

Programme: 2016 SINAPSE Annual Scientific Meeting

09.30	Registration and Coffee		
10.00	Welcome	Professor David Donaldson, University of Stirling	
10.05	Update on SINAPSE	Professor Dave Wyper, SINAPSE CEO	
	Session 1		
10.10	<i>Feedback signals from the local surround are combined with feedforward information in human V1</i>	Miss Yulia Revina, University of Glasgow	Proffered (O1)
10.25	<i>Neural correlates of cognitive and behavioural impairments in behavioural variant of frontotemporal dementia: A voxel based morphometry analysis</i>	Dr Vesna Vuksanovic, University of Aberdeen	Proffered (O2)
10.40	<i>Using Transcranial Magnetic Stimulation (TMS) to identify acute brain changes following sub-concussive head impact</i>	Mr Thomas Di Virgilio, University of Stirling	Proffered (O3)
10.55	Lightning talks for selected Poster Session 1 presentations		
11.10	Poster Session 1 and Morning Tea Break		
	Session 2		
11.40	<i>Dynamics of schema effects on episodic memory before and after intensive learning</i>	Dr Yee Lee Shing, University of Stirling	Proffered (O4)
11.55	<i>Fame affects face processing: Event-Related Potential evidence that recollection differs for famous and unknown faces</i>	Dr Graham MacKenzie, University of Stirling	Proffered (O5)
12.10	<i>Future directions in Neuroimaging: Mobile Cognition</i>	Mr Simon Ladouce, University of Stirling	Proffered (O6)
12.25	<i>Distinguishing components of remembering: Insights from neuroimaging and neuropsychology</i>	Dr Jon Simons, University of Cambridge	Keynote
13.10	Lunch including exhibition and networking		
	Session 3		
14.00	<i>Report on Taiwan visit and diffusion MR image analysis collaboration</i>	Dr Gordon Waiter, University of Aberdeen	Invited
14.15	<i>Metric to quantitatively assess white matter damage from brain magnetic resonance images</i>	Dr Maria Valdés Hernández, University of Edinburgh	Proffered (O7)
14.30	<i>Hardware accelerated segmentation of CT images for adaptive radiotherapy</i>	Mr Fraser Robinson, University of Strathclyde	Proffered (O8)
14.45	<i>A statistical framework for neuroimaging data analysis based on mutual information estimated via a Gaussian copula</i>	Dr Robin Ince, University of Glasgow	Proffered (O9)
15.00	Lightning talks for selected Poster Session 2 presentations		
15.15	Poster Session 2 and Afternoon Tea Break		
	Session 4		
15.45	<i>The Hype about Hyper Signals</i>	Miss Laura Young, University of Dundee	Proffered (O10)
16.00	<i>Manganese enhanced MRI of the healthy rat myocardium: A comparison of two clinical-grade manganese based contrast agents</i>	Dr Maurits Jansen, University of Edinburgh	Proffered (O11)
16.15	<i>Detection of ischaemic heart disease with myocardial texture analysis on routine noncontrast cardiac MRI sequences</i>	Dr Piotr Talarczyk, NHS Tayside	Proffered (O12)
16.30	<i>Optical coherence tomography of the retina, providing new insights into neurodegenerative disease</i>	Dr James Cameron, University of Edinburgh	Proffered (O13)
16.45	Announcements and prizes		
17.00	Close		

Poster Session 1 (11.10-11.40)

