Genenta presents **preliminary pre-clinical and clinical data** from a Phase 1/2 study in patients with glioblastoma multiforme at American Society of Gene & Cell Therapy

May 4, 2020

MILANO (Italy) / NEW YORK (NY, USA) -- Genenta Science, a clinical-stage biotechnology company pioneering the development of a hematopoietic stem cell gene therapy for cancer (Temferon™), announced that they will present preliminary pre-clinical and clinical data from the TEM-GBM_001 clinical trial at the international scientific meeting: American Society of Gene & Cell Therapy (ASGCT), May 12-15, 2020.

Dr Bernhard Gentner, Co-Founder of Genenta, will present relevant data for the TEM-GBM_001 clinical trial on 15th of May.

About Genenta Science

Genenta (www.genenta.com) has developed an ex-vivo gene transfer strategy into autologous hematopoietic stem/progenitor cells (HSPCs) to delivery immunomodulatory molecules directly via tumor-infiltrating monocytes/macrophages (Tie2 Expressing Monocytes - TEMs). Genenta's proprietary product is Temferon™.
The targeted expression of the immunomodulatory molecule in TEMs is achieved combining a transcriptional and post-transcriptional microRNA-mediated control. Thanks to these mechanisms, TEMs become capable of expressing the immunomodulatory molecule interferon-alpha (IFN-α) in the tumor microenvironment.
TEMs are endowed with a pro-angiogenic activity and are spontaneously and actively recruited by developing tumors to sustain their growth. Thanks to the immune-gene transfer, TEMs become the tool for the local delivery of the immunomodulatory molecule. In preclinical models, the local IFN-α release triggered both a direct (anti-angiogenic, pro-apoptotic) and an indirect anti-tumor effect (immune response).
In contrast to antigen-restricted Chimeric Antigen Receptor T cells (CAR-T), Temferon™ is not restricted to pre-selected tumor antigens nor type and may reach not only hematologic disorders but more importantly, also solid tumors. In addition, its immune-modulatory functions may trigger a long-lasting immune response towards multiple tumor antigens.
As a result, Temferon™ should be able to break the tumor immune tolerance by reprogramming the tumor immune microenvironment.
Temferon is under investigation in two Phase I/II clinical trials in early relapse Multiple Myeloma patients after front line therapy and newly diagnosed Glioblastoma Multiforme patients.
Genenta's headquarter is in Milan (Italy) with an office in Alexandria Center's LaunchLabs, New York (NY, USA). The Company is part of Assobiotec, Italia StartUp, and ELITE (London Stock Exchange Group).
Co-founders: Pierluigi Paracchi, Ospedale San Raffaele (OSR), Prof. Luigi Naldini (Director SR-TIGET, San Raffaele Telethon Institute for Gene Therapy), and Dr. Bernhard Gentner (Hematologist and Physician-Scientist at OSR and SR-TIGET). Dr. Carlo Russo, MD serves as CMO & Head of Development. Genenta raised more than €30M in three different rounds of financing.

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