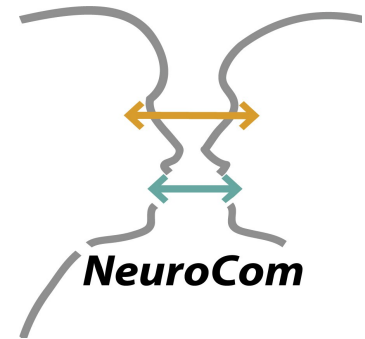# Seminar

NeuroCom

Statistical Parametric Mapping (SPM)

Location
Leipzig University
Department of Computer Science
Johannisgasse 26
Room 3-10

Time

07 April 2010
21 April 2010
05 May 2010
19 May 2010
02 June 2010
16 June 2010
30 June 2010

14:00 – 17:00

Course Leaders
Karsten Müller, Jöran Lepsian

The course presents instruction on the analysis and characterization of functional MRI data. Using the software packages SPM and FSL, we will demonstrate the whole chain of data processing using various example data sets. We will start with a focus on the fundamentals of using the core SPM and FSL functions for preprocessing, statistical modeling and visualization of data associated with a simple fMRI experimental design. Then we will show more complex designs including group comparisons and connectivity analyses. Lectures will be linked with interactive exercises that will provide participants with analysis experience. Anyone planning to use SPM or FSL as their primary statistical analysis and preprocessing software package should benefit from this course.