Poster No.	Title	Presenting Author
A1*	A New Solid Phase Radioiodination Method for the Preparation of SPECT Imaging Agents	Nikki Sloan
A2	New PET and SPECT imaging agents for monocarboxylate transporters 1 and 2	Kerry O'Rourke
A3	New Selective PET Imaging Agents for the Sphingosine-1-Phosphate Receptors: Novel Biomarkers for Multiple Sclerosis Drug Discovery	Tim Morgan
A4*	A novel angiogenesis PET radiotracer for quantifying $\alpha\beta3$ integrin expression and assessing response to therapy	Alexandra Andriu
A5	Evaluation of the effects of different microCT parameters on microPET/CT imaging	Wendy McDougald
A6	Optical detection of matrix metalloproteinases and thrombin in pulmonary fibroproliferative disease using optical endomicroscopy in the distal lung.	Bethany Mills
A7*	Detection of microcalcification in atherosclerotic plaques using optical imaging	Alisia Sim
A8	Investigating the bile duct cancer cholangiocarcinoma using Raman spectroscopy	Katie Ember
A9	Morphological and haemodynamical changes on arteriovenous fistula image-based models. An MRI Follow-Up Study	Nicolas Aristokleous
A10	MRI evaluation of epicardial adipose tissue in patients with cardio-metabolic disease: Potential pathophysiological links with inflammation and vascular dysfunction	Shaween Al-Talabany
A11	Detection of MRI myocardial texture changes in cardiovascular disease	Piotr Talarczyk
A12	Proactive Control of Recollection in Young and Older Adults	Alexa M. Morcom
A13*	Neural Connectivity and Fatigue	Julia Scheel
A14	Structural brain changes in fatigued Rheumatoid Arthritis patients: A discriminative classifier of MRI data	Maria Goñi
A15*	Comparison of NeuroImaging MRI Data Pre and Post Scanner Upgrade	Aaron Daubney
A16	Assessment of Left Ventricular (LV) and Right Ventricular (RV) Volumes and Function using cine Steady-State Free Precession (SSFP) sequences on a Cohort of Healthy Volunteers before and after MRI scanner upgrade	Stephen Nicholas
A17	Validation and Accuracy of Myocardial T1 Mapping at 3T in Phantoms and Healthy Volunteers	Stephen Nicholas
A18*	Assessment of the effects of technique on pulmonary arterial pulse wave velocity measurement	Jonathan Weir-McCall
A19	Medic sequence as a non-contrast alternative in the assessment of the cephalic, basilic veins and the brachial artery	Conor MacDonald
A20	Calibration of a Fast Field-Cycling NMR Relaxometer for Measurements on Biological Samples that Extend to Ultra-Low Magnetic Fields	Vasileios Zampetoulas
A21	A Q-switch system for an MRI RF coil operating at 2.5 MHz	Nicholas R. Payne
A22	T2 map reconstruction from undersampled data using model based compressed sensing	Wajiha Bano
A23	Segmentation of infarct on structural MRI data in rodent models of stroke using a semi-automated tool	Xenios Milidonis

**Included in round of 'lightning talks' at 10.55*

Poster Session 2 (15.15-15.45)

Poster No.	Title	Presenting Author
P1	Functional neuroimaging of visual creativity: A systematic review and meta-analysis	Laura M. Pidgeon
P2*	Cortical pattern separation and item-specific encoding	Laura M. Pidgeon
P3	Investigating the relationship between subclinical inflammation and longitudinal white matter hyperintensity change in the Aberdeen 1936 Birth Cohort	Chris McNeil
P4	Associations between Activities of Daily Living, Cognition and Neuroanatomy in Alzheimer's Disease and Mild Cognitive Impairment	Xanthippi Gounari
P5*	The Neural Mechanism Supporting Post-Retrieval Monitoring is Sensitive to the Precision of Recollection	Jamie G. Murray
P6	Sex differences in resting state fMRI brain fuzzy entropy	Clarisse de Vries
P7	Using Multi-Voxel Pattern Analysis to classify the Motor Imagery of complex arm movements.	Salim Al-Wasity
P8*	Interactive Dynamics of visual field sensitivity and task encoding in MEG data.	Nicola van Rijsbergen
P9	The effect of alcohol on neocortical functioning: Single cell recordings from somatosensory and prelimbic cortex of mice	Benjamin Dering
P10	Medical image management for multicentre trials. Experience from the Third International Stroke Trial (IST-3) with 6576 scans	Eleni Sakka
P11*	A brain imaging repository of normal subjects across the life course: Brain Images of Normal Subjects (BRAINS)	Dominic E. Job
P12	The Brain Images of Normal Subjects (BRAINS) Imagebank for data sharing and reference atlases	Dominic E. Job
P13	Facilitating the use of imaging data repository for hypothesis testing: a tool for creating and querying imaging-data	Samuel Danso
P14	A Tool For Gyral Ground Truth Measurements	Shadia Mikhael
P15	Considerations on accuracy, pattern and possible underlying factors of progression of microbleeds on older adults	Maria Valdés Hernández
P16	Automatizing the visual rating of perivascular spaces in brain MRI using bag of visual words and support vector machines	Víctor González-Castro
P17	Application of the ordered logit model to optimising Frangi filter parameters for segmentation of perivascular spaces	Lucia Ballerini
P18	Automatic Generation of Synthetic Retinal Fundus Images: Vascular Network	Lucia Ballerini
P19*	Multi-modal retinal scanning for diagnostic and therapeutic biomarker discovery in Multiple Sclerosis	Thomas Pearson
P20	Automated arterial identification in vascular image analysis using whole-body magnetic resonance angiography	Lynne McCormick
P21	A Pre-Clinical Assessment of the Spiral Inducing Capacity of a New, Industry-Leading Stent	Catherine Brearley
P22	Quantitative Cone-Beam Computed Tomography	Jonathan Mason
P23*	Multi-Modal Imaging of Functionalised Human Thiel Embalmed Cadavers – A Clinical Model	Helen McLeod

**Included in round of 'lightning talks' at 15.00*