

## Genenta Data Presentation at AACR to Describe On-Target Biological Activity of Temferon™ in Unmethylated Glioblastoma Multiforme

March 9, 2022

### Data to be presented at the 2022 annual meeting of American Association for Cancer Research

MILAN, Italy and NEW YORK, March 09, 2022 (GLOBE NEWSWIRE) -- Genenta Science (NASDAQ: GNTA), a clinical-stage biotechnology company pioneering the development of hematopoietic stem progenitor cell immuno-gene therapy for cancer, will present clinical data from its Phase 1/2a dose-escalation study of its clinical-stage candidate Temferon™ in patients with glioblastoma multiforme (GBM) who have an unmethylated MGMT gene promoter (uMGMT-GBM) at the annual meeting of the American Association for Cancer Research (AACR) taking place on April 8-13, 2022 in New Orleans, Louisiana (AACR22).

Data from 15 treated patients to be presented are expected to provide initial evidence of successful engraftment of Temferon-derived cells and of on-target biological activity in patients with uMGMT-GBM. One month after administration of the highest tested dose so far, the hematopoietic system of Temferon-treated patients was composed of up to 30% gene modified cells, as detected in peripheral blood and bone marrow cells. The gene-modified differentiated cells persisted for up to 18 months, albeit at lower levels. Importantly, despite high proportions of differentiated cells, only very low levels of IFN $\alpha$  were detected in plasma or in cerebrospinal fluid, consistent with the Company's expectation that IFN $\alpha$  expression remains tightly regulated outside the tumor sites.

Temferon treatment continues to demonstrate a good safety profile, with manageable serious adverse events attributed to conditioning chemotherapy or due to disease progression. The data cut-off was October 15th, 2021.

The AACR e-poster presentation (#5213) is entitled "Genetically modified Tie-2 Expressing Monocytes target IFN- $\alpha$ 2 to the glioblastoma tumor microenvironment (TME): preliminary data from the TEM-GBM Phase 1/2a study." The poster will be presented throughout the meeting April 8-13, 2022 and will be available through July 13, 2022. The abstract will also be published in the online Proceedings of the AACR.

### About Genenta Science

Genenta ([www.genenta.com](http://www.genenta.com)) is a clinical-stage biotechnology company pioneering the development of a proprietary hematopoietic stem cell gene therapy for the treatment of a variety of solid tumor cancers. Temferon™ is based on ex-vivo gene transfer into autologous hematopoietic stem/progenitor cells (HSPCs) to deliver immunomodulatory molecules directly via tumor-infiltrating monocytes/macrophages (Tie2 Expressing Monocytes - TEMs). Temferon™, which is under investigation in a phase 1/2a clinical trial in newly diagnosed Glioblastoma Multiforme patients who have an unmethylated MGMT gene promoter (uMGMT-GBM), is based on our platform technology which is designed to reach solid tumors, induce a durable immune response not restricted to pre-selected tumor antigens nor type, and avoid systemic toxicity, which are some of the main unresolved challenges in immuno-oncology.

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