

For immediate release: June 16, 2022

CTMC, Invectys, and MD Anderson announce strategic collaboration for CAR T cell therapy development

HOUSTON – Invectys, Inc., the University of Texas MD Anderson Cancer Center, and the Cell Therapy Manufacturing Center ([CTMC](#)), a joint venture between MD Anderson and National Resilience, Inc., today announced a strategic collaboration to jointly develop a reliable, compliant, and scalable process for human leukocyte antigen (HLA)-G targeted chimeric antigen receptor (CAR) T cell therapy for solid tumors.

The collaboration will build upon the HLA-G platform pioneered by Invectys to advance novel [CAR T cell therapies](#) through preclinical development with CTMC into early-phase clinical studies at MD Anderson. The collaboration brings Invectys' technology together with the cell therapy development and manufacturing expertise of CTMC and the clinical trials expertise of MD Anderson.

Uniting the complementary capabilities of Resilience and MD Anderson, CTMC was launched to accelerate the development and manufacturing of innovative cell therapies for patients with cancer.

“This agreement is truly about joining the strengths of each collaborator for the benefit of cancer patients,” said Praveen Tyle, Ph.D., President and Chief Executive Officer of Invectys. “Invectys is a cancer immunotherapy company developing novel approaches to target HLA-G. With our combined expertise and shared goals, we can act quickly to advance impactful new cell therapies.”

The HLA-G molecule is a powerful modulator of the human immune system that is normally found during pregnancy, when it acts to protect the fetus from rejection by the mother's immune system. However, HLA-G is aberrantly expressed in cancer, making it an attractive tumor-specific antigen because the HLA-G tumor cells suppress a patient's own innate immune responses. Invectys' technology is designed to target and remove tumor cells that express HLA-G, thus reducing these immunosuppressive effects and thereby reactivating the patient's own immune system.

“Immunotherapies have revolutionized the treatment landscape for cancer, but currently approved treatments are able to overcome immune suppression only in limited groups of patients,” said [Aung Naing, M.D.](#), professor of [Investigational Cancer Therapeutics](#) at MD Anderson. “This novel HLA-G technology can revitalize immune cells by identifying and killing solid tumor cancer cells, thereby offering the potential to improve treatment outcomes for a wider group of cancer patients.”

Together with researchers at Invectys, the CTMC team will work to develop a clinical-grade HLA-G targeted CAR T cell therapy for solid tumors that can be produced at scale. The collaboration will facilitate therapeutic development toward a Phase I clinical trial to be co-led by Naing and [Samer Srour, M.D.](#), assistant professor of [Stem Cell Transplantation and Cellular Therapy](#) at MD Anderson.

“CTMC was established to accelerate patient impact by addressing the hurdles associated with the development and manufacturing of cell therapies,” said Jason Bock, Ph.D., Chief Executive Officer of CTMC. “We are excited to work with the Invectys team and their unique technology to enable the anti-HLA-G CAR T cell therapy to reach its full potential, hopefully bringing an effective new treatment option to patients in need.”

Contact: Laura Torgerson

Office: 832-295-8533

Press@CTMC.com

Contact: Clayton Boldt, Ph.D.

Office: 713-792-9518

CRBoldt@MDAnderson.org

Contact: Rosie Williams

Office: 281-384-6699

ContactUs@Invectys.com

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Disclosure

MD Anderson has an institutional conflict of interest with National Resilience, Inc., and the Cell Therapy Manufacturing Center due to MD Anderson’s ownership interest in CTMC. These relationships will be managed according to an MD Anderson Institutional Conflict of Interest Management and Monitoring Plan.

About Invectys

Invectys, transforming innovative immunotherapies to eradicate cancer, is a clinical stage immuno-oncology company spun-out of the world-renowned Pasteur Institute in Paris. Invectys has two wholly owned subsidiaries, Invectys, S.A. (Paris) which is focused on scientific research and innovation and Invectys USA, Inc. (Houston), whose lead product is the development of a first-in-human HLAG /CAR T initiative. Since 2010, Invectys has raised over \$63 million in private funds to develop two innovative platforms of immunotherapy products which that target “universal” tumor antigens. Invectys has also received a grant of \$14.2 million from the Cancer Prevention and Research Institute of Texas (Grant ID DP200034) to help fund it’s HLA-G CAR T program.

About CTMC

The Cell Therapy Manufacturing Center (CTMC), a joint venture between MD Anderson Cancer Center and Resilience, was launched to accelerate the development and manufacturing of innovative cell therapies for patients with cancer. Uniting the strengths of Resilience and MD Anderson, CTMC advances its work within a culture of academic innovation alongside industrial expertise. CTMC operates a 60,000-square-foot manufacturing facility in the Texas Medical Center with a team focused on process and analytical development as well as clinical-stage manufacturing. Learn more at www.ctmc.com

About MD Anderson

[The University of Texas MD Anderson Cancer Center](http://www.utmsd.org) in Houston ranks as one of the world's most respected centers focused on cancer patient care, research, education and prevention. The institution's sole mission is to end cancer for patients and their families around the world. MD Anderson is one of only 52 comprehensive cancer centers designated by the National Cancer Institute (NCI). MD Anderson is No. 1 for cancer in U.S. News & World Report's "Best Hospitals" rankings. It has been named one of the nation's top two hospitals for cancer since the rankings began in 1990. MD Anderson receives a cancer center support grant from the NCI of the National Institutes of Health (P30 CA016672).

About Resilience

Resilience is a technology-focused biomanufacturing company dedicated to broadening access to complex medicines. Founded in 2020, the company is building a sustainable network of high-tech, end-to-end manufacturing solutions to ensure the treatments of today and tomorrow can be made quickly, safely, and at scale. Resilience seeks to free its partners to focus on the discoveries that improve patients' lives by continuously advancing the science of biopharmaceutical manufacturing and development. For more information, visit www.Resilience.com and follow us on social media: [@IncResilience](https://twitter.com/IncResilience) on Twitter and [Resilience](https://www.linkedin.com/company/resilience) on LinkedIn.