MEG UK York 2016
March 21 - 23

Monday 21st March (Workshop)

12:30 Registration and Coffee
13:00 Measurement of amplitude envelope based functional connectivity using MEG
Matt Brookes
13:50 The quest for the MEG connectome
Glorios Michalareas
14:40 Coffee
15:00 Information theoretic causal measures
Robin Ince
15:50 Static and Fast Dynamic Functional Brain Networks
Mark Woolrich
16:40 Dynamic causal modelling and predictive coding
Karl Friston
## Tuesday 22nd March

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:00</td>
<td>Registration and Coffee</td>
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<tr>
<td>10:45</td>
<td>Welcome</td>
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| 11:00 | **Plenary:** Some new challenges for MEG  
*Gareth Barnes* |
| 12:00 | **Site 1:** Cambridge |
| 12:45 | Lunch and posters |
| 13:45 | **Site 2:** UCL |
| 14:30 | **Site 3:** Oxford |
| 15:15 | Coffee |
| 15:45 | **Site 4:** Glasgow |
| 16:30 | **Short talks A**  
1. The visual gamma response to faces reflects the presence of sensory evidence, but no evidence it relates to awareness of the stimulus  
*Gavin Perry*  
Cardiff  
2. Convergent evidence for hierarchical prediction networks from human invasive electrophysiology and MEG  
*Holly Phillips*  
Cambridge  
3. Reduced Vis-Gamma in Multiple Sclerosis Patients  
*Eleanor Baratt*  
Nottingham  
4. Investigating oscillatory signatures of sub-clinical obsessive compulsive disorder during an episodic working memory task  
*Gerard Gooding-Williams*  
Aston  
5. Stimulus predictability dynamically modulates neural gain in the auditory processing stream  
*Ryszard Auksztulewicz*  
Oxford  
6. Imaging neuronal depolarization in the brain with Magnetic Detection Impedance Tomography  
*Rabeya Ferdousy*  
UCL  
7. Dissociating lateralised cortical and thalamic sources using high-resolution MEG  
*Sheena Waters*  
UCL |
| 17:30 | Close |
| 18:30 | Buses to National Railway Museum for dinner |

## Wednesday 23rd March

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>09:00</td>
<td>Business Meeting</td>
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| 09:30 | **Plenary:** MEG Forward and Inverse source Imaging techniques and their applications to Traumatic Brain Injury and Post-traumatic Stress Disorder  
*Mingxiong Huang* |
| 10:30 | **Site 5:** Aston |
| 11:15 | Coffee |
| 11:45 | **Site 6:** Nottingham |
| 12:30 | Lunch and Posters |
| 13:30 | **Site 7:** Cardiff |
| 14:15 | **Site 8:** Ulster |
| 15:00 | Coffee |
| 15:30 | **Short talks B**  
1. Very Early Evoked Responses to Colour Stimuli  
*Yoshihito Shigihara*  
UCL  
2. Oscillatory coupling during response inhibition in health and frontotemporal dementia  
*Laura Hughes*  
Cambridge  
3. Information content of functional connectomes derived from MEG  
*Mark Drakesmith*  
Cardiff  
4. Flexible head casts for high spatial precision  
*Sofie Meyer*  
UCL  
5. Investigating Dynamic Network Behaviour in Task Data  
*George O’Neill*  
Nottingham  
6. “Born this way:” The influence of genetics on the connectivity of human brain activity  
*Giles Colclough*  
Cambridge  
7. Network-level interactions that control auditory cortical entrainment to speech  
*Anne Keitel*  
Glasgow |
| 16:30 | **Site 9:** York |
| 17:15 | Wrap up |
| 17:30 | Close |