OptoDBS2022

Conference/ PhD course with assessment based on meeting participation, preparation and post-meeting term paper

Date: June 15-17, 2022

Place: Campus Biotech, Chemin des Mines 9, 1202 Genève

2 ECTS (incl. assessments)

Pathological circuit function is at the origin of many symptoms of neurological and psychiatric disorders. Over the last years, the optogenetic toolbox applied to animal models of behavioral diseases has led to decisive progress yielding blueprints for novel treatments. The challenge is to implement such approaches with current circuit interventions approved for human use such as deep brain stimulation. Optogenetic circuit investigations in rodent models may thus inspire novel rational treatments for diseases without cure.

OptoDBS 2022 will discuss the state of the art of current therapies for DBS and ask how a better understanding of neural circuit dysfunction in pathology could inspire novel protocols. A particular emphasis will be on novel DBS indications such as obsessive-compulsive disorders (OCD), depression or addiction. Cutting-edge optogenetic presentations will interleave with clinical studies from leading experts.

Details of the meeting program can be found here.

For LNDS candidates, the participation to local symposia or national conferences usually warrants entries on a "seminar sheet" (12 entries = 1 ECTS) as these events do not provide the possibility to assess students' learning achievements.

For free registration and to obtain 2 ECTS, the meeting organizers (in particular Christian Lüscher and co-workers) provide LNDS students with the opportunity to participate in

- A meeting primer introducing PhD candidates to the background of the research field and general hypotheses and working principles. This priming session will take place from 9-11h on June 14 @ CMU Geneva (room E09.2753.A). Participants will have to prepare by reading 3 introductory papers provided.
- The actual scientific meeting running from June 15-17 (for free).
- Provide a post-meeting 1-page term paper sketching a potential future project in OptoDBS research (before August 1, 2022); to be submitted to lnds@unil.ch (papers will be collectively forwarded to the course organizers for evaluation).

To register for the meeting (for free) incl. the 2 ECTS credit option, please fill the following form before March 5 (these registrations will be forwarded to the conference organizers; do not register via the OptoDBS website in parallel!!!!): https://tinyurl.com/OptoDBS2022

(Registration closed)