Hemostemix Announces New Publication: How NCP-01 Supports Brain Computer Interfaces

written by Raj Shah | September 12, 2023

September 12, 2023 (Source) – Hemostemix Inc. (TSXV: HEM) (OTCQB: HMTXF) (FSE: 2VF0) is pleased to announce its study of NCP-01 supporting brain computer interfaces has been submitted for peer review publication. **Mitigating Challenges Facing Clinical Applications of Implantable Biosensors Supporting Brain Computer Interfaces** is co-authored by Dr. Chris McNorgan, Dr. Fraser C. Henderson, Sr., Dr. Ina Sarel, Dr. Ken Webb and Dr. Jeong Soo Lee.

Within the last two decades, advances in neurological medicine have led to the development of implantable electrodes for deep brain stimulation that have been used over 160,000 times since their introduction. Coupled to brain-computer interfaces, these devices restore mobility on a limited basis. The safe implantation and reliable long-term performance of implantable devices is critical to their effectiveness.

The study describes the scientific bases of how NCP-01 (NCP) leverages the patient's innate signalling processes to migrate to and engraft at the site of implantation, and trigger the factors that improve signal uptake and sensing. NCP injections over time will likely improve the performance and longevity of implants by months and years, decreasing the need for replacement electrodes.

"This is the most up-to-date review of published scientific

literature on the subject of implantable biosensors and brain computer interfaces," stated Thomas Smeenk, CEO. "What becomes obvious from the research is that companies like Neuralink, NeuroRestore and MindMaze will benefit from NCP's ability to home to and engraft at the site of implant, as NCP develop neurons, glial cells which support the neuron, and oligodendrocytes (which wrap myelin around the nerve), that better facilitate the implantation, acceptance, signaling capacities and longevity of electrodes. This manuscript provides the scientific bases for detailed discussions with NCP licensee-collaborators," Smeenk said.

ABOUT HEMOSTEMIX

Hemostemix is an autologous stem cell therapy company, founded in 2003. A winner of the World Economic Forum Technology Pioneer Award, the Company has developed, patented, and is scaling a patient's blood-based stem cell therapeutics platform that includes angiogenic cell precursors, neuronal cell precursor and cardiomyocyte cell precursors. For more information, please visit **www.hemostemix.com.**

For further information, please contact: Thomas Smeenk, President, CEO & Co-Founder

EM: **tsmeenk@hemostemix.com** PH: 905-580-4170

Neither the TSX Venture Exchange nor its Regulation Service Provider (as that term is defined under the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

Forward-Looking Information*: This news release contains "forward-looking information" within the meaning of applicable Canadian securities legislation. All statements, other than statements of historical fact, included herein are forward-*

*looking information. In particular, this news release contains forward-looking information in relation to: financing of the Company and its lead product ACP-01, the Phase II Clinical Trial of ischemic cardiomyopathy and related results, the retrospective study of ischemic and dilated cardiomyopathy, and the commercialization of ACP-01 via the sale of compassionate treatments approved by regulators. There can be no assurance that such forward-looking information will prove to be accurate. Actual results and future events could differ materially from those anticipated in such forward-looking information. This forward-looking information reflects Hemostemix's current beliefs and is based on information currently available to Hemostemix and on assumptions Hemostemix believes are reasonable. These assumptions include, but are not limited to: the underlying value of Hemostemix and its Common Shares; the successful resolution of the litigation that Hemostemix is pursuing or defending (the "**Litigation**"); the results of ACP-01 research, trials, studies and analyses, including the analysis being equivalent to or better than previous research, trials or studies; the receipt of all required regulatory approvals for research, trials or studies; the level of activity, market acceptance and market trends in the healthcare sector; the economy generally; consumer interest in Hemostemix's services and products; competition and Hemostemix's competitive advantages; and Hemostemix obtaining satisfactory financing to fund Hemostemix's operations including any research, trials or studies, and any Litigation. Forward-looking information is Subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of Hemostemix to be materially different from those expressed or implied by such forward-looking information. Such risks and other factors may include, but are not limited to: the ability of Hemostemix to complete clinical trials, complete a satisfactory analyses and file the*

results of such analyses to gain regulatory approval of a phase II or phase III clinical trial of ACP-01; potential litigation Hemostemis mayface; general business, economic, competitive, political and social uncertainties; general capital market conditions and market prices for securities; delay or failure to receive board or regulatory approvals; the actual results of future operations including the actual results of future research, trials or studies; competition; changes in legislation affecting Hemostemix; the timing and availability of external financing on acceptable terms; long-term capital requirements and future developments in Hemostemix's markets and the markets in which it expects to compete; lack of qualified, skilled labour or loss of key individuals; and risks related to the COVID-19 pandemic including various recommendations, orders and measures of governmental authorities to try to limit the pandemic, including travel restrictions, border closures, non-essential business closures service disruptions, quarantines, self-isolations, shelters-in-place and social distancing, disruptions to markets, disruptions to economic activity and financings, disruptions to supply chains and sales channels, and a deterioration of general economic conditions including a possible national or global recession or depression;the potential impact that the COVID-19 pandemic may have on Hemostemix which may include a decreased demand for the services that Hemostemix offers; and a deterioration of financial markets that could limit Hemostemix's ability to obtain external financing. A description of additional risk factors that may cause actual results to differ materially from forward-looking information can be found in Hemostemix's disclosure documents on the SEDAR website at www.sedar.com. Although Hemostemix has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. Readers

are cautioned that the foregoing list of factors is not exhaustive. Readers are further cautioned not to place undue reliance on forward-looking information as there can be no assurance that the plans, intentions or expectations upon which they are placed will occur. Forward-looking information contained in this news release is expressly qualified by this cautionary statement. The forward-looking information contained in this news release represents the expectations of Hemostemix as of the date of this news release and, accordingly, it is Subject to change after such date. However, Hemostemix expressly disclaims any intention or obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as expressly required by applicable securities law.