The Neural Mechanisms of Psychedelic Drug Action - Talk 6

Speaker: Dr. Alex Kwan - Cornell University

Title: Imaging the actions of psychedelics on dendrites

Venue: Institute of Theoretical Biology, Philippstr. 12, Haus 4, Hörsaal 4, Berlin 10115, Germany
https://goo.gl/maps/uBEkAEksdoxK89ua6

Date: Thursday, 27.07.2023
Time: 17:00

Zoom Link (hybrid event): https://hu-berlin.zoom.us/j/61751893925

Abstract: Numerous drugs have the ability to alter our perception, cognition, and mood. Some of these compounds, such as ketamine and serotonergic psychedelics, have also shown promise as treatments for depression. The behavioral effects are often long-lasting, presumably because the drugs act on synapses and dendrites to induce plasticity in the brain. In this talk, I will discuss my lab’s work on understanding the impact of psychoactive drugs on neurons and neural circuits in mice. Specifically, I will describe a series of studies using subcellular-resolution two-photon imaging and other techniques to dissect the effects of psilocybin and other classical psychedelics on the structure and function of dendrites.

Yours sincerely from the organizing team,

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