

Victorian Biomedical Imaging Capability - VBIC Network Meeting

Thursday 29 November 2018: 10.00am - 5.00pm

Ian Potter Auditorium - Kenneth Myer Building - University of Melbourne

REGISTRATION & MORNING TEA 10.00am – 10.30am		
SESSION 1 10.30 - 11.05	VBIC NODE UPDATES Chairperson - Professor Gary Egan	
10.30 - 10.35 Welcome	Professor Gary Egan Director - Monash Biomedical Imaging - Monash University	
10.35 - 10.40	Professor Gary Egan Director - Monash Biomedical Imaging - Monash University	
10.40 - 10.45	Professor Graeme Jackson Deputy Director - The Florey	
10.45 - 10.50	Associate Professor Leigh Johnston Interim Director - Melbourne Brain Centre Imaging Unit - University of Melbourne	
10.50 - 10.55	Professor Tom Johnstone Director - Swinburne Neuroimaging - Swinburne University	
10.55 - 11.00	Kerryn Westcott ACRF Centre Project Manager- Olivia Newton-John Cancer Research Institute / La Trobe University	
11.00 - 11.05	Dr Anthony Filippis CEO - Neurosciences Victoria <i>Neurosciences Victoria – supporting the Victorian neurosciences community</i>	
SESSION 2 11.15 - 1.00	FOCUS ON HIGH-FIELD MRI Chairperson - Associate Professor Leigh Johnston	
11.15 - 11.45 Keynote Speaker	Professor Jon Shah Director Institute of Neuroscience and Medicine Forschungszentrum Jülich GmbH	Towards metabolic imaging at ultra-high field: hybrid MR-PET in humans at 7T
11.45 - 12.00	Rebecca Glarin 7T Radiographer - MBCIU University of Melbourne	MBCIU 7T: capabilities and opportunities
12.00 - 12.15	Yasmin Blunck Research Fellow Biomedical Engineering & MBCIU University of Melbourne	Towards novel biomarkers - efficient parameter mapping in sodium MRI
12.15 - 12.30	Professor Allison McKendrick Optometry and Vision Sciences University of Melbourne	High field MRI applications to vision research
12.30 - 12.45	Pablo Franco PhD Student Faculty of Business and Economics University of Melbourne	Neural correlates of computational complexity
12.45 - 1.00	Dr Gang Zheng MR Physicist - Monash Biomedical Imaging Monash University	Preclinical ultra-high field MRI imaging at MBI

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NETWORKING LUNCH 1.00pm - 2.00pm		
SESSION 3 2.00 - 4.00	EMERGING TECHNIQUES AND APPLICATIONS IN BIOMEDICAL IMAGING Chairperson - Professor Tom Johnstone	
2.00 - 2.15	Dr Kamlesh Pawar Post-Doctoral Research Fellow Monash University	Deep learning approaches for MRI Research: how it works
2.15 - 2.30	Dr Robert Smith Senior Post-doctoral Fellow Advanced MRI Development Group The Florey	MRtrix3: advanced tools for the analysis of diffusion MRI data
2.30 - 2.45	Professor Tom Johnstone Director - Swinburne Neuroimaging Swinburne University	In the blink of the mind's eye: multimodal imaging of representational time courses
2.45 - 3.00	Dr Amir Omidvarnia Postdoctoral Research Fellow Imaging and Epilepsy Group - The Florey	quickSTEP: a quick spike-detection toolbox for EEG-fMRI Processing of epilepsy
3.00 - 3.15	Dr Zhaolin Chen Head - Imaging Analysis Monash Biomedical Imaging Monash University	Task based coupling of brain metabolism and function using simultaneous BOLD-fMRI and FDG functional PET
3.15 - 3.30	Dr Ingrid Burvenich Senior Post-Doctoral Fellow Olivia Newton John Cancer Research Institute / La Trobe University	Development of pre-clinical imaging tools for oncology
3.30 - 3.45	Dr Vincent Dore Research Scientist - Biomedical Imaging Health and Biosecurity Flagship - The Australian eHealth Research Centre - CSIRO & Research Scientist - Department of Nuclear Medicine - Austin Hospital	Automated reporting of amyloid PET quantification on brain surface
3.45 - 4.00	Dr James McMahon Head - Clinical Research Unit - Alfred Hospital & Monash University & Infectious Diseases Physician - Alfred Hospital, Monash University & Monash Medical Centre	Imaging the HIV reservoir: a first in man Cu64-labelled 3BNC117 antibody PET study
4.00pm	MEETING CLOSE Professor Gary Egan	
AFTERNOON TEA & MELBOURNE BRAIN CENTRE IMAGING SUITE TOUR 4.00pm - 5.00pm		