
fMRI and DTI: From Research to Clinical Practice

Date: March 13th – 14th 2012

Location: University of Bergen, Bergen, Norway

Organizers: Bergen fMRI group, University of Bergen and NordicNeuroLab AS

DAY 1

09:00	Welcome and presentation of organizers	Professor Kenneth Hugdahl (University of Bergen, Norway)
09:15	Functional neuroimaging in a historic perspective	Professor Kenneth Hugdahl, (University of Bergen, Norway)
09:45	Break with coffee and cake/fruit	
10:00	Introduction to fMRI and DTI	Associate professor Renate Grüner (University of Bergen, Norway)
11:00	Break	
11:15	Invited speaker – Diffusion tractography: Research and clinical applications	Professor Marco Catani (Head of the Natbrainlab, King's College, UK)
12:15	Lunch	
13:15	Invited speaker – fMRI: Research and clinical applications	Assistant professor Johan Eriksson (Umeå University, Sweden)
14:15	Break with coffee	
14:30	fMRI paradigms	Professor Karsten Specht (University of Bergen, Norway)
15:15	fMRI in the clinic – how to do it?	Radiographer Anne-Hilde Farstad (Oslo University Hospital, Norway)
15:45	Break with coffee and fruit/cake	
16:00	Walk to MR	
16:05	Divide into groups part 1	
16:55	Break / walk to MR	
17:10	Divide into groups part 2	
18:00	End of program day 1	
19:30	Dinner	



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DAY 2

09:00	Invited speaker – Pre-surgical planning using fMRI and DTI	Section head and associate professor Srinivasan Mukundan (Brigham and Women's Hospital and Harvard Medical School, US)
10:00	Break with coffee	
10:15	Post-processing of fMRI data and potential pitfalls in fMRI	Professor Karsten Specht (University of Bergen, Norway)
11:15	Break with coffee and fruit/cake	
11:30	Postprocessing of DTI and beyond the diffusion tensor models	Application specialist Marte Thuen (NordicNeuroLab, Norway)
12:00	Independent component analysis and resting state fMRI	Professor Tom Eichele (University of Bergen, Norway)
13:00	Lunch	
14:00	The nnl story	Professor Kenneth Hugdahl (University of Bergen, Norway)
14:30	The nnl products	Sales executive Thomas Lie Omdahl (NordicNeuroLab, Norway)
15:00	Break with coffee and fruit/cake / walk to MR	
15:10	Divide into groups part 3	
16:00	Break / walk to MR	
16:10	Divide into groups part 4	
17:00	Final comments	
17:10	End of program day 2	

Group sessions:

Participants are divided into four groups, and will visit all four group sessions

- Group session 1: Live fMRI and DTI scanning at GE 3T
- Group session 2: Demonstration of neuronavigation by Stryker
- Group session 3: How to do the fMRI and DTI data analysis (nnl software solutions)
- Group session 4: How to set up a paradigm (nordicAktiva, ePrime, presentation)



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