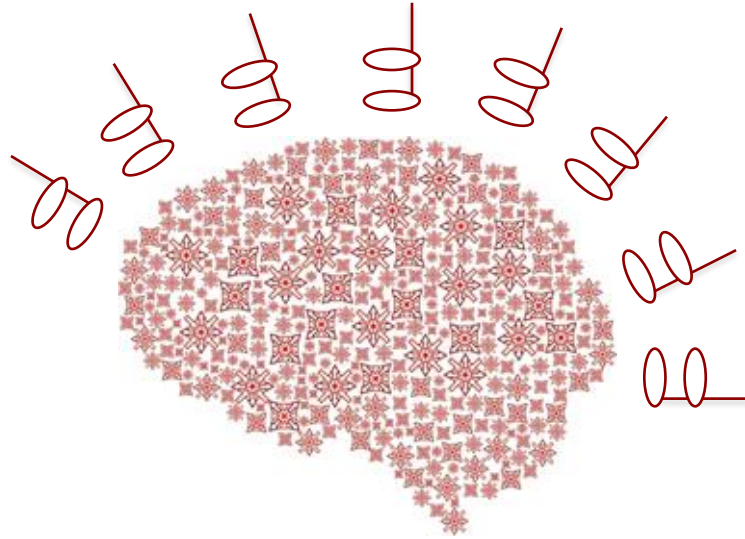




Donders Institute for Brain, Cognition and Behaviour

Advanced MEG/OPM toolkit



Donders Institute for Brain, Cognition and Behaviour Advanced MEG/OPM toolkit

Donders Institute for Brain, Cognition and Behaviour



Organization structure

Research institute, part of the Radboud University Nijmegen

~1000 researchers, ~100 principal investigator groups

Six centres

Donders Centre for **Cognitive Neuroimaging** (DCCN)

Donders Centre for **Cognition** (DCC, Faculty of Social Sciences)

Donders Centre for **Neuroscience** (DCN, Faculty of Science)

Donders Community for **Medical Neuroscience** (DCMN, Medical Faculty and RadboudUMC)

Center for Language Studies (CLS, Faculty of Arts)

Max Planck Institute for Psycholinguistics (MPI)

Scientific organization structure

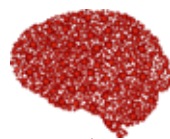
Language and
Communication



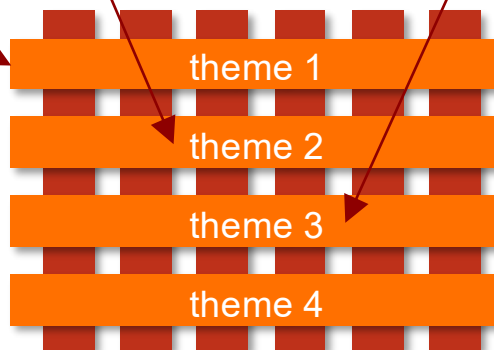
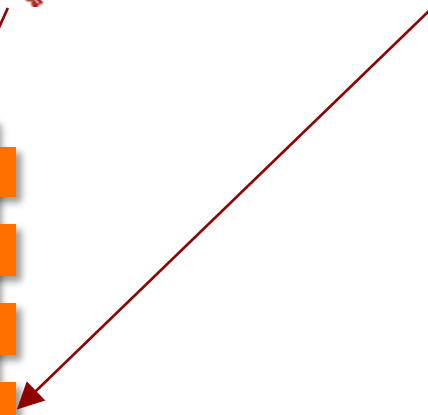
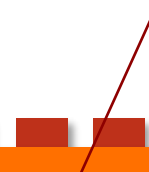
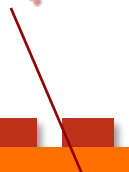
Perception, Action
and Control



Plasticity and
Memory



Natural computing and
Neurotechnology



Donders Centre for Cognitive Neuroimaging (DCCN)

Research facilities





Advanced MEG/OPM toolkit

Outline of the week

GMT+02	12	13	14	15	16
09:00	registration, 09:00	MEG lab demo 09:00 – 10:30	morning work-out, 09:00	morning work-out, 09:00	morning work-out, 09:00
10:00	welcome, 09:30		infant EEG and MEG lecture 09:30 – 11:00	helmet design lecture 09:30 – 11:00	Open science 09:30 – 11:00
11:00	intro lecture 10:00 – 11:00	denoising hands-on 10:45 – 12:30			
12:00	preprocessing hands-on 11:15 – 12:30		sure reconstruction lecture 11:15 – 12:30	helmet design hands-on 11:15 – 12:30	playground 11:15 – 12:30
13:00					
14:00	preprocessing hands-on (continuation) 13:30 – 14:30	coregistration lecture 13:30 – 14:45	source reconstruction hands-on 13:30 – 15:45	statistics lecture 13:30 – 14:30	playground 13:30 – 15:30
15:00	denoising lecture 14:30 – 15:45	coregistration hands-on 14:45 – 15:45		statistics hands-on 14:30 – 16:30	
16:00	playground 16:00 – 17:30	coregistration hands-on (continuation) 16:00 – 17:00	playground 16:00 – 17:30		evaluation, 15:45
17:00				playground 16:30 – 17:30	
18:00					
19:00		dinner and drinks 18:30 – 22:00			
20:00					

Advanced MEG/OPM toolkit



Personal introductions