

Marie Curie Neurophysics Training Programme
Special Workshop 14 Jan 2014, 9am- 4:30 pm
Hammersmith Hospital London UK
“Skeptical Neuroimaging”

Convenors: Prof. Paul Matthews (GSK/Imperial College London), Dr. Phil Murphy (GSK), Prof. Tom Nichols (Warwick)

This small workshop will consider major confounds to developing robust functional MRI analyses. General problems will be reviewed, along with meta-analytic approaches and the emerging future of data sharing. See program of speakers below.

Contact: Ms. Sally Rennick for details, registration (s.rennick@imperial.ac.uk)

Program

9:00 – 9:30	Welcome & Overview of reproducibility in neuroimaging research <i>Paul Matthews, GSK & Imperial College</i>
9:30 – 10:15	Overcoming confounds and improving the interpretability of connectivity analyses <i>Eugene Duff, Oxford</i>
10:15 – 11:00	Introduction & comparative review of neuroimaging meta-analysis methods <i>Joaquim Radua, IoP/Kings</i>
11:00 – 11:30	<i>Coffee break</i>
11:30 – 12:15	Advanced spatial Bayesian models for meta-analysis and reverse inference <i>Thomas Nichols, University of Warwick</i>
12:15 – 13:00	Neuroinformatic techniques for provenance & data sharing <i>Camille Maumet, University of Warwick</i>
13:00 – 13:45	<i>Lunch</i>
13:45 – 14:15	Neurovault and the vision for data sharing in neuroimaging <i>Chris Gorgolewski, Leipzig</i>
14:15 – 14:45	Advances in Activation Likelihood Estimation Meta-Analysis <i>Danilo Bzdok, Jülich</i>
14:45 – 16:00	Panel discussion: Making neuroimaging research more reproducible and data sharing common place. John Ashburner, UCL (SPM) Eugene Duff, Oxford (FSL) Danilo Bzdok, Jülich (ALE/GingerALE) Chris Gorgolewski, Leipzig (Neurovault) Joaquim Radua, IoP/Kings (SDM)
16:00 – 16:30	Wrap up and actions <i>Paul Matthews (GSK/Imperial College London), Dr. Phil Murphy (GSK), Thomas Nichols (Warwick)</i>