



# 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

**March, 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
4-Mar-15	No Speaker	
11-Mar-15	Lee Kuan Jin	“Prospective Motion Correction in MRI”
18-Mar-15	Thomas Nichols*	“Spatial Bayesian Point Process Modelling for Neuroimaging Data”
25-Mar-15	Jianhua Yan	“Data-driven motion correction for PET imaging”

\* Time/Venue: 2:30 – 3:30 pm, Seminar Room 2, Centre for Life Sciences (CeLS) Building



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## Speaker Background

Lee Kuan Jin:

Kuan Lee was Clinical Scientist in Nuclear Medicine at Sheffield University NHS Hospitals before switching to MRI. He did a PhD at Sheffield University and a post-doc in Juergen Hennig's group in Freiburg. In 2011, he got a job as MR Applications Developer with Siemens in Erlangen, with responsibility for Breast and DCE Angiography applications. He has published papers on motion correction, artifact correction, RF pulse design, pulse sequences, and radiosurgical planning. He now has a joint position with SBIC and CIRC, focusing on ASL, fat metabolism, cardiac MRI and prospective motion correction in MRI.

Thomas Nichols:

Professor, Department of Statistics & Warwick Manufacturing Group, University of Warwick

Dr. Nichols is a Professor, Wellcome Trust Senior Research Fellow, and the Head of Neuroimaging Statistics at the University of Warwick, holding a joint position between Warwick Manufacturing Group & the Department of Statistics. He is a statistician with a solitary, 20-year focus on modelling and inference methods for brain imaging research. Before graduate studies, he worked as a programmer and statistician at the University of Pittsburgh's Positron Emission Tomography Facility. He earned his PhD in Statistics at Carnegie Mellon University with cross-training in Cognitive Neuroscience, and in 2000 joined the faculty at the Department Biostatistics at the University of Michigan. He had a 3 year sojourn in industry, working at GlaxoSmithKline's Clinical Imaging Centre, London, where he developed methods for fMRI clinical trials and imaging genetics studies. He is a developer of both the Statistical Parametric Mapping (SPM) and FMRIB Software Library (FSL) tools, and is well known for bringing advanced statistical methodology to brain imaging and making it accessible to non-statisticians. In 2009 he received the Wiley Young Investigator Award by the Organization for Human Brain Mapping in recognition for his contributions to statistical modeling & inference of neuroimaging data.

Jianhua Yan:

After completing his PhD's degree from Huazhong University of Science and Technology, China in 2007, he joined Yale PET center as a postdoctoral research associate working on PET tracer kinetic modeling



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and direct 4D parametric image reconstruction. His current interests include multi-modal imaging (PET/MR and PET/CT), image analysis and clinical applications.

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



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