



FORSCHUNGSSYSTEME GMBH

&



FNIRS WORKSHOP

HEIDELBERG 02.05. - 03.05.23

Where: Core Facility for Neuroscience of Self-Regulation (CNSR)
Hauptstr. 51, Building 3011, D-69117 Heidelberg

02nd of May

- 09:30 - 09:45 h Opening of Workshop – Introduction to the Team
- 09:45 - 10:00 h Introduction to the facility – Dr. Torsten Wüstenberg
- 10:00 - 11:00 h Introduction and potential of fNIRS
- 11:00 - 11:15 h *Coffee break*
- 11:15 - 12:30 h Guidelines on experimental design and montage creation
- 12:30 - 14:00 h *Lunch (Zeughaus Mensa)*
- 14:00 - 17:30 h Hands-on:
- Cap preparation and experimental setup for NSP2
 - Data acquisition and signal quality assessment
- 18:30 h *Dinner (Brauhaus Vetter)*

03rd of May

- 09:00 - 09:45 h David Mehler, MD, PhD
Applied Computational Neuroscience (ACN) lab at the Uniklinik RWTH Aachen
Making fNIRS research more transparent: A preregistration guide and template for open and reproducible workflows
- 09:45 - 10:30 h Lucas R. Trambaiolli, PhD
Research Fellow in Psychiatry, McLean Hospital, Harvard Medical School
Functional near-infrared spectroscopy for emotional decoding and affective neurofeedback studies
- 10:30 - 11:00 h *Coffee break*
- 11:00 - 12:30 h Preprocessing and data analysis (Talk)
- 12:30 - 14:00 h *Lunch (Zeughaus Mensa)*
- 14:00 - 15:30 h Data analysis with Satori (Hands-on)
- 15:30 - 16:00 h Best practices paper in fNIRS
- 16:00 h *Closing of Workshop*