

ISMIRM ANZ National Chapter Meeting - Friday 06th December 2019

8:15am - 9:00am Registration open

9:00am - 9:15am Welcome address

Session 1: Structural and Functional Connectivity		Presenter	Affiliation	Moderator
9:15am - 9:45am	Keynote: Functional Connectivity - Overview	Alex Fornito	Monash University, Melbourne	Ruth Oliver - Macquarie University, Sydney
9:45am - 10:15am	Keynote: Structural Connectivity - Overview	Alan Connelly	The Florey Institute of Neurosciences & Mental Health, Melbourne	
10:15am - 10:35am	Methods for characterizing and removing large-scale structured signals from resting-state fMRI data	Kevin Aquino	Monash University, Melbourne	
10:35am - 10:55am	Structural MRI markers of neuroplasticity	Karen Caeyenberghs	Cognitive Neuroscience Unit of Deakin University	

Morning Tea 10:50am - 11:20am

Session 2: Advances in Imaging Biomarkers & Emerging Technologies

11:20pm - 11:50pm	Keynote: 4D MRI-guided Radiation Dosimetry on the Australian MRI-Linac	Yves De Deene	Macquarie University, Sydney	Kathryn Broadhouse - The University of the Sunshine Coast, Queensland
11:50am - 12:10pm	Sodium MRI - intricacies and opportunities of quadrupolar interactions	Yasmin Blunck	The University of Melbourne, Melbourne	
12:10pm - 12:30pm	Multi-echo QSM and the challenges with getting an inline QSM pipeline fit for the clinic	Ashley Stewart	University of Queensland, Brisbane	
12:30pm - 12:50pm	Quantifying human neuroinflammation using MR/PET	Ian Harding	Monash University, Melbourne	

Lunch 12:50pm - 13:45pm

Session 3: 7T and beyond

13:45pm - 14:15pm	Keynote: Human imaging at 7T: moving into the clinic	Simon Robinson	University of Queensland, Brisbane	Leigh Johnston - The University of Melbourne, Melbourne
14:15pm - 14:35pm	ASCI: Acquisition with Self Correction for Image Inhomogeneity at 7T	Ed Green	The University of Melbourne, Melbourne	
14:35pm - 14:55pm	UHF chemical exchange saturation transfer imaging in TBI	David Wright	Alfred Health - Monash University, Melbourne	
14:55pm - 15:15pm	Improving FLAIR SAR efficiency at 7T by adaptive tailoring of adiabatic pulse power using deep convolutional neural	Shahrokh Abbasi-Rad	University of Queensland, Brisbane	

Afternoon Tea 15:15pm - 15:45pm

Session 4: Applications of Neuroimaging

15:45pm - 16:05pm	Alterations on the resting-state functional connectome in post-traumatic stress disorder	Isabella Breukelaar	Westmead Institute, Sydney	Govinda Poudel - Australian Catholic University, Melbourne
16:05pm - 16:25pm	Dynamic causal network changes in obesity	Katharina Voigt	Monash University, Melbourne	
16:25pm - 16:45pm	Linking cognition and graph metrics: Investigating the structural connectome after brain injury	Phoebe Imms	Australian Catholic University, Melbourne	
16:45pm - 17:15pm	Keynote: Artificial Intelligence in Medical Imaging	Meng Law	Alfred Health - Monash University, Melbourne	

Drinks Reception 17:15pm - 18:30pm