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

**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES  
EXCHANGE ACT OF 1934**

**For the month of September 2023**

Commission File Number: **001-39950**

**Evaxion Biotech**  
(Translation of registrant's name into English)

**Dr. Neergaards Vej 5f**  
**DK-2970 Hoersholm**  
**Denmark**  
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.  
Form 20-F  Form 40-F

**INCORPORATION BY REFERENCE**

This report on Form 6-K shall be deemed to be incorporated by reference in Evaxion Biotech A/S's registration statements on Form S-8 (File No. 333-255064), on Form F-3 (File No. 333-265132) and on Form F-1 (File No. 333-266050), including any prospectuses forming a part of such registration statements and to be a part thereof from the date on which this report is filed, to the extent not superseded by documents or reports subsequently filed or furnished.

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On September 11, 2023, the Registrant issued a press release, a copy of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

[\(c\) Exhibit 99.1. Press release dated September 11, 2023](#)

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## SIGNATURES

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

Evaxion Biotech  
(Registrant)

Date: September 11, 2023

/s/ Sabine Mølleskov  
Sabine Mølleskov  
VP Investor Relations

## **Revolutionizing Vaccine Discovery: New Data Validates Evaxion AI Platform, Offering Promise to Reduce Risk and Cost in Infectious Disease Vaccine Development**

- Evaxion is the first organization to validate an AI model that outcompetes state-of-the-art vaccine development
- Evaxion's AI model predicts vaccine efficacy in infectious disease models
- These results mean using EDEN™ will allow for a faster, cheaper, and lower-risk vaccine development compared to current approaches

COPENHAGEN, Denmark, Sept. 11, 2023 (GLOBE NEWSWIRE) -- Evaxion Biotech A/S (NASDAQ: EVAX) ("Evaxion" or the "Company"), a clinical-stage biotechnology company specializing in the development of AI-powered immunotherapies, has achieved a groundbreaking milestone in vaccine discovery with the validation of its AI-powered vaccine discovery platform, EDEN™. Data will be shared at the Vaccines Europe conference in Berlin, Germany, taking place from September 14th to 15th.

Evaxion's newly appointed CEO, Christian Kanstrup, commented, "These exciting results highlight the unique ability of our AI platforms to quickly generate novel targets. This acceleration in vaccine development not only reduces costs but also minimizes risks, particularly impacting areas with high unmet medical needs lacking existing vaccines. We are truly excited about this opportunity to make a significant difference in the fight against the growing challenge of bacterial diseases. I look forward to discussing these groundbreaking findings with potential partners."

"We are thrilled to present clear evidence validating EDEN™'s ability to select immunologically relevant vaccine targets in a completely automated and unbiased fashion. Through proteome-wide AI predictions, this tool not only identifies protective proteins but also predicts the protection level each offers," remarked Founder and Chief AI Officer Andreas Holm Mattsson.

Andreas Holm Mattsson concluded, "Evaxion thus becomes the first organization to identify and design bacterial vaccine antigens solely through computational methods, outcompeting reverse vaccinology approaches. We believe this heralds a paradigm shift in vaccine discovery."

The talk titled "Novel AI-Powered Vaccine Target Discovery Platforms for Bacterial & Viral Infectious Diseases" will be featured at Vaccines Europe 2023, showcasing compelling data affirming EDEN™ capabilities through multiple bacterial pathogens and preclinical infection models. Notably, the antigens predicted by EDEN™ to offer the highest level of protection are those found to perform best in preclinical infection models, confirming their potential as vaccine components. This correlation between AI prediction and in vivo protection has been established for multiple bacterial pathogens for which human vaccines are currently unavailable.

### **About EDEN™**

EDEN™ is a proprietary AI platform capable of rapidly identifying those antigens that will trigger a robust and highly protective immune response against virtually any bacterial infectious disease. EDEN™ is fully AI-driven and designed to identify vaccine candidates faster and cheaper than current state-of-the-art methods. With EDEN™, we take a novel approach to vaccine development to combat the rising global issue of antibiotic resistance. For more information, visit our website.

### **About EVAXION**

Evaxion Biotech A/S is a clinical-stage biotech company developing world-leading AI platforms. Evaxion's proprietary and scalable technologies harness the power of AI to decode the human immune system and develop novel immunotherapies for cancer, bacterial, and viral diseases. The company is committed to transforming patients' lives with unmet clinical needs by providing innovative and targeted treatment options. For more information about Evaxion and its groundbreaking immunotherapies, please visit [www.evaxion-biotech.com](http://www.evaxion-biotech.com).

### **Forward-looking statement**

This announcement 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. The words "target," "believe," "expect," "hope," "aim," "intend," "may," "might," "anticipate," "contemplate," "continue," "estimate," "plan," "potential," "predict," "project," "will," "can have," "likely," "should," "would," "could," and other words and terms of similar meaning identify forward-looking statements. Actual results may differ materially from those indicated by such forward-looking statements as a result of various factors, including, but not limited to, risks related to: our financial condition and need for additional capital; our development work; cost and success of our product development activities and preclinical and clinical trials; commercializing any approved pharmaceutical product developed using our AI platform technology, including the rate and degree of market acceptance of our product candidates; our dependence on third parties including for conduct of clinical testing and product manufacture; our inability to enter into partnerships; government regulation; protection of our intellectual property rights; employee matters and managing growth; our ADSs and ordinary shares, the impact of international economic, political, legal, compliance, social and business factors, including inflation, and the effects on our business from the worldwide COVID-19 pandemic and the ongoing conflict in the region surrounding Ukraine and Russia; and other uncertainties affecting our business operations and financial

condition. For a further discussion of these risks, please refer to the risk factors included in our most recent Annual Report on Form 20-F and other filings with the U.S. Securities and Exchange Commission (SEC), which are available at [www.sec.gov](http://www.sec.gov). We do not assume any obligation to update any forward-looking statements except as required by law.

Contact information

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Source: Evaxion Biotech