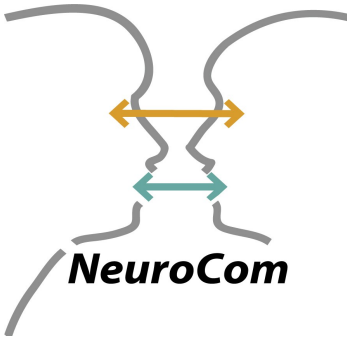
Lecture

Methods



Location
Max Planck Institute for Human Cognitive and Brain Sciences
Stephanstrasse 1A
Lecture Hall

18 October 9:15-10:45 11:00-12:30	 André Pampel (MPI CBS) André Pampel (MPI CBS)	 Structural MRI with contrast based on relaxation Diffusion-weighted MRI
1 November 9:15-10:45 11:00-12:30	 Karsten Müller (MPI CBS) Karsten Müller (MPI CBS)	 Spatial processing of structural MRI data Voxel-based morphometry (VBM)
15 November 9:15-10:45 11:00-12:30	 Thomas Knösche (MPI CBS) Gerik Scheuermann (UL)	 Analysis of diffusion-weighted imaging data (overview) Computation and visualization of white-matter fiber tracts
29 November 9:15-10:45 11:00-12:30	 Gerik Scheuermann (UL) Thomas Knösche (MPI CBS)	 Multimodal visualization of fibre tracts, MRI, fMRI, and EEG/MEG (with software demo) Generation and recording of EEG and MEG signals
13 December 9:15-10:45 11:00-12:30	 Thomas Knösche (MPI CBS) Thomas Knösche (MPI CBS)	 Basic analysis of event-related and spontaneous signal (including basic source modelling) I Basic analysis of event-related and spontaneous signal (including basic source modelling) II
10 January 9:15-10:45 11:00-12:30	 Thomas Knösche (MPI CBS) Thomas Knösche (MPI CBS)	 Advanced source modelling Connectivity analysis
24 January 9:30	 Exam	

UL – University of Leipzig, MPI CBS – Max Planck Institute for Human Cognitive and Brain Sciences