

Bergen fMRI Spring Course 2009:

Exploring White Matter with Diffusion-Tensor Imaging

Bergen, Norway

March 30-31 2009

An introductory course on the use of diffusion-tensor imaging (DTI) in basic and clinical research will be presented by leading experts in the field. Participants will get an overview concerning methodological prerequisites and state-of-the-art analysis of DTI data, including white matter tractography techniques in a hands-on workshop on the second day. Participants are also invited to present and discuss their own research or plans for DTI studies in a poster session.

Exploring White Matter with DTI is a two days course arranged by the Bergen fMRI Group concerning the use of DTI to study brain white matter architecture. The course intends to give a broad introductory overview of the background and methods used to acquire and analyse DTI data, and the use of DTI in understanding brain maturation and white matter connectivity. The course will specifically address white matter tractography techniques, i.e. deterministic and probabilistic fibre tracking, and present recent DTI findings in basic and clinical research. On the second day there will be a hands-on workshop in which the participants will learn how to virtually dissect white matter pathways using the TrackVis software.

Keynote speakers:

Dr. Marco Catani, Head of the Natbrainlab, UK (www.natbrainlab.com), Institute of Psychiatry, King's College London, and Consultant Psychiatrist at the Maudsley Hospital, London, UK.

Prof. Derek Jones, Director of MRI at the Cardiff University Brain Research Imaging Centre, Wales, UK.

Information, program and registration:

<http://fmri.uib.no/?p=37>

Registration deadline:

March 13, 2009

