on Form 10-K for the year ended December 31, 2024, as such factors may be updated from time to time in Elutia's other filings with the SEC, accessible on the SEC's website at [www.sec.gov](http://www.sec.gov) and the Investor Relations page of Elutia's website at <https://investors.elutia.com>. Because forward-looking statements are inherently subject to risks and uncertainties, you should not rely on these forward-looking statements as predictions of future events. Any forward-looking statement made by Elutia in this press release is based only on information currently available and speaks only as of the date on which it is made. Except as required by applicable law, Elutia expressly disclaims any obligations to publicly update any forward-looking statements, whether written or oral, that may be made from time to time, whether as a result of new information, future developments or otherwise.

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