ISMRM | ANZ CHAPTER

19/11/2020 (AEDT)			ANZ ISMRM 2020 Virtual symposium (Nov 19, 2020 Canberra, Melbourne, Sydney Time)
10:00-10:10			President's welcome address
10:10-10:45		The University of Sydney	Keynote: Prof Fernando Calamante
30 min talk, 5 min Q&A			"Diffusion MRI fibre-tracking: such pretty pictures, so much potential"
Current Applications			**Oral presentations: 9min + 3min Q&A**
10:45-10:58	Claire Kelly	Murdoch Children's Research Institute	Longitudinal development of white matter fibre density and morphology in children born very preterm
10:58-11:10	Marilena DeMayo	The University of Sydney	Parietal GABA in children with Autism Spectrum Disorder and typically developing peers: distinct age-related changes
11:10-11:22	Simon Robinson	The University of Queensland	Simultaneous Multiple Resonance Frequency imaging (SMURF): Fat-water imaging using multi–band principles
11:22-11:34	Saskia Bollmann	Massachusetts General Hospital/University of Queensland	Geometrically accurate imaging of the pial arterial vasculature of the human brain in vivo using high-resolution non-contrast angiography at 7T
11:34-11:46	Atena Akbari	The University of Queensland	Modelling the Laminar VASO and BOLD Signal Change in Human V1 at 7T
			Sponsor presentation 15min + 5min Q&A
11:46 - 12:06	Dr Dallas Turley	Philips Health Care (GOLD SPONSER)	3D API
			Break
Machine Learning			**Oral presentations: 9min + 3min Q&A**
14:00-14:12	James Korte	The University of Melbourne	The impact of radiomic feature reproducibility on a head and neck cancer radiotherapy response model: a comparison of two common analysis packages
14:12-14:24	Fernanda Ribeiro	The University of Queensland	Predicting brain function from anatomy with geometric deep learning using high-resolution MRI data
14:24-14:36	Shahrokh Abbasi-rad	The University of Queensland	Investigating the robustness of convolutional neural network based B1+ prediction from localizer scans for SAR efficient 7T FLAIR imaging
14:36-14:48	Shahrzad Moinian	The University of Queensland	In vivo voxel-wise parcellation of the human cerebral cortex using 3D MR fingerprinting (MRF) and supervised machine learning classification
Future advances and applications			**Oral presentations: 9min + 3min Q&A**
14:48-15:00	Natalie Naude	Queensland University of Technology/Translational Research Institute	In vivo 2D COSY reveals metabolic and lipid variations between low and high BI RADS density breasts in an average breast cancer risk cohort of 65 women
15:00-15:12	David Waddington	The University of Sydney	High-sensitivity in vivo Contrast Agent Imaging at Ultra-low Magnetic Fields with SPIONs
Poster pitches			**Poster power pitch presentations: 3min**
15:15-15:18	Abdallah Z. Mohamed	The University of Queensland	Diffusion tensor imaging reveals persistent microstructural alterations up to six month in an open-head traumatic brain injury
15:18-15:21	Sirisha Tadimalla	The University of Sydney	A unified model for hepatobiliary transporter function assessment using Gadoxetate DCE-MRI
15:21-15:24	Simon Robinson	The University of Queensland	Rapid Opensource Minimum Spanning TreE AlgOrithm for Phase Unwrapping (ROMEO)
15:24-15:27	Ashley York	The University of Queensland	A cortical-depth-dependent analysis of fingertip maps in human somatosensory cortex measured at ultra-high field (7T)
15:27-15:30	Alexander Puckett	The University of Queensland	Probing human somatosensory cortex using ultra-high field (7T) fMRI and 3D-printed fractal textures
15:30-15:33	Shaeez Usman Abdulla	The University of Queensland	Generating CT Images From Multiple Echo Time 7 Tesla MR Data
15:33-15:36	Tonima Ali	The University of Queensland	Influence of White Matter fibre orientation on gradient-echo derived tissue parameters
15:36-15:39	Arian Lasocki	The University of Melbourne	Correlation of MRI signal characteristics of intracranial melanoma metastases with BRAF mutation status
15:39-15:42	Tom Shaw	The University of Queensland	A population-specific framework for the morphological analysis of Motor Neuron Disease using ultra-high field MRI
15:42-15:45	Oun Al-Iedani	University of Newcastle	Neurometabolic Mapping of RRMS patients using multi-slice Spiral-MRSI and support vector machine techniques
15:45-15:55			Poster Session Q & A
15:55-16:00			**Closing address and awards**