

Seminar

Cannabinoid System Regulates Brain Ageing

21 November 2022 | 15 : 00 – 16 : 30

TWIns Seminar Room #4, #5
Zoom Webinar (Scan QR Code)

Speaker

Dr. Andras Bilkei-Gorzo

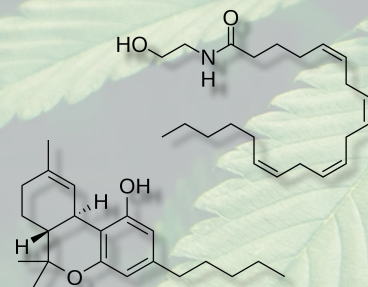
Institute of Molecular Psychiatry, University of Bonn

About Speaker

Andras Bilkei-Gorzo, Ph.D. is a senior researcher in the Institute of Molecular Psychiatry at the University of Bonn. He is one of the world's leading expert focusing on the influence of the cannabinoid system on systemic and brain ageing. The present view about the role of cannabinoid system activity on ageing in the scientific community is largely based on the work of his group, which was often represented in high-ranking journals (e.g. PNAS, Nature Medicine) – opening the new avenues in ageing and cannabinoid research, that offered a new direction for pharmacological approach into the treatment of age-related cognitive impairments.

Abstract

Cannabis or marijuana is used for medical purposes since ages and its consumption as a recreational drug is legalised in more and more countries. Importantly, its psychoactive ingredient Δ^9 -tetrahydrocannabinol (or briefly THC) influences several physiological processes underlying ageing. Recent studies show that decreased cannabinoid receptor signaling is associated with accelerated ageing whereas treatment with THC reverses several symptoms of brain ageing. In my talk I will discuss how cannabinoid system can influence ageing and how genetic, pharmacological manipulation of the cannabinoid-type 1 receptor activity altered systemic and brain ageing.



Contact information:

Chihiro Nozaki
chihiron@aoni.waseda.jp
+81-3-5369-7318

Kosuke Kataoka
kataokak@aoni.waseda.jp
+81-3-5369-7327