



# 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

<February>

**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-Feb-14	Ben Thomas (CIRC)	“Approaches to partial volume correction in brain PET”  Related paper: Thomas, B.A.; Erlandsson, K.; Reilhac, A.; Bousse, A.; Kazantsev, D.; Pedemonte, S.; Vunckx, K.; Arridge, S.; Ourselin, S.; Hutton, B.F., "A comparison of the options for brain partial volume correction using PET/MRI," Nuclear Science Symposium and Medical Imaging Conference (NSS/MIC), 2012 IEEE , vol., no., pp.2902-2906, Oct. 27 2012-Nov. 3 2012
12-Feb-14	No speaker	
19-Feb-14	Emilie Niaf (CIRC)	“Computer-aided diagnosis of prostate cancer on multiparametric MR images using supervised classification tools”
26-Feb-14	Ashley Weekes (CIRC)	Presentation on previous role and new role in CIRC's lab, progress of radiochemistry lab setup/equipment installation



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## Speaker Background

Ben Thomas:

Ben Thomas studied Computer Science at Reading University, UK, and then worked as a systems programmer for a small private company producing night-vision equipment. He moved to University College London, UK, studying for a PhD in medical physics applied to nuclear medicine. His doctoral studies investigated partial volume correction (PVC) techniques for PET and SPECT imaging. During a post-doc position at UCL, he continued to evaluate PVC methods and was also involved in a clinical drug trial using lung PET/CT imaging.

Emilie Niaf:

Emilie Niaf received an engineer's degree in computer sciences and applied mathematics from the French Grande Ecole ENSIMAG in 2008 and her MSc in image processing from Université Pierre et Marie Curie (Paris 6) and Telecom ParisTech in 2009. She then obtained her PhD from the Université Claude Bernard Lyon 1 in December, 2012. Her PhD work, entitled "Computer-aided diagnosis of prostate cancer using multiparametric MRI : a supervised classification approach" was supervised by both Dr. Carole LARTIZIEN (CNRS) and Prof. Olivier Rouvière, at CREATIS (<http://www.creatis.insa-lyon.fr/site/>) and Labtau (<http://labtau.univ-lyon1.fr/>) respectively (Lyon, France). She carried on working on prostate cancer detection and machine learning algorithms as a post-doctoral fellow in the research team "Images and Models" at CREATIS. She finally joined the CIRC as a research fellow in November, 2013. Her research interests include medical imaging, image processing and machine learning.

Ashley Weekes:

After completing her PhD in medicinal chemistry at Cardiff University, Ashley joined Imperial College London to undertake a MRC postdoctoral training programme in PET imaging. Based at Imanova (previously GSK Clinical Imaging Centre) she focused for two years in clinical imaging rotating through production, QC, QA and blood metabolite analysis. For the final eighteen months of her postdoc she undertook an independent research programme with the aim to label both novel and known Imidazoline 2 receptor ligands.

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



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