

# Ne(w)roscience in Victoria

Friday 4<sup>th</sup> November 2011, 10:00am to 5:00pm  
Bldg 25/Theatre S1, Monash University Clayton Campus  
Organisers: Julian Heng, James Bourne

## Networking Theme:

To bring together new researchers in Neuroscience within the state of Victoria.

## Research Focus:

- Basic developmental mechanisms that underlie neurodevelopment and brain function, and their impact on human health and disease
- New research techniques, experimental models and approaches

## Vision:

This symposium offers a forum through which to foster communication between new independent researchers (within 1-8yrs of establishing their own research team), as well as provide an opportunity for them to present their research. It is anticipated that this event will become an annual networking opportunity for young independent researchers, and a platform for highlighting new and exciting neuroscience research in the state of Victoria.

## Program:

Each keynote speaker delivers a 25 min seminar, with 5 min question time.  
The Plenary speaker delivers a 45 min seminar, with 5-10 min of questions.

A map is provided in this program guide (see page 3) which indicates parking (circled **Blue**) and Symposium venue (circled **Red**). Lunch and afternoon tea will be provided during the meeting. After the Symposium, drinks will be held within the ARMI.

## Our Sponsors:

Monash Neuroscience and Mental Health Network  
The Australian Regenerative Medicine Institute  
The Australian Neuroscience Society



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## **Program outline:**

10:00: Introduction and opening address

### **Topic 1: Brain function, neurophysiology and behaviour**

10:10: **Zane Andrews** Monash University  
Ghrelin signalling in the brain: implications for obesity

10:40: **Stephanie Bissiere** Florey Neuroscience Institutes (FNI)  
The role of electrical synapses in fear learning and memory

11:10: **Tim Silk** Murdoch Children's Research Institute (MCRI)  
Neuroimaging: emerging insights into paediatric psychiatry

11:40: **Mark Bellgrove** University of Queensland  
(Plenary) Genetics and Pharmacology of Cognitive Control

12:30 – 13:30: Lunch

### **Topic 2: Molecular regulation of cell signalling and neurodevelopment**

13:30: **Nicolas Plachta** Australian Regenerative Medicine Institute (ARMI)  
Imaging gene regulatory molecules in living mouse embryos

14:00: **Julian Heng** Australian Regenerative Medicine Institute (ARMI)  
Deciphering the molecular recipe to make neurons within the cerebral cortex

14:30: **Ben Emery** Centre for Neuroscience (Melbourne University) and FNI  
Transcriptional control of CNS (re-)myelination

15:00 – 15:30: Afternoon Tea

### **Topic 3: Lessons from neurodevelopment for brain repair and regeneration**

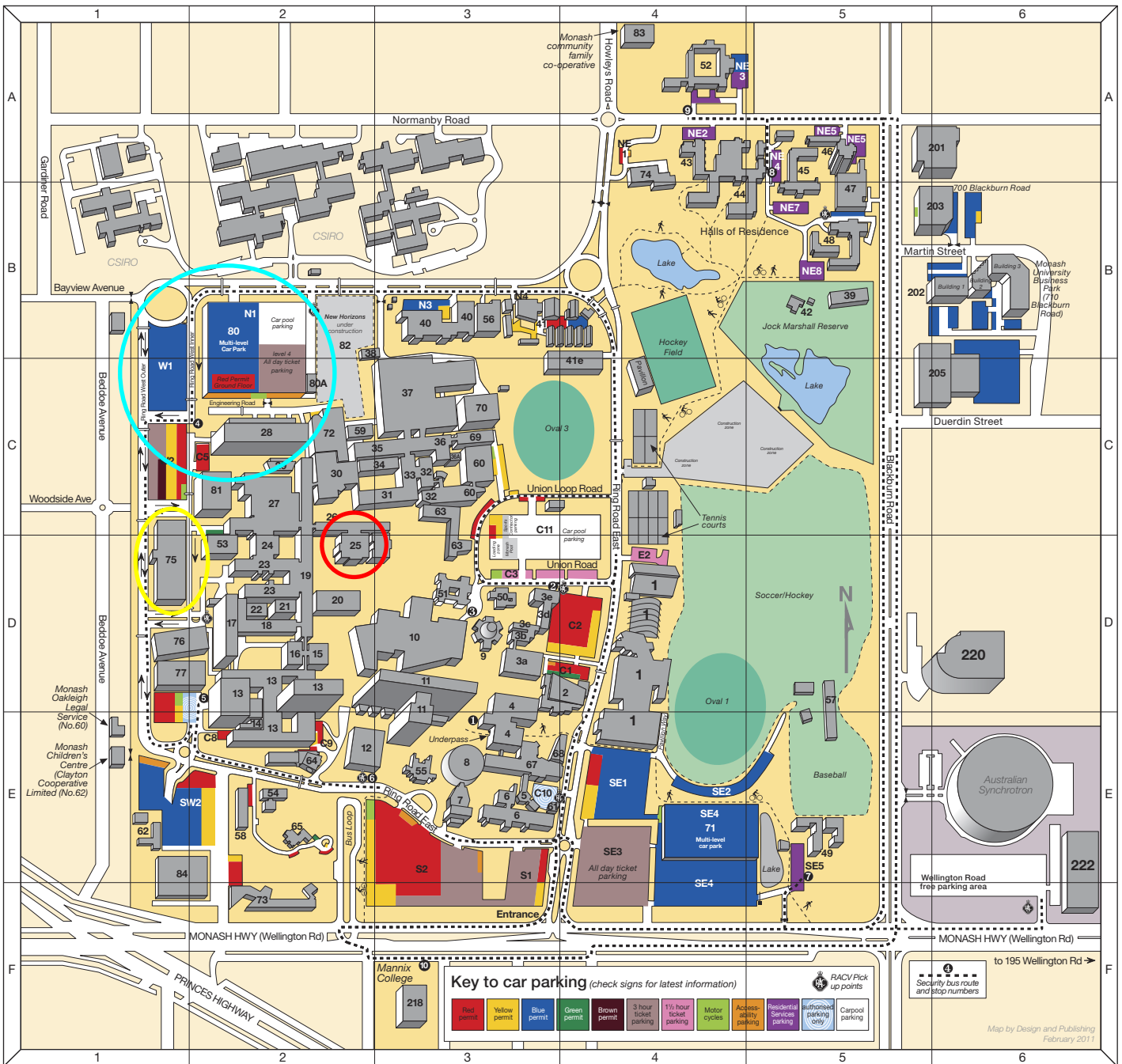
15:30: **Clare Parish** Florey Neuroscience Institutes (FNI)  
Wnt signaling in neural development and repair

