

# Defence to Complete a Final Pre-Clinical Study Prior to IND Filings for the AccuTOX(TM) Phase I Cancer Trial at the City of Hope National Medical Center and Beckman Research Institute

Vancouver, British Columbia--(Newsfile Corp. - March 28, 2023) - Defence Therapeutics Inc. (CSE: DTC) (FSE: DTC) (OTC Pink: DTCFF) ("**Defence**" or the "**Company**"), a Canadian biopharmaceutical company specialized in the development of immune-oncology vaccines and drug delivery technologies is pleased to announce that it is currently conducting a final pre-clinical study aimed at validating the efficacy of AccuTOX™ combined to immune-checkpoint inhibitors akin to the clinical design to be used on patients to be enrolled in the Phase I cancer clinical trial planned at the City of Hope National Medical Center and Beckman Research Institute.

Defence has completed all required pre-clinical and GLP studies on its lead compound AccuTOX™ as an injectable for solid tumors. The Defence team has shown that tumors are effectively controlled following intratumoral administration of AccuTOX™ three times per week in combination with anti-PD-1, anti-CTLA4 or anti-CD47. Dr. Yan Xing, who will conduct Defence's Phase I cancer clinical trial at City of Hope National Medical Center and Beckman Research Institute, is a physician, oncologist that has a Ph.D. in biostatistics from the University of Texas, a fellowship in medical oncology from the Houston Methodist Hospital as well as a fellowship in Phase I clinical trials from the MD Andersen Cancer Center. Dr. Yan Xing strives to improve cancer treatment and outcomes through rigorous data analyses to better determine which practices work best. Under Dr. Xing recommendations, Defence will perform a preclinical study whereas the treatment will be twice a week over a three-week period.

Defence's AccuTOX™ ongoing pre-clinical study has implemented a plan to be closely matched as the Phase I cancer clinical trial. AccuTOX™ will be delivered twice a week over a total period of three weeks. This study plan would significantly decrease the number of hospital visits per week for cancer patients. The AccuTOX™ will be delivered as combination therapy with both anti-PD-1 and anti-LAG3. The latter immune-checkpoint inhibitor combination is similar to the use of Opdualag (a BMS premixed combination of nivolumab and relatlimab), which is currently being administered to cancer patients at the City of Hope National Medical Center and Beckman Research Institute.

"The ongoing *in vivo* study will highlight potential potency differences using a different administration regimen and in addition it may determine this novel combination that can further enhance the therapeutic potency of AccuTOX™," says Mr. Plouffe, CEO and president of Defence.

Clinical studies have shown that the use of Opdualag has doubled the median progression-free survival of patients with advanced melanoma. The AccuTOX™ as a combo therapy with Opdualag is anticipated to elicit a greater therapeutic impact on cancer patients. With the study expected to be complete by the end of April 2023, Defence plans to finalize its IND filings through City of Hope National Medical Center and Beckman Research Institute by May 2023.

Data Bridge Market Research analyses that the solid tumors market was valued at USD 209.61 billion in 2021 and is expected to reach USD 901.27 billion by 2029, registering a CAGR of 20.0% during the forecast period of 2022 to 2029.

<https://www.databridgemarketresearch.com/reports/global-solid-tumors-market>

**About Defence:**

Defence Therapeutics is a publicly-traded biotechnology company working on engineering the next generation vaccines and ADC products using its proprietary platform. The core of Defence Therapeutics platform is the ACCUM™ technology, which enables precision delivery of vaccine antigens or ADCs in their intact form to target cells. As a result, increased efficacy and potency can be reached against catastrophic illness such as cancer and infectious diseases.

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