

MEDIA RELEASE

NanoMaterials Technology Singapore Signs Clinical Trial Material Supply Agreement for Anti-cancer Drug with CHRISTUS Stehlin Foundation for Cancer Research

SINGAPORE, October 14, 2013 – NanoMaterials Technology Private Limited (NMT), a Singapore-based company, announced today that it has signed an exclusive material supply agreement with Houston-based CHRISTUS Stehlin Foundation for Cancer Research (Stehlin Foundation) on a formulated CZ48 drug for a Phase I clinical (human) trial.

CZ48 is an analog synthesized by the Stehlin Foundation from Camptothecin, an alkaloid extracted from the Chinese tree *camptotheca acuminata*. When Camptothecin and many of its derivatives are used in humans, the enzymes inactivate some of the drug molecules, eliminating their anti-cancer effect. However, CZ48 is a stable form of Camptothecin, and resistant to inactivation while circulating in the human bloodstream. This topoisomerase I inhibitor has very low toxicity even at more than 20 times the therapeutic dose, and eradicated 29 different human cancers transplanted into the Stehlin Foundation's athymic nude mice in pre-clinical studies.

The Stehlin Foundation partners with NMT to develop the formulated CZ48 drug using its proprietary High Gravity Controlled Precipitation (HGCP) Technology to elevate absorption by decreasing the size of the CZ48 drug particle. Pre-clinical studies have indicated that a significantly lower dosage with only 25 percent of the original CZ48 molecule is required to achieve complete tumor inhibition using the formulated CZ48 drug.

Under the terms of the agreement, NMT will provide the formulated CZ48 capsules to the Stehlin Foundation for the Phase I study.

“We anticipate launching the Phase I clinical trial with the new formulation of CZ48 during the first quarter of 2014. The study should involve around 30 patients and require 24 months for completion,” says Stehlin Foundation’s President, Robert Anderson. “If Phase I results are as expected, we will move into Phase II.”

“We have been working on the CZ48 drug with the Stehlin Foundation for more than five years. We are glad that our HGCP technology is able to improve bioavailability, reduce drug dosage and side effects, as well as enhance the patient compliance of this highly potential drug. We will continue working closely with the Stehlin Foundation team to support their human clinical trials, commercialization and future developments,” says David Sher, Managing Director of NMT.

Based on IMS Health Reports, anti-cancer drugs will remain the highest grossing sector of the healthcare industry with global sales estimated to reach US\$83 billion by 2016. The CZ48 drug, together with Camptothecin and its other derivatives, has a potential market of US\$1 billion in USA alone.

About NanoMaterials Technology Private Limited (<http://www.nanomt.com>)

Founded in April 2000, NanoMaterials Technology (NMT) is a Singapore company that specializes in the development and commercialization of nano-materials. NMT has a proprietary technology called High Gravity Controlled Precipitation (HGCP), which is originally invented and developed by Prof. Jianfeng Chen, one of NMT’s founders, and Beijing University of Chemical Technology, one of its shareholders. The technology was internationalized and further improved by NMT, which results in a mass production technology that is simple and extremely cost effective. The HGCP technology is versatile to be coupled with NMT’s patented dispersion technology and know how to improve the dispersibility of the nano-particles in pharmaceutical and specialty products.

About CHRISTUS Stehlin Foundation for Cancer Research (<http://stehlin.org>)

Founded in 1969 by surgical oncologist, Dr. John S. Stehlin, Jr., CHRISTUS Stehlin Foundation for Cancer Research (Stehlin Foundation) has been widely recognized in

the scientific world as a pioneer in cancer research and treatment with more than 500 scientific publications. The purpose of the Foundation is to conduct cancer research that can be applied directly to improving the treatment of the patient. All research is clinically oriented. This has shortened the time from the test tube to treatment, resulting in thousands of cancer patients who are alive today. The Stehlin Foundation has a state-of-the-art 27,000 square foot research facility in Houston. Besides drug development, the Foundation also works on various research projects including prostate cancer, hyperthermia, Desmoplastic small-round-cell tumor (DSRCT) and the development of the humanized mouse.

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