ASX ANNOUNCEMENT **15 FEBRUARY 2022**

ENCOURAGING DATA REPORTED FOR 2ND DOSE COHORT IN CLTX CAR T TRIAL (SUPPLEMENTARY ANNOUNCEMENT)

Further to the announcement of the encouraging initial data reported for the 2nd dose cohort of the CLTX CAR T phase 1 dose escalation study released on 8 February 2022, at the request of the ASX, Chimeric Therapeutics (ASX:CHM, "Chimeric"), a clinical-stage cell therapy company and an Australian leader in cell therapy, provides additional information regarding the results.

In the 2nd dose cohort, dual routes of intratumoral and intraventricular CLTX CAR T cell administration were introduced at a total dose of 88 X 106 CLTX CAR T cells. City of Hope developed and manufactured the therapy.

Four patients were enrolled in dose cohort 2 with three patients meeting the U.S. Food and Drug Administration (FDA) approved criteria for evaluation. The initial response data that has been provided at this time indicates that the 2nd dose cohort demonstrated local disease stability in two of the three patients.

The primary objective for this trial is safety. Positive initial safety was seen as patients generally well tolerated the dual routes (intratumoral and intraventricular) of CLTX CAR T cell administration introduced in this dose cohort. As previously announced, all patients advanced past the 28-day follow-up without experiencing dose limiting toxicities. Additionally, an encouraging activity signal was demonstrated with two of the three evaluable patients treated achieving local stability of disease.

Additional insights into this cohort are anticipated to be presented at a scientific congress as the trial progresses. At this time there is no additional data available for the patients in dose cohort 2.

The study is now enrolling patients in the 3rd dose cohort, which will administer CLTX CAR T cells to patients through the dual routes of administration at an increased total dose of 220 X 106 CLTX CAR T cells.

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 an Australian leader in cell therapy, is focused on bringing the promise of cell therapy to life for more patients with cancer. We believe thatcellular 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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