Essentials of (f)MRI analysis

Syllabus 2013

Date	Topic	Speaker 1	Speaker 2
13.02.	MRI principles I	Marta	---
20.02.	MRI principles II	Marta	---
26.02.	Introduction to Matrix Algebra	Olaf Hauk	---
27.02.	The General Linear Model	Olaf Hauk	---
06.03.	MEG I	Matti Stenroos	---
13.03.	MEG II	Olaf Hauk	---
20.03.	The BOLD signal (physiology and modeling)	Stephan Bruggemann	Anna Bevan
EASTER BREAK			
10.04.	fMRI preprocessing I (slice-timing-correction, motion correction, smoothing, realignment)	Holly Phillips	Moos Peeters
17.04.	fMRI preprocessing II (normalization, co-registration, VBM)	Francesca Biondo	
24.04.	Study design and efficiency	Niko Kriegeskorte	---
01.05.	Design matrix, contrasts, and inference	Seyed	---
08.05.	ROI definition, univariate statistics, ROI analysis	Tom Powell	Sofia Gerbase
15.05.	MVPA I (Classification)	Marieke Mur	---
22.05.	MVPA II (Representational Similarity Analysis, Searchlight Mapping)	Alex Walther	Yara van Someren
29.05.	Functional and effective connectivity I (Dynamic Causal Modeling)	Alex Billig	Charlotte Rae