

Summer 2025

Pittsburgh fNIRS Analysis Workshop

When: Wed August 6th – Fri 8th 2025

Where: University of Pittsburgh, Pittsburgh PA USA

About: We are pleased to be able to offer our 3-day hands-on workshop on data analysis methods and the Brain AnalyzIR toolbox. This workshop will cover both theory and implementation of data analysis methods.

Schedule:

Day 1 (Aug 6th)

9:00-9:30. Registration and light breakfast

9:30-10:30. Preprocessing and data QC

10:30-11:30. First-level statistical analysis

11:30-12:30. Advanced experimental design and analysis

12:30-1:30. Lunch on own

1:30-3:30. Hands-on breakout sessions (smaller groups in lab spaces)

 Session A. fNIRS in Pediatric Populations

 Session B. fNIRS in Gait and Mobility

3:30-5:00. Q&A data analysis (Preprocessing and 1st level statistics)

Day 2 (Aug 7th)

9:00-9:30. Light breakfast

9:30-10:30. Connectivity and Hyperscanning

10:30-11:30. Group-level analysis

11:30-12:30. Spatial registration and image reconstruction

12:30-1:30. Lunch on own

1:30-3:30. Hands-on breakout sessions (smaller groups in lab spaces)

Session A. Multimodal fNIRS

Session B. Clinical fNIRS

3:30-5:00. Q&A data analysis (Connectivity, Adv stats, and Group level analysis)

Day 3 (Aug 8th)

9:00-9:30. Light breakfast

9:30-10:30. Advanced group level analysis

10:30-12:30. Q&A with participant contributed data