Alpine Immune Sciences Presents Preclinical ALPN-101 GvHD Data at the 2019 Transplantation & Cellular Therapy Meetings of ASBMT and CIBMTR (TCT Meetings)

February 19, 2019

Appoints Immunology Veteran Vijay Kuchroo, DVM, PhD to Scientific Advisory Board

SEATTLE--(BUSINESS WIRE)--Feb. 19, 2019-- Alpine Immune Sciences, Inc. (NASDAQ:ALPN), a leading clinical-stage immunotherapy company focused on developing innovative treatments for cancer, autoimmune/inflammatory, and other diseases, today announced it will present preclinical GvHD data from its ALPN-101 program at the 2019 Transplantation & Cellular Therapy Meetings of ASBMT and CIBMTR (TCT Meetings) in Houston, TX. Additionally, Alpine has strengthened its Scientific Advisory Board with the addition of immunotherapy scientific veteran Vijay Kuchroo, DVM, PhD.

Additional information on the TCT Meetings presentation can be found below.

- **Abstract Title:** ALPN-101, a Dual ICOS/CD28 Antagonist, Demonstrates Potent and Dose-Dependent Suppression of Graft Vs. Host Disease (GvHD) in a Human/NSG Mouse Xenograft Model, with Activity Superior to CD28 or ICOS Single Pathway Antagonists
- **Date and Time:**Saturday, February 23, 2019 from 6:45-7:45 p.m. CT
- **Poster Number:** 426

The full abstract for the poster presentation can be found here: https://tct.confex.com/tct/2019/meetingapp.cgi/Paper/12410

Appointment of Vijay Kuchroo, DVM, PhD, to Scientific Advisory Board

Vijay Kuchroo, DVM, PhD has been appointed to the Alpine Immune Sciences Scientific Advisory Board. Dr. Kuchroo is the Samuel L. Wasserstrom Professor of Neurology at Harvard Medical School, Senior Scientist at Brigham and Women's Hospital, and the Co-Director of the Center for Infection and Immunity at the Brigham Research Institutes in Boston. He is the Founding Director of the Evergrande Center for Immunologic Diseases at Harvard Medical School and Brigham and Women's Hospital and is also a member of the Broad Institute, a participant in a Klarman Cell Observatory project focusing on T cell differentiation. Dr. Kuchroo has founded five biopharmaceutical companies and serves as an advisor to international pharmaceutical companies.

"Dr. Kuchroo is a renowned immunologist and distinguished researcher and investigator," said Andy Scharenberg, MD, Chair of Alpine's Scientific Advisory Board. "His extensive expertise in autoimmune disease – particularly the autoimmune T cell response and role of costimulation – will be of immense value as Alpine works to advance novel molecules from its autoimmune and inflammatory programs into the clinic."

"I'm excited to join Alpine's Scientific Advisory Board as the company initiates its first-in-human clinical trial for ALPN-101," said Dr. Kuchroo. "I am encouraged by the preclinical data I've seen for ALPN-101 and I look forward to working with the team as Alpine explores the potential effect this novel molecule may have on a wide array of autoimmune disorders."

About ALPN-101

ALPN-101 is a novel Fc fusion protein of a human inducible T cell costimulator ligand (ICOSL) variant immunoglobulin domain (vIgD™), and a first-in-class therapeutic simultaneously inhibiting the CD28 and ICOS inflammation pathways. CD28 and ICOS are closely related costimulatory molecules with partially overlapping roles in T cell activation likely connected to multiple autoimmune and inflammatory diseases. In preclinical models of graft versus host disease, inflammatory arthritis, and multiple sclerosis, ALPN-101 demonstrates efficacy superior to blockade of the CD28 or ICOS pathways alone.

ALPN-101 was engineered using Alpine's vIgD platform, which uses directed evolution to transform native IgSF proteins into multifunctional protein therapeutics. ALPN-101 is in a Phase I healthy volunteer trial with data expected to be reported later in 2019.

About Alpine Immune Sciences, Inc.

Alpine Immune Sciences, Inc. is committed to leading a new wave of functional immune therapeutics. Alpine is employing directed evolution to create potentially powerful multifunctional immunotherapies to improve patients' lives. Alpine has two lead programs. The first, ALPN-101 for autoimmune/inflammatory diseases, is a dual ICOS/CD28 antagonist, engineered to reduce pathogenic immune responses. The second, ALPN-202 for cancer, is a dual PD-L1/CTLA-4 antagonist and PD-L1-dependent CD28 costimulator intended to combine checkpoint inhibition with T cell costimulation – an approach currently absent from approved checkpoint therapies. Alpine is backed by world-class research and development capabilities, a highly-productive scientific platform, and a proven management team. For more information, visit www.alpineimmunesciences.com.

Forward-Looking Statements

This release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, Section 21E of the Securities Exchange Act of 1934 and the Private Securities Litigation Reform Act of 1995. These forward-looking statements are not based on historical fact and include statements regarding our platform technology and potential therapies, the timing of and results from clinical trials and pre-clinical development activities, the potential efficacy, safety profile, future development plans, addressable market, regulatory success and commercial potential of our product candidates, the efficacy of our clinical trial designs and our ability to successfully develop and achieve milestones in our development

programs. Forward-looking statements generally include statements that are predictive in nature and depend upon or refer to future events or conditions, and include words such as "may," "will," "should," "would," "expect," "plan," "intend," and other similar expressions among others. These forward-looking statements are based on current assumptions that involve risks, uncertainties and other factors that may cause actual results, events or developments to be materially different from those expressed or implied by such forward-looking statements. These risks and uncertainties, many of which are beyond our control, include, but are not limited to: clinical trials may not demonstrate safety and efficacy of any of our product candidates; our ongoing discovery and pre-clinical efforts may not yield additional product candidates; our discovery-stage and pre-clinical programs may not advance into the clinic or result in approved products; any of our product candidates may fail in development, may not receive required regulatory approvals, or may be delayed to a point where they are not commercially viable; we may not achieve additional milestones in our proprietary or partnered programs; the impact of competition; adverse conditions in the general domestic and global economic markets; as well as the other risks identified in our filings with the Securities and Exchange Commission. These forward-looking statements speak only as of the date hereof and we undertake no obligation to update forward-looking statements, and readers are cautioned not to place undue reliance on such forward-looking statements.

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