



# 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

### December

**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
3-Dec-14	Francesca Leek (CIRC)	'Optimisation and Quantification of Yttrium-90 Imaging'
10-Dec-14	Anirban Chakraborty (CIRC)	"4D confocal image analysis pipeline for live Arabidopsis apical meristems"
17-Dec-14	Jasper Chao (CIRC)	"Effectiveness of Mammography Screening Programs"



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## Speaker Background

Francesca Leek:

Upon completion of her BSc in Physics from Imperial College, Francesca spent three years working as a Safety Analyst at the UK Atomic Weapons Establishment, utilising Monte Carlo transport codes to determine the safety of manufacturing processes in fissile facilities. In 2009 she undertook an MSc in Radiation Physics: Medical Applications at UCL before embarking on a four-year NHS Clinical Scientist training programme specialising in Nuclear Medicine and PET physics at Cambridge University Hospitals. In conjunction with supporting the clinical workload her focus for service development has been investigating the feasibility of personalised dosimetry for patients undergoing radionuclide therapy.

Anirban Chakraborty:

Anirban Chakraborty received his Bachelor's degree in Electrical Engineering from Jadavpur University, India and both the Master's and Ph.D. degrees in Electrical Engineering from University of California, Riverside. Anirban joined CIRC as an image analysis research fellow in October 2014. His main research interests include medical and biological image analysis, probabilistic graphical models, stochastic processes, geometric tessellation, optimization etc.

Jasper Chaal:

Jasper Chaal has a background in electrical engineering and an M.Sc. from the University of Aberdeen in BioMedical Engineering. After getting his M.Sc. he joined Oxford Instruments where he worked on the HyperSense DNP system and the development of a combined MRI and pill dissolution system for the pharmaceutical industry.

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



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