

Innocan Pharma Reports Further Success in Profile Characterization Progress In Its micro-RNA Cannabinoids Loaded Exosome Delivery Platform (CLX) Project

Herzliya, Israel and Calgary, Alberta--(Newsfile Corp. - November 10, 2021) - Innocan Pharma Corporation (CSE: INNO) (FSE: IP4) (OTCQB: INNPF) (the "**Company**" or "**Innocan**"), is pleased to report further progress in the Cannabinoids loaded Exosome Delivery Platform (CLX) research. The researchers at Prof. Offen's laboratory at the Tel Aviv University, have succeeded to characterize the profile of the micro-RNA content in exosomes. The new analysis will allow more accurate characterization of the exosomes intended for treatment combined with CBD. Characterization of the exosomes is another step in the FDA regulatory process.

The research, led by Prof. Offen, was performed pursuant to a sponsored research agreement signed by the Company and Ramot, the technology transfer company of Tel Aviv University.



Figure 1. Iris Bincovich Innocan Pharma's CEO, Prof. Daniel Offen and Ron Mayron Innocan Pharma's Executive Chairman

To view an enhanced version of Figure 1, please visit:

https://orders.newsfilecorp.com/files/6922/102819_05bb95b7944a6b1f_002full.jpg.

Micro-RNAs are small single-stranded, non-coding RNA molecules, that reduce efficient translation of specific messenger RNA into proteins and have therapeutic potential. The micro-RNA content is relatively small compared to the protein concentration, but it is critical in the therapeutic properties of the exosome particles. Different profile of micro-RNA can create different properties of the whole exosome and may make it more potent for different indications.

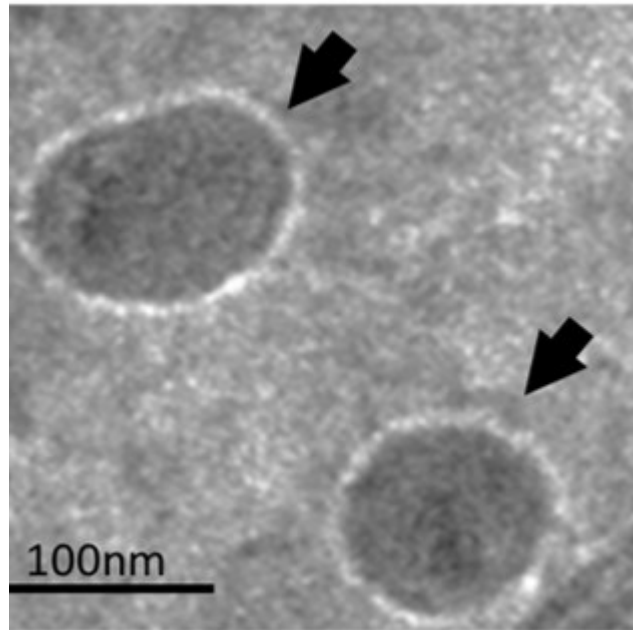


Figure 2. Exosomes seen under the microscope at Prof. Offen's Lab at the Tel - Aviv University

To view an enhanced version of Figure 2, please visit:

https://orders.newsfilecorp.com/files/6922/102819_05bb95b7944a6b1f_003full.jpg.

Exosomes have emerged as promising nanocarriers for drug delivery and targeted therapy. Exosomes can act as "guided missile" targeting specific damaged organs and have an important role in cell-to-cell communication and can be loaded with therapeutic ingredients to enhance their potential.

The CLX (Cannabinoids Loaded Exosome) may hold the potential to provide a highly synergistic effect on tissue, such as regeneration and anti-inflammation. They can target damaged tissues in infected lungs, including COVID-19 or in brain diseases.

"We are manufacturing and characterizing the exosomes to meet the criteria demanded by the FDA, in order to make sure that our product will be ready in the future for clinical use," says CEO Iris Bincovich. "This is why we consider this step another reassuring step in our way to commercialization."

Prof. Offen of Tel Aviv University stated that "we are continuing to make progress in the cannabinoids loaded exosome (CLX) development, in order to provide highly synergistic effects, such as regeneration or anti-inflammation."

"Ramot is excited about the fruitful collaboration with Innocan and believes that the new drug delivery platforms containing CBD will lead to new breakthroughs in the field of drug delivery platforms," said Keren Primor Cohen, Ramot's CEO.

Innocan's relationship with Tel Aviv University

Innocan Pharma Ltd., a wholly owned subsidiary of the Company, notified Ramot at Tel Aviv University, the technology transfer company of Tel Aviv University, of its election to exercise its option to enter into a worldwide exclusive license and research agreement with respect to CBD (or other cannabinoids) loaded exosomes, pursuant to the licensing terms already agreed on and set forth in the option agreement which was signed on April 17th 2020. The research and development initiative is led by Professor Daniel Offen, head of the Neuroscience Laboratory at Tel Aviv University in the Department of Human Genetics and Biochemistry. Professor Daniel Offen published over 200 original scientific papers on neurodegenerative diseases and is a co-inventor on over a dozen patents. He is a co-founder of several biotechnology companies developing gene and cell therapies for neurological disorders.

About Innocan

Innocan Pharma is a pharmaceutical tech company that focuses on the development of several drug delivery platforms containing CBD. Innocan Pharma and Ramot at Tel Aviv University are collaborating on a new, revolutionary exosome-based technology that targets both central nervous system (CNS) indications and the COVID-19 using CBD. CBD-loaded exosomes hold the potential to help in the recovery of infected or damaged cells. This product, which is expected to be administered by inhalation for a variety of lung infections and intranasally for brain diseases.

Innocan Pharma signed a worldwide exclusive license agreement with Yisum, the commercial arm of The Hebrew University of Jerusalem, to develop a CBD drug delivery platform based on a unique-controlled release liposome to be administered by injection. Innocan Israel plans, together with Professor Berenholz, to test the liposome platform on several potential conditions. Innocan Israel is also working on a dermal product that integrates CBD with other pharmaceutical ingredients as well as the development and sale of CBD-integrated pharmaceuticals, including, but not limited to, topical treatments for the relief of psoriasis symptoms as well as the treatment of muscle pain and rheumatic pain. The founders and officers of Innocan Israel each have commercially successful track records in the pharmaceutical and technology sectors in Israel and globally.

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