

BIO-605

Stroke: from mechanism to neurotechnology

Hummel Friedhelm Christoph

Cursus	Sem.	Type
Neuroscience		Opt.

Language of teaching	English
Credits	1
Session	
Exam	Written
Workload	30h
Hours	18
Lecture	18
Number of positions	90

Frequency

Only this year

Summary

2 day WorkShop with world known experts in stroke recovery and neurotechnology. During the WS underlying mechanisms based on multimodal systems neuroscience, phenotyping and biomarking of patients for personalization and innovative treatment strategies based on neurotechnology will be discussed.

Content

Please register for the Stroke Recovery Symposium on-line before Dec 1st, and contact edne@epfl.ch if you would like to receive a credit.

The evaluation will be a written text on what you learn. More details later from the course instructor.

This 2 day workshop course "Stroke: from mechanism to neurotechnology" brings together world leading experts in the field of stroke recovery and neurotechnology who will share their latest findings and discuss the underlying fundamental underlying mechanisms based on multimodal imaging, phenotyping of patients and development of biomarker for predictors of outcome and personalisation for innovative treatment strategies and novel, disruptive neurotechnologies as potential novel treatment strategies.

Takes place in Sion, Aula Conference room at the campus Energypolis, rue de l'industrie 19.

Monday 11th December

08:00 ### Welcoming / Coffee
 08:45 ### Opening Ceremony
 09:00 ### Invited Talks Session 1 : Multimodal imaging
 11:00 ### Coffee Break
 11:30 ### Selected Talks Session 1
 13:00 ### Lunch
 14:00 ### Invited Talks Session 2 : Innovative neurotechnologies
 17:00 ### Poster Session
 19:00 ### Conference Cocktail

Tuesday 12th December

08:30 ### Welcoming / Coffee
 09:00 ### Invited Talks Session 3 : Multi-domain / Behavior & Learning
 11:00 ### Coffee Break
 11:30 ### Selected Talks Session 2
 13:00 ### Lunch
 14:00 ### Selected Talks Session 3
 15:00 ### Coffee break
 15:30 ### Invited Talks Session 4 : Personalized treatment strategies
 17:30 ### Awards and closing ceremony

Invited speakers:

Dr. Elena Beanato ###Ecole Polytechnique FÃ©dÃ©rale de Lausanne, Switzerland

Prof. Leonardo Cohen â##National Institute of Health, Bethesda, USA
Prof. Maurizio Corbettaâ##PadovaNeuroscience Center, Italy
Dr. Lisa Fleury â##Ecole Polytechnique FÃ©dÃ©rale de Lausanne, Switzerland
Prof. Christian Grefkes-Hermann â##Center for Neuroscience Frankfurt, Germany
Prof. NirGrossman â##Imperial Collegeof London, United-Kingdom
Prof. Adrian Guggisberg â##NeurorehabilitationInselspital, Bern, Switzerland
Prof. Friedhelm Hummel â##Ecole Polytechnique FÃ©dÃ©rale de Lausanne, Switzerland
Prof. Teresa Kimberley â##MGH Institute, Boston, USA
Prof. Giacomo Koch â##Santa Lucia Foundation, Roma, Italy
Dr. PhilippJ. Koch â##Universityof LÃ©beck, Germany
Dr. Anna Kuppawamyâ##UniversityCollegeof London, United-Kingdom
Prof. Gert Kwakkelâ##AmsterdamUniversityMedicalCenter, Netherlands
Dr. Charles-FranÃ§ois Latchoumaneâ##NeuroRestore/CHUV, Lausanne, Switzerland
Prof. Silvestro Micera â##Ecole Polytechnique FÃ©dÃ©rale de Lausanne, Switzerland
Prof. Dimitri Van De Ville â##Ecole Polytechnique FÃ©dÃ©rale de Lausanne, Switzerland
Prof. Ulf Ziemannâ##Universityof TÃ©bingen, Germany

Resources

Websites

- <https://ssrc2023.epfl.ch/home/>

Moodle Link

- <https://go.epfl.ch/BIO-605>