Omega Therapeutics to Present Multiple Posters Highlighting Versatile Platform Capabilities at Upcoming Scientific Meetings

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CAMBRIDGE, Mass., Oct. 15, 2024 (GLOBE NEWSWIRE) -- Omega Therapeutics, Inc. (Nasdaq: OMGA) ("Omega"), a clinical-stage biotechnology company pioneering the development of a new class of programmable epigenomic mRNA medicines, today announced it will share new preclinical data at three upcoming scientific meetings.

"These preclinical results build upon the foundation of data we have shared to date and expand our confidence in the ability of epigenomic controllers to upregulate or downregulate the expression of one or more genes," said Mahesh Karande, President and Chief Executive Officer of Omega Therapeutics. "More broadly, we believe these upcoming presentations further demonstrate the power of the OMEGA platform to prospectively engineer novel therapeutic candidates to regulate gene expression with high specificity and the potential of precision epigenomic control to offer new treatment strategies for diverse indications."

Details for the upcoming presentations are as follows:

Poster at the Society for Immunotherapy of Cancer (SITC) 39th Annual Meeting taking place in Houston, TX, November 8 – 10
Title: Controlled Epigenetic Upregulation of CXCL9 and CXCL10 in Hepatocellular Carcinoma Promotes T-cell Recruitment
Abstract Number: 1360
Session Date and Time: Saturday, November 9, 2024, from 12:15 to 1:45 p.m. CST

Poster and Flash Talk at the 12th International mRNA Health Conference taking place in Boston, MA, November 12 – 14
Title: Programmable Epigenomic mRNA Therapeutics Enable Multi-Gene Up or Down Tuning of α-globin via Regulatory Element Targeting: A Precision Approach for β- and α-Thalassemia Treatment
Paper Number: 102
E-Poster Session Date and Time: Tuesday, November 12, 2024, beginning at 9:00 a.m. EST
Flash Talk Session Date and Time: Tuesday, November 12, 2024, from 4:00 to 5:00 p.m. EST

Poster at the American Association for the Study of Liver Diseases' (AASLD) 75 th Annual The Liver Meeting® taking place in San Diego, CA, November 15 – 19
Title: Durable Upregulation of P1-isoform Hepatocyte Nuclear Factor 4 alpha (HNF4α) Using Novel Epigenomic Controllers
Publication Number: 3228
Session Title: MASLD/MASH - Therapeutics: New Agents
Session Date and Time: Sunday, November 17, 2024, from 8:00 a.m. to 5 p.m. PST

The posters will be made available on the Omega website at https://omegatherapeutics.com/science/publications/ at the same time as the respective presentations.

About Omega Therapeutics

Omega Therapeutics is a clinical-stage biotechnology company pioneering the development of a new class of programmable epigenomic mRNA medicines to treat or cure a broad range of diseases. By pre-transcriptionally modulating gene expression, Omega's approach enables precision epigenomic control of nearly all human genes, including historically undruggable and difficult-to-treat targets, without altering native nucleic acid sequences. Founded in 2017 by Flagship Pioneering following breakthrough research by world-renowned experts in the field of epigenetics, Omega is led by a seasoned and accomplished leadership team with a track record of innovation and operational excellence. The Company is committed to revolutionizing genomic medicine and has a pipeline of therapeutic candidates derived from its OMEGA platform spanning oncology, regenerative medicine, and multigenic diseases including inflammatory and cardiometabolic conditions.

For more information, visit omegatherapeutics.com, or follow us on X and LinkedIn.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements contained in this press release that do not relate to matters of historical fact should be considered forward-looking statements, including, without limitation, statements regarding our expectations surrounding the broad potential of precision epigenomic control, the versatile capabilities of the OMEGA platform, the potential of the Company's pipeline of therapeutic candidates, and the Company's participation in upcoming events and presentations. These statements are neither promises nor guarantees, but involve 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 by the forward-looking statements, including, but not limited to, the following: the novel technology on which our product candidates are based makes it difficult to predict the time and cost of preclinical and clinical development and subsequently obtaining regulatory approval, if at all; the substantial development and regulatory risks associated with epigenomic controllers due to the novel and unprecedented nature of this new category of medicines; our limited operating history; the incurrence of significant losses and the fact that we expect to continue to incur significant additional losses for the foreseeable future; our need for substantial additional financing; volatility in capital markets and general economic conditions; our investments in research and development efforts that further enhance the OMEGA platform, and their impact on our results; uncertainty regarding preclinical development, especially for a new class of medicines such as epigenomic controllers; potential delays in and unforeseen costs arising from our clinical trials; the fact that our product candidates may be associated with serious adverse events, undesirable side effects or have other properties that could halt their regulatory development, prevent their regulatory approval, limit their commercial potential, or result in significant negative consequences; difficulties manufacturing the novel technology on which our epigenomic controller candidates are based; our ability to adapt to rapid and significant technological change; our reliance on third parties for the manufacture of materials; our ability to successfully

acquire and establish our own manufacturing facilities and infrastructure; our reliance on a limited number of suppliers for lipid excipients used in our product candidates; our ability to advance our product candidates to clinical development; and our ability to obtain, maintain, enforce and adequately protect our intellectual property rights. These and other important factors discussed under the caption “Risk Factors” in our Quarterly Report on Form 10-Q for the quarter ended June 30, 2024, and our other filings with the SEC, could cause actual results to differ materially from those indicated by the forward-looking statements made in this press release. Any such forward-looking statements represent management's estimates as of the date of this press release. While we may elect to update such forward-looking statements at some point in the future, we disclaim any obligation to do so, even if subsequent events cause our views to change.

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