



MEDIA RELEASE / SHAREHOLDER UPDATE

25 FEBRUARY 2022

3RD DOSE LEVEL INITIATED IN CLTX CAR T PHASE 1 TRIAL

- The first patient in the 3rd dose level of the CLTX CAR T cell clinical trial has initiated CLTX CAR T therapy at City of Hope®, one of the largest cancer research and treatment organizations in the United States
- The 3rd dose level of the phase 1 clinical trial is dosing patients through dual routes of administration at a total dose of 240×10^6 CLTX CAR T cells

Chimeric Therapeutics (ASX:CHM, “Chimeric”), a clinical-stage cell therapy company and an Australian leader in cell therapy, is pleased to report that the first patient in dose level 3 of the phase 1 CHM 1101 (CLTX CAR T) clinical trial in recurrent/ progressive glioblastoma has now initiated therapy at City of Hope®, one of the largest cancer research and treatment organizations in the United States.

Patients in this dose level will receive a total dose of 240×10^6 CHM 1101 (CLTX CAR T) cells through dual routes of intratumoral and intraventricular administration. Advancement to this dose level has come about rapidly following on the completion of the 2nd dose cohort without any dose limiting toxicities in December 2021.

“We are very pleased with the continued progress of the trial,” said Jennifer Chow, Chimeric Therapeutics Chief Executive Officer. “With the encouraging safety and activity signs shown in the lower two dose levels we are excited to be advancing to the higher dose levels that may provide more therapeutic benefit to patients with progressive or recurrent glioblastoma.”

Authorised on behalf of the Chimeric Therapeutics board of directors by Chairman Paul Hopper.

ABOUT CHLOROTOXIN CAR T

Chlorotoxin CAR T (CLTX CAR T) cell therapy is a first and best in class CAR T cell therapy that has the potential to address the high unmet medical need of patients with recurrent/ progressive glioblastoma. Research to develop the intellectual property covering this CAR T cell therapy took place at City of Hope.

CLTX CAR T cell therapy uniquely utilizes chlorotoxin (CLTX), a peptide derived from scorpion toxin, as the tumour-targeting component of the chimeric antigen receptor (CAR). CLTX and CLTX CAR T cells have been shown in preclinical models to bind more broadly and specifically to GBM cells than other targeting domains like EGFR, HER-2 or IL-13.

In preclinical models, CLTX CAR T cells also demonstrated potent antitumor activity against glioblastoma while not exhibiting any off-tumor recognition of normal human cells and tissues, indicating a potentially optimal safety and efficacy profile.



ABOUT CHIMERIC THERAPEUTICS

Chimeric Therapeutics, a clinical stage cell therapy company and the ASX leader in cell therapy, is focused on bringing the promise of cell therapy to life for more patients with cancer. We believe that cellular therapies have the promise to cure cancer not just delay disease progression.

To bring that promise to life for more patients, Chimeric's world class team of cell therapy pioneers and experts is focused on the discovery, development, and commercialization of the most innovative and promising cell therapies.

CHM 1101 (CLTX CAR T) is a novel and promising CAR T therapy developed by scientists at the City of Hope Medical Centre in California for the treatment of patients with solid tumours. CHM 1101 is currently being studied in a phase 1 clinical trial in recurrent/ progressive glioblastoma. A 2nd CLTX CAR T phase 1 clinical trial is planned to begin in 2022 in additional solid tumours.

CHM 2101 (CDH17 CAR T) is a novel, 3rd generation CDH17 CAR T invented at the University of Pennsylvania. CHM 2101 (CDH17 CAR T) is currently in preclinical development with a planned phase 1 clinical trial in 2022 in Neuroendocrine Tumours, Colorectal, Pancreatic and Gastric Cancer.

Recently Chimeric announced the addition of the CORE-NK platform, a clinically validated, off the shelf natural killer (NK) cell therapy platform to their portfolio (CHM 0201). From the CORE-NK platform, Chimeric will initiate development of four new next generation NK and CAR NK assets with plans for phase 1 clinical trials to begin in 2023 in solid tumours and blood cancers.

Chimeric Therapeutics continues to be actively engaged in further developing its oncology pipeline with new and novel cell therapy assets that will bring the promise of cell therapy to life for more patients with cancer.

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