



## Sangamo Therapeutics Presents Next-Generation Modular Integrase Technology Engineered to Enable Large-Scale Genome Editing

May 9, 2024

RICHMOND, Calif.--(BUSINESS WIRE)--May 9, 2024-- Sangamo Therapeutics, Inc. (Nasdaq: SGMO), a genomic medicines company, today presented pre-clinical data showcasing its novel next-generation integrase technology engineered to enable large-scale genome editing. Building on Sangamo's deep expertise in protein-DNA interactions derived from its zinc finger platform, the Modular Integrase (MINT) platform is a versatile, protein-guided genome editing method designed to integrate large sequences of DNA into the genome to potentially treat – with a single medicine – patients who have unique mutations in the same gene.

"Precisely integrating large DNA constructs into desirable chromosomal sites has traditionally been challenging for the field. We are excited that our new MINT platform potentially addresses this long-standing problem and would allow us to pursue new indications by inserting or replacing entire genes," said Greg Davis, Ph.D., Head of Technology at Sangamo. "Using compact, protein-guided integrases built from Bxb1 variants as a means of targeted integration expands our genome editing abilities and capitalizes on the strength of Sangamo's structural protein-DNA engineering capabilities to deliver potential genomic medicines to the patients who need them most."

The MINT platform utilizes Bxb1, a serine recombinase, to integrate large sequences of DNA into the genome and is intended to avoid double stranded DNA breaks as well as the need for assistance from ancillary genome editing or DNA-repair modulating cargo. This flexible approach is cell-type agnostic, has been engineered to be simpler to manufacture than most other targeted integration technologies and is compatible with adeno-associated virus (AAV), lentiviral and lipid nanoparticle (LNP) delivery. With minimal dependence on cell DNA repair machinery, we believe the MINT platform carries a reduced translocation risk and our pre-clinical data have demonstrated high levels of on-target integration in certain locations.

Based on these initial findings, we believe the MINT platform could be deployed internally for neurology-focused indications, and could provide potential new collaboration opportunities, both for human disease and in agricultural biotech settings.

Oral and poster presentations from Sebastian Arangundy and Friedrich Fauser will highlight pre-clinical MINT data at the 27<sup>th</sup> American Society of Gene & Cell Therapy (ASGCT) Annual Meeting being held May 7-11, 2024, in Baltimore, MD, and will also be available on Sangamo's website on the dedicated [ASGCT 2024 presentations](#) page. Additionally, the publication of a manuscript in *bioRxiv* by Jeff Miller and team, titled "Systematic Development of Reprogrammed Modular Integrases Enables Precise Genomic Integration of Large DNA Sequences," further detailing the discovery and potential of the MINT platform, is available on the [Publications](#) page of Sangamo's website.

### About Sangamo Therapeutics

Sangamo Therapeutics is a genomic medicine company dedicated to translating ground-breaking science into medicines that transform the lives of patients and families afflicted with serious neurological diseases who do not have adequate or any treatment options. Sangamo believes that its zinc finger epigenetic regulators are ideally suited to potentially address devastating neurological disorders and that its capsid discovery platform can expand delivery beyond currently available intrathecal delivery capsids, including in the central nervous system. Sangamo's pipeline also includes multiple partnered programs and programs with opportunities for partnership and investment. To learn more, visit [www.sangamo.com](http://www.sangamo.com) and connect with us on [LinkedIn](#) and [Twitter/X](#).

### Forward-Looking Statements

*This press release contains forward-looking statements based on Sangamo's current expectations. These forward-looking statements include, without limitation, statements relating to Sangamo's technologies, the presentation of pre-clinical data and the potential of these technologies to result in the development of medicines which demonstrate therapeutic benefit and transform the lives of patients. These statements are not guarantees of future performance and are subject to certain risks and uncertainties that are difficult to predict. Factors that could cause actual results to differ include, but are not limited to, the research and development process, including the results of clinical trials; the regulatory approval process for product candidates; and the potential for technological developments that obviate technologies used by Sangamo. Actual results may differ from those projected in forward-looking statements due to risks and uncertainties that exist in Sangamo's operations and business. These risks and uncertainties are described more fully in our Securities and Exchange Commission filings and reports, including in our Annual Report on Form 10-K for the year ended December 31, 2023, as supplemented by Sangamo's Quarterly Report on Form 10-Q for the quarter ended March 31, 2024. Forward-looking statements contained in this announcement are made as of this date, and Sangamo undertakes no duty to update such information except as required under applicable law.*

View source version on [businesswire.com](https://www.businesswire.com/news/home/20240509715519/en/): <https://www.businesswire.com/news/home/20240509715519/en/>

Investor Relations & Media Inquiries

Louise Wilkie

[ir@sangamo.com](mailto:ir@sangamo.com)

[media@sangamo.com](mailto:media@sangamo.com)

Source: Sangamo Therapeutics, Inc.