



# Imaging Capabilities for Animal Models in Neuroscience and Neurological Diseases

Thursday 23 October, 2008, 9.00-5.00pm  
Lecture Theatre, ground floor, Howard Florey Institute  
**PROGRAM**

	<b>Speaker</b>	<b>Topic</b>
9.00am	Professor Gary Egan Team Leader, Neuroimaging Group, HFI	Welcome/Introductory Remarks
9.20am	Professor Graham Galloway Director, National Imaging Facility	Status of National Imaging Facility for animal model research
9.50am	Dr Hong Wang Research Officer, Animal MRI Facility, HFI	Update on Animal Handling Facilities at aMR Facility
10.10am	Dr Ke Fang Research Officer, Animal MRI Facility, HFI	Update on Coils and Acquisition Protocols at aMR Facility
<i>MORNING TEA</i>		
11.00am	Professor Terry O'Brien Department of Medicine, UoM	Imaging Epilepsy models
11.20am	Dr Damian Myers Department of Medicine, UoM	Imaging Neurotrauma rat models
11.40am	Dr Helmut Butzkueven Multiple Sclerosis Group, HFI	Imaging white matter changes in Multiple Sclerosis mouse models
12.00pm	Mr Scott Kolbe Neuroimaging Group, HFI	Analysis of white matter changes in MS mouse models
12.20pm	Dr Jacqueline Orian La Trobe University	Imaging grey matter changes in Multiple Sclerosis mouse models
12.40pm	Dr Ken Matsuda Bernard O'Brien Institute of Microsurgery	Retrograde axonal tracing using manganese-enhanced magnetic resonance imaging
<i>LUNCH</i>		
2.00pm	Dr Viviane Bouilleret Department of Medicine, UoM	Mn-MRI in a post-neurotrauma rat model – <i>preliminary results</i>
2.20pm	Dr Michael Farrell Neuroimaging Group, HFI	Mn-MRI of ascending neural pathways in a guinea pig model of cough
2.40pm	Dr Nicole Bye/Dr Cristina Kossman-Morganti National Trauma Research Institute	Imaging grey and white matter changes in Neurotrauma mouse models – <i>preliminary results</i>
3.00pm	Dr Marianne Keller Centre for Magnetic Resonance, UQ	Mouse brain imaging at 16.4T
<i>AFTERNOON TEA</i>		
3.40pm	Dr Richard Beare Monash University	Analysis technologies for high throughput phenomic studies
4.00pm	Dr Gary Cowin Centre for Magnetic Resonance, UQ	Microimaging at 700MHz
4.20pm	Dr Olivier Salvado CSIRO ICTC - The Australian e-Health Research Centre (AEHRC)	Method for optic nerve intensity characterization in mice from MEMRI images
4.40pm	Dr Nathan Faggian Neuroimaging Group, HFI	Analysis of hippocampal shape changes in rodent models
5.00pm	Professor Gary Egan Team Leader, Neuroimaging Group, HFI	Scientific Wrap-up
<i>SCIENTIFIC DISCUSSIONS and DRINKS</i>		

15 September 2008

FOR FURTHER INFORMATION & RSVP: [maryjoy.gleeson@florey.edu.au](mailto:maryjoy.gleeson@florey.edu.au)