



## Altimune Presents New Data on the Effect of Pemvidutide on Inflammatory Lipids in Subjects with Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD) at The Liver Meeting® 2024

November 15, 2024 at 11:00 AM EST

*Weekly subcutaneous doses of pemvidutide resulted in robust reductions in cardio-inflammatory, hepato-inflammatory and atherosclerotic lipids*

*Findings support the potential benefit of pemvidutide on co-morbidities of metabolic dysfunction-associated steatohepatitis (MASH), including atherosclerosis, heart disease and metabolic syndrome*

*Pemvidutide is currently being evaluated in IMPACT, the Phase 2b trial in subjects with MASH; data readout expected in Q2 2025*

GAITHERSBURG, Md., Nov. 15, 2024 (GLOBE NEWSWIRE) -- [Altimune, Inc.](#) (Nasdaq: ALT), a clinical-stage biopharmaceutical company, today presented new data from its 12-week Phase 1b trial of pemvidutide in metabolic dysfunction-associated steatotic liver disease (MASLD) at The Liver Meeting® of the American Association for the Study of Liver Diseases. The data showed reductions in multiple classes of inflammatory lipid species associated with adverse cardiovascular outcomes. Pemvidutide is a balanced GLP-1/glucagon dual receptor agonist in development for the treatment of MASH and obesity.

The new data were derived from an analysis of plasma samples from subjects who completed a randomized placebo-controlled Phase 1b trial of pemvidutide in subjects with overweight or obesity and MASLD. In the Phase 1b clinical trial, 94 subjects with obesity or overweight and liver fat content (LFC)  $\geq 10\%$  were dosed 1:1:1 to pemvidutide (1.2mg, 1.8mg and 2.4mg) or placebo administered once-weekly subcutaneously for 12 weeks. In this study, pemvidutide reduced LFC relative to baseline by up to 68.5% and decreased total cholesterol and triglycerides by up to 12.2% and 44.6%, respectively, after 12 weeks of treatment.

The goal of the study was to characterize changes in the lipid profile of patients before and after treatment with pemvidutide. In this study of 50 subjects, treatment with pemvidutide was shown to reduce plasma concentrations of atherogenic lipoproteins and lipotoxic lipid classes associated with MASH and implicated in cardiovascular and atherosclerotic disease. In particular, a rapid and significant reduction in small atherogenic LDL particles was observed in the 1.8 mg and 2.4 mg dose groups compared to placebo.

"Cardiovascular events, as opposed to liver-specific events, are the primary co-morbidities associated with MASH, and there is a growing unmet need for a therapy that can not only reduce the inflammation and fibrosis of MASH, but also address key drivers of the longer-term outcomes of the disease," said Mazen Nouredin, M.D., MHS Director, Cedars-Sinai Medical Center Fatty Liver Program.

Dr. Vipin Garg, CEO of Altimune added, "These data further underscore the potential for pemvidutide to be a differentiated MASH therapy that could address the principal co-morbidities associated with this growing disease. We look forward to sharing results from our ongoing biopsy-driven Phase 2b IMPACT trial of pemvidutide in MASH in the second quarter of 2025."

### About Pemvidutide

Pemvidutide is a novel, investigational, peptide-based GLP-1/glucagon dual receptor agonist in development for the treatment of obesity and MASH. Activation of the GLP-1 and glucagon receptors is believed to mimic the complementary effects of diet and exercise on weight loss, with GLP-1 suppressing appetite and glucagon increasing energy expenditure. Glucagon is also recognized as having direct effects on hepatic fat metabolism, which is believed to lead to rapid reductions in levels of liver fat and serum lipids. In clinical trials to date, once-weekly pemvidutide has demonstrated compelling weight loss with class-leading lean mass preservation, and robust reductions in triglycerides, LDL cholesterol, liver fat content and blood pressure. The U.S. FDA has granted Fast Track designation to pemvidutide for the treatment of MASH. Pemvidutide recently completed the MOMENTUM Phase 2 obesity trial and is being studied in the ongoing IMPACT Phase 2b MASH trial.

### About Altimune

Altimune is a clinical-stage biopharmaceutical company focused on developing innovative next-generation peptide-based therapeutics. The Company is developing pemvidutide, a GLP-1/glucagon dual receptor agonist for the treatment of obesity and MASH. For more information, please visit [www.altimmune.com](http://www.altimmune.com).

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operations are contained in the Company's filings with the U.S. Securities and Exchange Commission, including under the heading "Risk Factors" in the Company's most recent annual report on Form 10-K and our other filings with the SEC, which are available at [www.sec.gov](http://www.sec.gov).

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Source: Altimmune, Inc