



# 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

### April

**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
2-Apr-14	Stephanie Marchesseau (CIRC)	“Patient specific cardiac simulation for therapy planning”
9-Apr-14	No Speaker	
16-Apr-14	Trina Kok (CIRC)	“Fat Suppression in MR Spectroscopic Imaging”
23-Apr-14	Stuart Derbyshire (CIRC, NUS)	Presentation on combining EEG and fMRI  Related paper: Mayhew, S.D., Hylands-White, N., Porcaro, C, Derbyshire, S.W.G., Bagshaw, A.P., 2013. Intrinsic variability in the human response to pain is assembled from multiple, dynamic brain processes. Neuroimage 75, 68–78.



Biomedical  
Sciences Institutes





# 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)

## Speaker Background

Stephanie Marchesseau:

Stephanie obtained an Engineering Degree (equivalent to a MSc) from "Ecole des Mines de Nancy" (FRANCE) one of the top 15 French engineering schools, and a MSc of Applied Maths and Theoretical Physics from the University of Cambridge (UK) in June 2008. She then worked for 1 year as a research engineer at Inria Sophia Antipolis (France) in Asclepios research project where her work was to simulate the liver deformation in a simulation software. She then started her PhD in the same team and graduated from "Ecole des Mines de Paris" (France) in January 2013. Her PhD work, which she will present during the lab meeting, was about patient specific cardiac simulation for therapy planning. She was supervised by Pr Nicholas Ayache. From January 2013, she pursued her postdoctoral research at Asclepios on cardiac fiber modelling.

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. She is no stranger to A\*STAR, having received the A\*STAR BS-PhD National Science Scholarship from 2002-2010 and joined A\*STAR's Institute for Infocomm Research (I2R) as a research engineer in 2005. 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.

Stuart Derbyshire:

Associate Professor, Department of Psychology, NUS.

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



Biomedical  
Sciences Institutes

