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): May 13, 2025

Editas Medicine, Inc.

(Exact Name of Registrant as Specified in its Charter)

Delaware	**001-37687**	**46-4097528**
(State or Other Jurisdiction of Incorporation)	(Commission File Number)	(IRS Employer Identification No.)

11 Hurley Street

Cambridge, Massachusetts	**02141**
(Address of Principal Executive Offices)	(Zip Code)

Registrant's telephone number, including area code: **(617) 401-9000**

(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))

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

Title of each class	**Trading Symbol(s)**	**Name of each exchange on which registered**
Common Stock, $0.0001 par value per share	EDIT	The Nasdaq Stock Market LLC

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 May 13, 2025, Editas Medicine, Inc. (the "Company") issued a press releases titled "Editas Medicine Reports New *In Vivo* Proof of Concept Data in an Undisclosed Liver Target at the American Society of Gene and Cell Therapy Annual Meeting," a copy of which is furnished as Exhibit 99.1 hereto.

The information in this Item 7.01, including Exhibit 99.1 attached hereto, is intended to be furnished and shall not be deemed "filed" for 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 Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such filing.

Item 8.01 Other Events.

On May 13, 2025, the Company announced *in vivo* proof of concept data for an undisclosed liver target. An *in vivo* editing strategy using lipid nanoparticles ("LNPs") with CRISPR/Cas RNA cargo was employed for an undisclosed liver target gene. The strategy mimics a naturally occurring, protective variant, resulting in upregulation of the target gene. This resulted in meaningful reduction in the clinically relevant disease-specific biomarker in mice. Key findings included that an *in vivo* dose-response study in a disease-specific mouse model utilizing LNPs to deliver CRISPR/Cas-based cargo demonstrated maximal liver editing of the target gene (~70%) and resulted in robust target protein upregulation with >80% disease biomarker reduction and that editing and subsequent upregulated expression of the target gene in cynomolgus monkey hepatocytes treated with CRISPR/Cas-based editing cargo also achieved >50% target gene editing and >15-fold protein upregulation.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.	Description
99.1	Press release issued by the Company on May 13, 2025*
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

* This exhibit shall be deemed to be furnished and not filed.

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.

EDITAS MEDICINE, INC.

Date: May 13, 2025

By: /s/ Amy Parison
Amy Parison
Chief Financial Officer

Editas Medicine Reports New *In Vivo* Proof of Concept Data in an Undisclosed Liver Target at the American Society of Gene and Cell Therapy Annual Meeting

In vivo *CRISPR Editing Results in Functional Upregulation of a Liver Target Protein and Meaningful Reduction of Disease-Associated Biomarker in Mice*

CAMBRIDGE, Mass., May 13, 2025 – Editas Medicine, Inc. (Nasdaq: EDIT), a pioneering gene editing company, today shared *in vivo* proof of concept data supporting the development of a potentially first-in-class treatment for an undisclosed liver target in a poster presentation at the 28th Annual Meeting of the American Society of Gene and Cell Therapy (ASGCT) in New Orleans. Editas scientists will present the data in a poster session on Wednesday, May 14, 2025, 5:30 p.m. – 7:00 p.m. CT (6:30 p.m. – 8:00 p.m. ET).

An *in vivo* editing strategy using lipid nanoparticles (LNPs) with CRISPR/Cas RNA cargo was employed for an undisclosed liver target gene. The strategy mimics a naturally occurring, protective variant, resulting in upregulation of the target gene. This resulted in meaningful reduction in the clinically relevant disease-specific biomarker in mice.

Key findings include:

- An *in vivo* dose-response study in a disease-specific mouse model utilizing LNPs to deliver CRISPR/Cas-based cargo demonstrated maximal liver editing of the target gene (~70%) and resulted in robust target protein upregulation with >80% disease biomarker reduction.
- Editing and subsequent upregulated expression of the target gene in cynomolgus monkey hepatocytes treated with CRISPR/Cas-based editing cargo also achieved >50% target gene editing and >15-fold protein upregulation.

“This *in vivo* proof of concept data in an undisclosed liver disease target confirms our ability to achieve maximal target gene editing within hepatocytes and clinically meaningful reduction in disease biomarkers. We believe this therapeutic approach will be transformative in the future treatment of this disease,” said Linda C. Burkly, Ph.D., Executive Vice President and Chief Scientific Officer, Editas Medicine. “We are making significant progress towards the clinic and look forward to sharing the disease target and our development candidate later this year.”

Additional data on the undisclosed liver target will be shared in an oral presentation on May 21 at TIDES USA 2025: Oligonucleotide & Peptide Therapeutics Conference in San Diego.

Poster Presentation Details:
Title: *In Vivo* CRISPR Editing of Genetic Regulatory Regions Results in Functional Upregulation of Target Protein and Meaningful Reduction of Disease-Associated Biomarker in Mice
Session Date and Time: Wednesday, May 14, 2025, 5:30 p.m. – 7:00 p.m. CT
Session Title: Wednesday Poster Reception
Presentation Room: Poster Hall, Hall 12
Final Abstract Number: AMA351

Additional Editas Medicine presentations are below. Abstracts can be accessed on the ASGCT website, and the presentations will be posted on the Editas Medicine website during the conference.

Oral Presentation:
Title: *In Vivo* Delivery of HBG1/2 Promoter Editing Cargo to HSC of Humanized Mouse and Non-Human Primate with Lipid Nanoparticles
Session Date and Time: Wednesday, May 14, 2025, 1:30 p.m. – 1:45 p.m. CT
Session Title: Translational Applications of Base and Prime Editors
Room: 265-268
Final Abstract Number: AMA353

Poster Presentations:
Title: Design and Development of Improved LNP Targeting Ligands for *In Vivo* Hematopoietic Stem Cell Editing
Session Date and Time: Tuesday, May 13, 2025, 6:00 p.m. – 7:30 p.m. CT
Session Title: Tuesday Poster Reception
Presentation Room: Poster Hall, Hall 12
Final Abstract Number: AMA245
Title: Design of Chemically Modified AsCas12a Guide RNAs for Increased Potency of LNP-Delivered Gene Editing Cargos
Session Date and Time: Tuesday, May 13, 2025, 6:00 p.m. – 7:30 p.m. CT
Session Title: Tuesday Poster Reception
Presentation Room: Poster Hall, Hall 12
Final Abstract Number: AMA420

Title: *In Vivo* Gene Editing and Disease-Associated Biomarker Reduction for Multiple Liver Targets in Non-human Primate Using AsCas12a Nuclease Delivered by LNP
Session Date and Time: Wednesday, May 14, 2025, 5:30 p.m. – 7:00 p.m. CT
Session Title: Wednesday Poster Reception

Presentation Room: Poster Hall, Hall 12
Final Abstract Number: AMA640

About Editas Medicine

As a pioneering gene editing company, Editas Medicine is focused on translating the power and potential of the CRISPR/Cas12a and CRISPR/Cas9 genome editing systems into a robust pipeline of *in vivo* medicines for people living with serious diseases around the world. Editas Medicine aims to discover, develop, manufacture, and commercialize transformative, durable, precision *in vivo* gene editing medicines for a broad class of diseases. Editas Medicine is the exclusive licensee of Broad Institute's Cas12a patent estate and Broad Institute and Harvard University's Cas9 patent estates for human medicines. For the latest information and scientific presentations, please visit www.editasmedicine.com.

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