

Advances in Clinical Neuroimaging

Cardiff 17-18 November 2011

Lecture Theatre 4, University Hospital of Wales

Research Development Group Neuroimaging of MHRN-C and Neurodem
NISCHR Infrastructure Support Group Medical Image Analysis and Visualisation
NISCHR Biomedical Research Unit in Advanced Medical Imaging and Visualisation

Organisers: Stephen Daniels and David Linden, Cardiff University

Day 1 – Thursday 17th November 2011

Imaging Methods

10:00 am	Reyer Zwiggelaar (Aberystwyth)	New Networks for Clinical Imaging Research
10:20 am	David Linden (CUBRIC / MRC CNGG Cardiff)	Challenges in Clinical Neuroimaging Research
10:40 am	Xianghua (Jason) Xie (Swansea)	Medical Image Processing
11:20 am		Coffee
11:40 am	Neil Mac Parthalain (Aberystwyth)	Data Analysis Techniques
12:20 pm	Ziming Zeng	Segmenting Brain Images
13:00 pm		Lunch

PET – Principles and Clinical Applications

14:00 pm	Stephen Daniels (PETIC Cardiff)	Introduction to PET
14:40 pm	Franklin Aigbirhio (Cambridge)	PET neurochemistry
15:20 pm	Alex Gerhard (Manchester)	FDG Imaging in Degenerative Disease and Microglia Imaging
16:00 pm		Coffee
16:20 pm	David Brooks (Imperial College, London)	Imaging Alzheimer's Disease
17:00 pm	Khalid Hamandi (CUBRIC Cardiff)	PET in Epilepsy
17:40 pm	Bruno Millet (Rennes)	PET and Deep-Brain-Stimulation in Mental Disorders
18:20 pm		Concluding Discussion Day 1

Day 2 – Friday 18th November 2011

Metabolic Imaging with PET and MRI – from basic research to clinical applications

09:30 am	Paola Piccini (Imperial College, London)	Imaging Movement Disorders
10:10 am	Andrew Lawrence (School of Psychology, Cardiff)	PET, motivation and addiction
10:50 am	Richard Wise (CUBRIC, Cardiff)	Quantitative FMRI methods for studying cerebrovascular function
11:30 am		Coffee / Lunch
12:00 pm	Krish Singh (CUBRIC, Cardiff)	Introduction to MEG
12:40 pm	Derek Jones (CUBRIC, Cardiff)	Tractometry
13:20 pm	Vincenzo Crunelli (School of Biosciences, Cardiff)	Animal Models of Neurological and Psychiatric Disorders

14:00 pm

General Discussion: The Future of Clinical Imaging in Wales

14:30 pm

Close

Registration Information

Delegates:

Please confirm your attendance to

Miranda Turton
Department of Psychological Medicine & Neurology
Cardiff University School of Medicine
Henry Wellcome Building
Heath Park
Cardiff CF14 4XN
Email address: TurtonM6@cf.ac.uk
Telephone: +44 029 20 687 064, ext. 87064

Please also let Miranda know if you need accommodation.

Please make your own travel arrangements. We will cover 2nd class rail travel and have reimbursement forms ready at the venue. We have some funds to cover accommodation as well.