CAI SEMINAR SERIES

FEBRUARY PROGRAM

7th February
Michael Horn, Lei Guo, Adam Vink
Summer Research Student Seminars

14th February
Kerstin Pannek & Truong Giang Nguyen
PhD Student Talks

21st February
Hana Burianova
Age-related changes in neuronal networks: Evidence from memory and face processing study

28th February
Prof. David Reutens
High field animal MR imaging

TUESDAYS AT 9AM
QBI, LEVEL 7 AUDITORIUM, UQ ST LUCIA CAMPUS
for more information please go to: www.cai.uq.edu.au/seminars
CAI Seminar Series

March Program

6th March
Nahla Faizo

13th March
Quarterly Review

20th March
Julia Hocking/Katie McMahon

27th March
Ben Sinclair/Abdulrahman Al-Salihi

Tuesdays at 9am
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April Program

3rd April
Michael Westphal
Transition metal complexes of cyclic peptides: CO2 fixation as a metabolic function of patellamides

10th April
Graeme Hanson
Pushing the frontiers in structural chemistry and biology

17th April
Mark Schira
High-resolution fMRI: Theory and application to the human visual cortex

24th April
Yas Tesiram
RF pulses for general application in NMR and MR

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**May Program**

**1st May**  
**Michael Westphal**  
*Transition metal complexes of cyclic peptides: CO2 fixation as a metabolic function of patellamides*

**8th May**  
**No seminar – ISMRM**

**15th May**  
**Jiangyang Zhang**  
*High-resolution fMRI: Theory and application to the human visual cortex*

**Zoltan Naggy**  
*QA - or why do MRI physicists waste all that valuable scanner time anyway*

**Jason Lerch**  
*of taxi driving mice and maze running me: studying brain plasticity with MRI*

**22nd May**  
**Jiaxin Du**  
*The Laminar Cortex Model: A new continuum cortex model incorporating laminar architecture*

**29th May**  
**Zuyao Shan**  
*Human brain hemodynamic response function - a new measure from fMRI and its heritability*

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**July Program**

3rd July  
Horst Schirra  
*Cracking the metabolic code - from NMR-based metabolomics to systems and fundamental biology*

10th July  
Mehdi Mobli  
*Development and application of high-throughput methods in high-resolution solution state NMR spectroscopy*

17th July  
Quarterly Meeting

24th July  
Jason Mattingley  
*Using EEG and frequency tagging to measure visual attention in health and disease*

31st July  
Olivier Salvado  
*New neuroimaging techniques and insight on Alzheimer’s disease from the Australian Biomarker Imaging and Lifestyle cohort*

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August Program

2nd August Christine Guo
Selective Network Breakdown in Neurodegenerative Diseases – Connecting the Dots Between Cell and Behavior

7th August Caroline Mas
The C terminal tail of FADD is Intrinsically Disordered: Structural and Functional Characterisation

14th August Bronwyn Laycock
Compositional distribution and mechanical properties of random and blocky copolymers of bacterial polyhydroxyalkanoates

28th August Simon Nevin
CAI inductions

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September Program

3rd September Johnathon Cole
Cryogen-free technology for magnetic resonance

4th September Roslyn Boyd
Can training change the brain? Lessons from neuroscience for children with early brain injury

11th September Rebecca Osbourne/David Reutens
Quarterly meeting

18th September Linda Richards
Wiring the brain for function

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October Program

16th October Rajiv Bhalla
Every radiosynthesis has a beginning, middle and an end – a (w)holistic approach to radiotracer development

23rd October Marcus Gray
Integration of brain activity with efferent and afferent autonomic signalling

30th October Idriss Blakey
Self assembly of polymers at the nanoscale: Application to computer chip manufacture and fabrication of optical imaging agents.

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November Program

6th November Lorine Wilkinson
The use of MRI to elucidate the etiology of progressive renal disease in Crim1KST264/KST264 mice.

13th November Rebecca William
The assessment of diffusion-weighted MRI as a contrast for functional brain imaging

20th November Paul Thomas
Specialised PET Services QLD: Who we are and what we do.

27th November 9:00am Jeiran Choupan
Brain Decoding using Natural Stimulus Functional MRI: Novel Methodologies

27th November 9:30am Farshid Sepehrband
Axon morphometry using diffusion magnetic resonance imaging

Tuesdays at 9am
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