

International conference on

CANNABIS AND MEDICINAL RESEARCH

November 15-16, 2018 Osaka, Japan



Samantha Watt

Avicanna Inc, Toronto

Advancements of Cannabinoid Research and Delivery Systems

Cannabis has long been acknowledged for its therapeutic contributions to natural medicine and, historically, the plant has demonstrated a wide variety of positive effects in the treatment of a number of chronic, as well as acute, medical conditions such as those associated with pain and nausea. With the stigma towards cannabis becoming less prevalent, more and more scientific minds are shifting their focus towards the study of individual chemical compounds found within the plant. In particular, research relating to the cannabinoids *Tetrahydrocannabinol* (THC) and *Cannabidiol* (CBD) have started to generate supporting evidence of the therapeutic benefits for specific medical indications. However, as research unveils the medical applications of THC and CBD, there still remains an incredulous lack of information – A paucity that is particularly relevant to the actual delivery mechanisms of cannabinoids across submucosal membranes and physiological barriers including skin, and intestinal linings. As such, modern scientific advancements have begun harbouring novel technologies that may partition cannabinoids in such ways that pertain to specific ailments using unique formulations for immediate or sustained release. Together, these advancements are providing insights that not only optimize the absorption of cannabinoids, but also assist in revealing the therapeutic potentials of cannabis and its chemical constituents.

Biography

Samantha received her Master of Science degree from the University of Guelph studying Molecular and Cellular Biology. Her experience investigating human physiology and cellular biology has allowed her to develop sophisticated laboratory and project management skills that contribute to Avicanna Inc's (Toronto, Canada) competitive edge in the department of Research and Development. Samantha has been published on several different occasions and has lead various conferences and presentations related to plant gene manipulation, cloning and most relevant, the foundations and use benefits of medicinal cannabis.

samantha.watt@avicanna.com

Notes: