



2017

WORKSHOP

April
24 -25

Berlin

where/when

Seminar mit Spreeblick
An der Schillingbrücke 4
10243 Berlin, Germany

9am
April 24-25 2017

This workshop is structured in a series of lectures followed by hands-on sessions. During the first day, attendees will have the opportunity to learn about the technical details of fNIRS instrumentation and principles of fNIRS for functional activation measurements. Attendees will learn how to design and run fNIRS experiments for functional brain imaging studies and work in small groups to practice concepts illustrated in the lectures. The second day of the workshop participants will be divided into small groups and will have the possibility to practice on different NIRx devices. NIRx team members will be available for continuous assistance.

Speakers

Dr. Christoph Schmitz
Managing Director
NIRx Medizintechnik GmbH

Dr. Eike Middell
Head of Software Development
NIRx Medizintechnik GmbH

Dr. Barış Yeşilyurt
Scientific Consultant
MES Forschungssysteme GmbH

Lamija Pašalić
Support Director
NIRx Medizintechnik GmbH

itinerary: day one

9am - 9:15 am Opening of Workshop

9:15 am - 10:15 am Introduction to fNIRS - Theory, History and Basic Principles

10:15 am - 11:15 am NIRx Instrumentation Lecture: Systems and Probes

11:15 am - 11:45 am *Coffee Break*

11:45 am - 12:30 pm Introduction to fNIRS Data Acquisition – Live Demonstration: Data Collection with the NIRSport. How to prevent motion artifacts?

12:30 pm - 1:30 pm *Lunch*

1:30 pm - 2:30 pm Live Demonstration: Data Collection with the NIRScout

2:30 pm - 3:30 pm Experiment and Montage Design

3:30 pm - 4 pm *Coffee Break*

4 pm – 5 pm Introduction to fNIRS data analysis : nirsLAB

7pm *Happy hour / Dinner, Location TBA*

itinerary: day two

9 am - 9:15 am Opening of Second Day

9:15 am - 11:00 am Work in small groups. Participants will have the possibility to work on different workstations.

11:00 am - 11:30 am *Coffee Break*

11:30 am - 12:30 pm Work in small groups. Participants will have the possibility to work on different workstations.

12:30 pm - 1:30 pm *Lunch*

1:30 pm - 3:30 pm Questions and Answers. Participants will have the possibility to either keep working on the workstations with NIRx staff or practice on data analysis in nirsLAB.

3:30 – 3:45 pm Look to the Future and Conclusions