16:00: **Lachlan Thompson** Florey Neuroscience Institutes (FNI)  
Cell therapy for Parkinson's Disease

16:30: **Jan Kaslin** Australian Regenerative Medicine Institute (ARMI)  
Using zebrafish to study adult neurogenesis and brain regeneration

17:00: Closing address, retire to drinks at the ARMI (Level 1, Building 75)

# Monash University Clayton campus



## Building index

- 1 Monash Sport D4
- 2 Sir Robert Blackwood Concert Hall D4
- 3a Administration Building 3a D3
- 3b Administration Building 3b D3
- 3c Administration Building 3c D3
- 3d Administration Building 3d D3
- 3e Administration Building 3e D3
- 4 Sir Louis Matheson Library E3
- 5 Krongold Centre E3
- 6 Education E3
- 7 Alexander Theatre E3
- 8 Rotunda E3
- 9 Religious Centre D3
- 10 Campus Centre D3
- 11 Humanities D3
- 12 Law including Law Library E2
- 13 Medicine D2
- 14 Teaching Facilities Support Unit E2
- 15 Centre for Medical and Health Sciences Education D2
- 16 Biochemistry Teaching Laboratories D2
- 17 Biology D2

- 18 Senior Zoology D2
- 19 Central Science Block D2
- 20 First Year Chemistry D2
- 21 Zoology Lecture Theatres D2
- 22 First Year Biology D2
- 23 Senior Chemistry D2
- 24 Western Science Lecture Theatres D2
- 25 Eastern Science Lecture Theatres D2
- 26 Physics and Computer Science D3
- 27 Senior Physics C2
- 28 Mathematics and Information Technology Services C2
- 29 Northern Science Lecture Theatres C2
- 30 Hargrave-Andrew Library and Cafeteria and Facilities and Conference Office C2
- 31 Engineering Building 31 C3
- 32 Engineering Lecture Theatres C3
- 33 Engineering Building 33 C3
- 34 Engineering Building 34 C3
- 35 Engineering Building 35 C3
- 36 Engineering Building 36 C3
- 36a Engineering Building 36A C3

- 37 Engineering Building 37 C3
- 38 Boiler House B2
- 39 Botany Experimental Area B2
- 40 Facilities and Services B3
- 41 Animal Services C3
- 41e Animal Services 41e C4
- 42 Zoology Environmental Laboratories B5
- 43 Richardson Hall A4
- 44 Roberts Hall B4
- 45 Farrer Hall A5
- 46 Howitt Hall A5
- 47 Central Building (Catering) B5
- 48 Deakin Hall B5
- 49 South East Flats E5
- 50 Monash University Club D3
- 51 Monash Short Courses Centre D3
- 52 Normanby House A4
- 53 Microbiology D2
- 54 Japanese Studies Centre E2
- 55 Gallery Building E3
- 56 Central Store, Transport and Mail Services B3
- 58 Yarrowonga Building E2
- 59 Australian Pulp and Paper Building C2

- 60 Engineering Building 60 C3
- 61 Parking and Security E3
- 62 High Voltage Switchroom E1
- 63 Faculty of Information Technology C3
- 64 Faculty of Medicine Offices E2
- 65 Monash House (Marketing and Student Recruitment) E2
- 67 Information Services Building E3
- 68 Performing Arts Precinct E3
- 69 Engineering Building 69 C3
- 70 Accident Research Centre C3
- 71 Multi-level carpark E4
- 72 Engineering Building 72 C2
- 73 Monash College Building F2
- 74 Monash Science Centre A4
- 75 Monash Biotechnology D1
- 76 School of Biomedical Sciences D1
- 77 School of Biomedical Sciences D1
- 80 Multi-level carpark - North Ring Road B2
- 80A Monash Bicycle Arrival Station C2
- 81 Monash Centre for Electron Microscopy C2
- 82 New Horizon (under construction) B2
- 83 Child care A4

- 84 John Monash Science School E1
- 202 Monash University Business Park - 710 Blackburn Road B6
- 203 700 Blackburn Road B6
- 218 Mannix College F3
- 220 Monash Biomedical Imaging Laboratory D6
- 222 Nanofabrication Centre E6

## Lecture theatre index

- 63 Central One C3
- 32 Engineering E1-E6 C3
- 60 Engineering/Examination Halls EH1-EH4 C3
- 12 Law School L1-L5 & G20 E2
- 13a Medicine M1 D2
- 13a Medicine M2-M3 D2
- 11 Menzies - Humanities H1-H10 D3
- 8 Rotunda R1-R7 E3
- 25 Science S1-S4 D2
- 24 Science S5-S6 D2
- 21 Science S7-S8 D2
- 25 Science S9-S12 D2
- 29 Science S13-S15 C2
- 25 Science ST1-4, ST7 D2
- 64 South One E2
- 72 Sir Alexander Stewart Theatre E7 C2