Advanced techniques in brain MRI

Organizers: Dimitri van de Ville (EPFL/HUG) and Patrik Vuilleumier (UNIGE)

1.5 ECTS

Course sessions will be divided into a theoretical tutorial, research result examples, and practical hands-on demos for the analysis of data

Location: Campus Biotech (room to specify)

Time: all half-day sessions from 9:00 am to 1:00 pm

Topics and dates:

- Monday April 30 - Matteo Bastiani (Oxford): Structural connectivity and tractography
- Wednesday May 9 - Giulia Preti (EPFL): Dynamic functional connectivity
- Monday May 14 - Valerio Zerbi (ETH Zurich): MRI in small animal models
- Wednesday May 16 - Sven Collette (UNIGE): Model-based fMRI
- Monday May 28 - Daniele Marinazzo (Ghent): Effective connectivity with DCM and granger causality
- Friday June 1 - John-Dylan Haynes (Berlin): Multivariate and decoding methods

Credit requirements

Active participation & tbd

Registration

Register before April, 2018 by writing a mail to lndscourses@gmail.com (with your supervisor in copy) and stating the course title as subject.