MEG Masterclass
2-4pm Thursdays (in Methods Group slots)

Session 1. Pre-processing **PRACTICAL** **12th Feb**

- Importing
- Split FIF
- Triggers
- Epoching / Resynching
- Filtering
- Artefact rejection
- Contrasts
- Grand averaging
- Topographies / Line plots

Session 2. 3D sensor SPMs **PRACTICAL** **19th Feb**

- Generating the files
- Computing the ANOVA
- Interpreting the results

Session 3. RMS then Contrast OR Contrast then RMS **THEORY** **26th Feb**

- For the gradiometer data should we compute contrasts first then take the RMS value or RMS first then the contrast?
- What are the statistical implications?

Session 4. ICA **THEORY / PRACTICAL** **5th March**

- THEORY How and why to use ICA to remove artefacts from your data
- PRACTICAL Implementing ICA analysis using spm_eeglab functions

**** Break for CNS****

Session 5. Source reconstruction – assumptions **THEORY** **2nd April**

- Forward Model
- Choice of Inverse Solution
- Associated Parameters

Session 6. Source solutions **PRACTICAL** **16th April**

- Importing MRI
- Segmentation
- Co-registration
- Forward model computation
- Inverse solution

Session 7. Interpretation of source solutions **PRACTICAL** **30th April**