

The 3rd ENU Annual Workshop

Nov. 25-26, 2015

Day 1 (Nov 25, 2015)

Session I - Brain Voyager course -Part 1

Time	Topic
08:30 - 09:00	Coffee & gathering
09:00 - 10:00	Introduction and Overview: New features and improvements in BrainVoyager 20.0 / BVQX 3.0
10:00 - 10:45	MNI vs Talairach space: Theoretical and practical considerations
10:45 - 11:00	Coffee break
11:00 - 11:45	More recent options in preprocessing functional data
11:45 - 12:45	The anatomical processing path: preprocessing, normalisation and segmentation
12:45 - 01:15	Lunch break
01:15 - 02:00	Options to improve the General Linear Model (GLM)
02:00 - 02:45	Exercise: Adapting the GLM
02:45 - 03:30	Psychophysical interaction analysis (PPI): Background and implementation in BrainVoyager
03:30 - 04:15	Exercise: PPI
04:15 - 04:45	Questions and Discussion

Session II - Scientific Talks

04:45- 05:00	Coffee & gathering
05:00 – 06:00	Prof. Rainer Goebel, Maastrich University, Netherlands Topic: Revealing Mesoscopic Coding Principles in the Human Brain with Ultra-High Magnetic Field fMRI
06:00 – 07:00	Prof.Nikolaus Weiskopf, University College Topic: Towards In-Vivo Histology using MRI

Day 2 (Nov 26, 2015)

Brain Voyager course -Part 2

Time	Topic
09:00 - 10:00	Multi-Subject Analysis: Different pathways to analyze group effects
10:00 - 11:00	Exercise: Group Analysis
11:00 - 11:15	Coffee break
11:15 - 12:00	Multi-voxel pattern analysis and Representational Similarity Analysis
12:00 - 12:45	Exercise: MVPA / RSA
12:45 - 01:15	Lunch break
01:15 - 02:15	Combining BrainVoyager with other analysis tools
02:15 - 03:45	Analysis of high resolution anatomical and functional data
03:45 - 04:00	Coffee break
04:00 - 05:00	Questions and Discussion