Programme

9.45 – 10.15  Registration, Tea and Coffee

Ground Floor, IoP main building

10.15 – 10.20  Welcome

Prof Steve C. R. Williams, Dr Po-Wah So (IoP, KCL)

Wolfson Lecture Theatre, IoP Main building

Session 1 – Neuroimaging I

10.20 – 10.32  An uniquely human direct pathway connects frontal and occipital lobes (68/100)

Stephanie Forkel (IoP, KCL)

10.32 – 10.44  A true isotropic resolution acquisition for DTI

Joan Chick (IoP, KCL)

10.44 – 10.56  Correspondence between in vivo axonal diameter and cortical connectivity of the corpus callosum

Flavio Dell’Acqua (IoP, KCL)

10.56 – 11.08  Magnetization transfer (MT) and endogenous chemical exchange saturation transfer (CEST) effects in patients with clinically isolated syndrome

Ali Al-Radaideh (Sir Peter Mansfield Resonance Centre, University of Nottingham)

11.08 – 11.20  Optimizing MRI data acquisition for FreeSurfer and VBM analyses in multi-centre studies

Sima Chalavi (IoP, KCL)

11.20 – 11.32  Comparison of multicomponent DESPOT to DTI, is there extra information in the myelin water fraction.

Sonya Bells (CUBRIC, Cardiff University)

11.32 – noon  Tea Break and Posters numbers

Wolfson Lecture Theatre

Session 2 – MRS, Traveling Wave and DCE-MRI

Noon – 12.12  Localisation and visualization of MRS results on MR images

Yu Sun (Birmingham Children’s Hospital NHS Foundation Trust and Cancer Sciences, Birmingham University)
12.12 – 12.24  Investigation of metabolic changes in human visual cortex during neuronal activity using functional $^1$H MRS at 7T
Yan Lin (Sir Peter Mansfield Resonance Centre, University of Nottingham)

12.24 – 12.36  A comparison of two motion compensation methods in abdominal 1H spectroscopy
Michael Germuska, (ICR)

12.36 – 12.48  A simple approach for the fast classification of brain tumours using MRS and LC Model
Felix. Raschke (Division of Cardiac and Vascular Sciences, St George’s, University of London)

12.48 – 13.00  Travelling wave antennas and waveguide
Amany Alsuraihi (Sir Peter Mansfield Resonance Centre, University of Nottingham)

13.00 – 13.12  Influence of k-space acquisition schemes on the accuracy of pharmacokinetic Modeling of DCE-MRI
Ina Kompan (Division of Imaging Sciences, KCL)

13.12 – 14.20  Lunch
Seminar Rooms 1 and 2, Ground Flr

Session 3 – Non-neuroimaging

14.20 – 14.32  Novel hybrid real-time phase-contrast sequence
Jennifer Steeden, (CMIC, UCL)

14.32 – 14.44  Quantitative magnetization transfer in in vivo healthy human skeletal muscle at 3T
Chris Sinclair (MRC centre for neuromuscular Diseases, The National Hospital for Neurology and Neurosurgery, Dept of Brain Repair and Rehabilitation; UCL)

14.44 – 14.56  CardioVis:
Andrea Protti (KCL)

14.56 – 15.08  MRI characterization of cardiac tissue scaffold materials in vitro and in vivo
Daniel Stuckey (National Heart and Lung Hospital, ICL)

15.08 – 15.20  Tract specific CSD calibration for facial muscle tractography
Greg Parker (CUBRIC, Cardiff University)

15.20 – 15.32  Implementation and analysis of ASL myocardial perfusion quantification
Adrienne Campbell (CABI, UCL)

15.32 – 16.00  Tea Break and Posters (numbers ?? - ??)
Wolfson Lecture Theatre
**Session 4 – Neuroimaging II**

16.00 – 16.12 Dopamine D3 receptor availability explains orbitofrontal connectivity with cognitive networks  
*David Cole (GSK, ICL)*

16.12 – 16.24 Structural abnormalities in the left perisylvian pathways correlate with language deficits in autism  
*Sanja Budisavljevic (IoP, KCL)*

16.24 – 16.36 Discriminating atomoxetine from methylphenidate in working memory networks  
*Andre Marquand (IoP, KCL)*

16.36 – 16.48 Associations between thyroid hormone transporter gene variants and grey matter volume changes in healthy controls and patients with major depressive disorder  
*Luanna Dixson (GSK, ICL)*

16.48 – 17.00 Anatomy of the fronto parietal pathways correlates with the symmetrical processing of visual scenes  
*Michael Thiebaut de Schotten, (IoP, KCL)*

17.00 – 17.12 Anaesthetic interactions in the pHMRI response to acute ketamine challenge  
*Duncan Hodkinson (Imaging Science and Biomedical Engineering, University of Manchester)*

17.12 – 17.24 Establishing patterns of parenchymal perfusion following administration of a potent vasodilator  
*Nyssa Craig (Academic Unit of Radiology, Sheffield University)*

**17.24 – 17.30 Closing Remarks**  
*Prof Steve C. R Williams (IoP, KCL)*

**17.30 - 21.00 Drinks Reception**
Abstracts

Oral Presentations, pp

Poster Presentations, pp
  Odd numbers presented at 11.32 – noon
  Even numbers presented at 15.26 – 15.50