



ISMRM British Chapter Annual Postgraduate Meeting

at GlaxoSmithKline, Bioscience Park, Stevenage
24th April 2015

For further information contact:
ISMRMpostgraduateconference2015@gsk.com

Agenda

8.30 Registration, Poster, Sponsor setup with Breakfast- *Function Area & Ash Elm Room*
9.30 Welcome – *Lecture Theatre*

9.40

Session 1

1. **Laurence Jackson (UCL):** *MRI visible bioscaffold for stem cell-mediated repair and improved cardiac function. [Abst 24]*
2. **Tobias C Wood (KCL):** *High-Resolution, whole brain Imaging of Demyelination in the Cuprizone Mouse. [Abst 39]*
3. **Catherine Foster (CUBRIC):** *Relationship between VO2 Peak, Cerebrovascular Function and Cognition. [Abst 06]*
4. **Jed Wingrove (UCL):** *Assessment of Experimental Stroke Lesion Size Using 1T Benchtop MRI. [Abst 21]*
5. **Charlie J Daniels (Cambridge):** *Quantitative analysis for hyperpolarised ¹³C-pyruvate imaging: comparison of methods on a clinical system. [Abst 07]*
6. **Arun Niranjana (UCL):** *Mapping the Visual Pathway in the Mouse Brain using Snapshot fMRI. [Abst 03]*
7. **Benjamin Tandler (Nottingham):** *Measuring variation in white matter microstructure using gradient echo imaging at 7T. [Abst 05]*
8. **Eoin Finnerty (UCL):** *Characterising liver haemodynamics with Quantitative Susceptibility Mapping. [Abst 11]*

11.00 Refreshments, Poster & Sponsor viewing - *Function Area & Ash Elm Room*

11.20

Session 2

1. **Christopher Bennett (Birmingham):** *Discrimination of Medulloblastoma and Ependymoma using HR MAS of ex vivo brain tumour tissue. [Abst 08]*
2. **Da Ma (UCL):** *Sublayer thickness estimation of mouse cerebellar grey matter. [Abst 09]*
3. **Hannah Furby (CUBRIC):** *Investigating the effect of cardiorespiratory fitness on cerebrovascular reactivity using breath-hold fMRI. [Abst 15]*
4. **Jack Miller (Oxford):** *Robust, high resolution three-dimensional hyperpolarised metabolic imaging of the rat heart at 7 T with 3D spectral-spatial EPI. [Abst 17]*
5. **Emma Dixon (UCL):** *Optimising MRI magnetic susceptibility mapping with a view to creating PET-MR attenuation maps. [Abst 13]*
6. **Joshua Kaggie (Cambridge):** *[Abst 22]*
7. **Marco Battiston (UCL):** *Optimisation of Magnetisation Transfer Ratio sequence acquisition parameters: application to the spinal cord. [Abst 26]*
8. **Mark Mikklesen (CUBRIC):** *Endogenous GABA Concentration Predicts Individual Differences in Haemodynamic Contrast Tuning. [Abst 28]*

12.40 Lunch – Vouchers issued upon arrival for *Restaurant, Waterside and The Nucleus*

13.40

Session 3

1. **Mary Neal (Newcastle):** *Imaging human lung ventilation by 19F MRI of inhaled perfluoropropane. [Abst 29]*
2. **Ian Harrison (UCL):** *Glymphatic Clearance Impaired in a Mouse Model of Tauopathy: Captured Using Contrast-Enhanced MRI. [Abst 16]*
3. **Simrandip Kaur Gill (Birmingham):** *Metabolism as a predictor of survival in children's brain tumours. [Abst 37]*
4. **Jack Wells (UCL):** *Spatial Correlations of Neurovascular Coupling Studied using Single Pulse Opto-fMRI. [Abst 18]*
5. **Merlin Fair (Imperial):** *An improved dynamic parallel imaging coil calibration method robust to respiratory motion with applications to first-pass contrast-enhanced myocardial perfusion imaging. [Abst 30]*
6. **Robert Wesphal (KCL):** *Voxel-based morphometry and resting-state fMRI reveal brain pathology in the 6-OHDA rat model of Parkinsons disease. [Abst 36]*
7. **Yanan Zhu (UCL):** *Assessment of response to proteasome inhibitor treatment in mouse colorectal tumour models using amide proton transfer (APT) imaging. [Abst 42]*

15.00 Poster & Sponsor viewing with refreshments - *Function Area & Ash Elm Room*

16.30 Prizes & Closing Remarks – *Lecture Theatre*

17.00 End of Meeting

17.30 Farewell Finger buffet – *The Nucleus.*