



MULTIMODAL NON-INVASIVE BRAIN STIMULATION Seminar Series

Wednesdays 16:30 - 18:00, March - June 2019,
University of Bern, Fabrikstrasse 8, Lecture hall B102

DESCRIPTION

The seminar series covers recent advancements in non-invasive techniques to modulate and/or perturb brain activity, and novel combinations of brain stimulation and imaging modalities. It will cover how multimodal non-invasive brain stimulation can be used in basic research as well as in clinical applications, addressing the neurophysiological response to stimulation to optimize stimulation parameters.

No registration is necessary for attending.*

*However, the seminar series is also offered as a graduate course by the Graduate School for Health Sciences (CTS/KSL Course No: 442410)

ORGANIZERS

Dr. Kristoffer Fehér, Annegret Habich

PROGRAM

- 13.03 Concurrent TMS-EEG.**
Title: *A non-invasive perturbation approach to disorders of consciousness.*
Dr. Silvia Casarotto, University of Milan, Italy
- 27.03 Concurrent tACS-TMS.**
Title: *Combining transcranial alternating current stimulation with TMS.*
Dr. Andrea Guerra, University of Rome, Italy
- 03.04 Concurrent tES-MRI.**
Title: *Measurement of weak electrical currents in the living human brain by MRI.*
Dr. Cihan Göksu, Danish Research Centre for Magnetic Resonance (DRCMR), Denmark
- 17.04 Closed-loop Brain stimulation.**
Title: *Closed-loop Stimulation of the Sleeping Brain: Fundamental Advances and Possibilities for Application.*
Prof. Lucia Talamini, University of Amsterdam, Netherlands
- 08.05 Concurrent tES-MRI.**
Title: *Challenges of Multimodal Neuroimaging for Prefrontal Non-Invasive Brain Stimulation.*
Dr. Daniel Keeser, Ludwig-Maximilians-Universität München, Germany
- 15.05 Concurrent tES-MRS.**
Title: *Plasticity in sensorimotor cortex: insights from concurrent tES-MRS.*
Dr. James Kolasinski, University of Oxford, UK
- 29.05 Concurrent tDCS-EEG.**
Title: *Transcranial stimulation and EEG – an integrative approach for studying the brain.*
Prof. Carlo Miniussi, University of Trento, Italy
- 05.06 Concurrent TMS-fMRI.**
Title: *To be announced*
Prof. Christian Ruff, University of Zurich, Switzerland

