



Edinburgh SPM Course 2011 11th-14th April



This four-day course (11th – 14th April, 2011) offers comprehensive coverage of all MRI-related aspects of SPM. Days 1 and 2 are aimed at beginners with little or no SPM experience, and will cover all the basic analysis steps from spatial preprocessing to statistical analysis with the General Linear Model and data visualization and presentation. We offer practical sessions with 1 computer per participant and lots of time to learn how to use SPM. Days 3 and 4 are aimed at a more advanced audience, with topics ranging from new Bayesian analysis methods and multivariate pattern classification and effective connectivity analysis to SPM programming and integration using Nipype. Both parts of the course can be booked separately or as a whole.

Venue: George Square, Edinburgh, Scotland, UK.

Confirmed faculty: John Ashburner, Jean Daunizeau, Alexa Morcom, Jonathan Peelle, Cyril Pernet, Mohamed Seghier, Thomas Wolbers

More information and registration @ http://www.sinapse.ac.uk/SPM/spm_course_home.html

Monday, 11 th April	Tuesday, 12 th April	Wednesday, 13 th April	Tuesday, 14 th April
<p><i>Lectures:</i></p> <ul style="list-style-type: none"> - Preprocessing of fMRI data - General Linear Model - Model estimation 	<p><i>Lectures:</i></p> <ul style="list-style-type: none"> - Statistical Inference - Random effects analysis - Multiple comparisons - Data Visualisation - Experimental Design 	<p><i>Lectures:</i></p> <ul style="list-style-type: none"> - Bayesian inference - Multivariate Bayes - Connectivity analyses - Dynamic Causal Modelling 	<p><i>Lectures:</i></p> <ul style="list-style-type: none"> - Advanced experimental designs - Covariance components - Pattern classification - Deformation-/Voxel-based Morphometry
<p><i>Practical:</i></p> <p>Data pre-processing</p>	<p><i>Practical:</i></p> <p>Statistical analyses</p>	<p><i>Workshop:</i> Advanced design, VBM, DCM, MVPA, Bayesian inference, SPM Programming, Integration with Nipype, etc</p>	<p><i>Workshop:</i> Advanced design, VBM, DCM, MVPA, Bayesian inference, SPM Programming, Integration with Nipype, etc</p>

Organisers: Alexa Morcom, Cyril Pernet and Thomas Wolbers