



CLINICAL IMAGING RESEARCH CENTRE SINGAPORE

A joint venture between the Agency for Science, Technology And Research (A*STAR)
and the National University of Singapore (NUS)

The A*STAR-NUS Clinical Imaging Research Centre (CIRC) Presents Weekly Journal Club/Lab Meeting

August, 2015

Time: 2:00pm – 3:00pm, Wednesday

Venue: CIRC Conference Room
Clinical Imaging Research Centre (CIRC)
Centre for Translational Medicine (MD6)
14 Medical Drive, #B1-01
Singapore 117599

Date	Speakers	Topic
5-Aug-15	David Green	Fundamentals of the Cyclotron System
12-Aug-15	Trina Kok	Caroline: Organisation for Human Brain Mapping 2015 Trina: Open Access to Scientific Publication and Research
19-Aug-15	Ruby Kong & Dennis Cheong	Ruby Kong: Individual-Level Cerebral Cortex Parcellation Dennis Cheong: A Physiological Based Model for Tracer Concentration Time Curves in Blood Vessels Measured by Dynamic Imaging
26-Aug-15	Sharmili Roy	Registration with Missing Structures: Applications to Brachytherapy



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Speaker Background

David Green:

David graduated from University of Dundee with a BSc(Hons) in Physics before later completing an MSc in Medical Physics at the University of Surrey in Guildford. In 2005 he joined the largest commercial provider of radiopharmaceuticals in the UK, Alliance Medical, as a PET radiochemist. Combined with specialist cyclotron training, David progressed through the organisation to initially become the Service Engineer, then the Service Manager for 2 Radiopharmaceutical Production Units in the north west of England. He is currently based at CIRC as the Head of Cyclotron Operations & Facility Services.

Caroline Wong:

Caroline majored in Psychology at the Singapore Management University's School of Social Sciences. She joined CIRC in 2013, and has been working on fMRI-related projects.

Trina Kok:

Trina received her bachelor's degree from Duke University in 2005, and master's and PhD degrees from MIT in 2009 and 2012. In September of 2012, she joined the A*STAR-NUS Clinical Imaging Research Centre (CIRC) in Singapore as a research fellow. During her years at MIT, Trina worked on developing fast spiral spectroscopic imaging with 2D spectroscopy sequences such as CT-PRESS for brain imaging. She is interested in improving the detection and quantitation of metabolites and works to apply such techniques in clinical settings. Her current research interests lie in the wider field of MRI, multi-modal imaging, and its clinical applications.

Ruby Kong:

Ruby Kong is a Ph.D. student at the Department of Electrical and Computer Engineering (National University of Singapore). And she received her B.S. from Shanghai Jiao Tong University, China in 2014. Her current interest is large-scale brain imaging analysis.



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Dennis Cheong:

Dennis received his PhD from the Nanyang Technological University (NTU) in 2008. He was with National Neuroscience Institute (NNI) Singapore before joining the A*STAR-NUS Clinical Imaging Research Centre (CIRC) in Singapore in 2010 as a research fellow. At NTU, Dennis worked on developing distributed parameter tracer kinetics models that incorporate more than two compartments (patented) for analyzing DCE CT of brain tumors. At NNI, Dennis worked with DTI, ASL, DCE and DSC MRI in brain. He is working on clinical research projects that utilize tracer kinetics analysis. He is interested in providing meaningful parameters that can better explain the physiology of tissue being studied by DCE/DSC MRI, DCE CT, ASL, or dynamic PET.

Sharmili Roy:

Sharmili Roy is a Research Fellow at the A*STAR-NUS Clinical Imaging Research Centre. She has done her PhD at the National University of Singapore. During her PhD she worked on development of next-generation reporting and diagnostic tools for healthcare and biomedical applications. Her research focusses on using computer vision, image processing and computer graphics technologies to solve practical problems faced by healthcare and biomedical professionals in their routine workflow.

--- Admission is free and all are welcome ---



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