

Day 1, 7th November, 2024, Kenneth Myer Building, Ian Potter Auditorium, Parkville, VIC 3052

8:30 – 8:55 Coffee & Tea

8:55 – 9:00 Welcome by Adeel Razi

Session 1 – Chaired by Alex Fornito

9:00 – 9:35	Keynote: Criticality, edge-of-chaos and symmetry breaking in physics-aware neuromorphic networks	Zdenka Kuncic
9:35 – 9:55	Theoretical approaches towards understanding structure-function relationships in neural networks	Andre Peterson
9:55 – 10:15	Global conscious states and their cortical local dynamics, connectivity and stability correlates.	Levin Kuhlmann
10:15 – 10:30	Session Q&A	
10:30 – 11:00	Morning Tea Break	

Session 2 – Chaired by Kiley Seymour

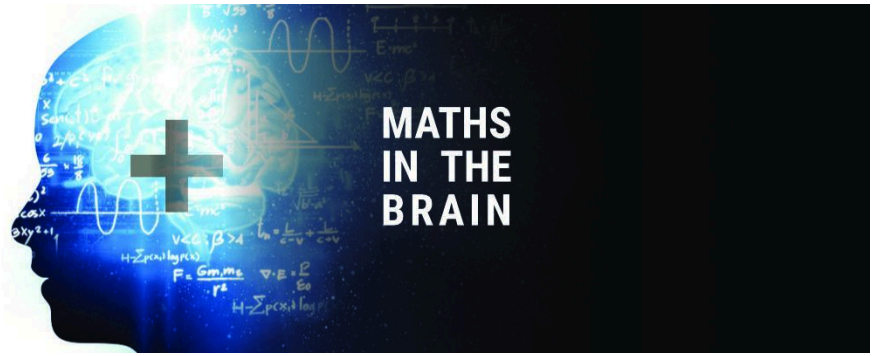
11:00 – 11:20	High-resolution connectome mapping and normative modelling	Andrew Zalesky
11:20 – 11:40	Advanced methods for EEG Representation Learning and EEG Classification	Mahsa Salehi
11:40 – 12:00	Tracking near-critical dynamics from noisy neural signals	Ben Fulcher
12:00 – 12:15	Session Q&A	
12:00 – 12:30	Spotlight Talks (3 talks/8 mins + 6 mins) Mehul Gajwani, Jieru Liao, Hamid Karimi-Rouzbahan	Leo Novelli
12:30 – 13:15	Lunch	
13:15 – 14:30	Posters + Networking	

Session 3 – Chaired by Marta Garrido

14:30 – 15:05	Keynote: Tracking circadian rhythms at the population scale	Andrew Philips
15:05 – 15:25	Thalamic Contributions to the State and Contents of Consciousness	James Mac Shine
15:25 – 15:45	Are psychiatric diagnoses associated with a robust neuroanatomical phenotype?	Trang Cao
15:45 – 16:00	Session Q&A	
16:00 – 16:30	Afternoon Tea Break	

Session 4 – Chaired by Brandon Munn

16:30 – 16:50	Structurally informed generative modelling of effective connectivity: Progress and outlook	Matthew Greaves
16:50 – 17:10	Critical dynamical behaviour in vitro and in vivo	Chris French
17:10 – 17:20	Session Q&A	



Day 2, 8th November, 2024, Kenneth Myer Building, Ian Potter Auditorium, Parkville, VIC 3052

8:30 – 8:55 Coffee & Tea

8:55 – 9:00 Welcome by Adeel Razi

Session 1 – Chaired by Luca Cocchi

9:00 – 9:35	Keynote: Tractogram: a shining star to guide neuroscience discoveries	Fernando Calamante
9:35 – 9:55	Cerebral glucodynamics in ageing	Sharna Jamadar
9:55 – 10:15	Geometric eigenmodes: The Swiss army knife of brain mapping	Nikitas Koussis
10:15 – 10:30	Session Q&A	
10:30 – 11:00	Morning Tea Break	

Session 2 – Chaired by Warda Syeda

11:00 – 11:20	Diffusion MRI of the very preterm newborn	Kerstin Pannek (OHBM-Aus Emerging Leadership Award)
11:20 – 11:40	Brain imaging at 7T	Leigh Johnston
11:40 – 12:00	New approaches for driving neuroplasticity with transcranial magnetic stimulation	Nigel Rogasch
12:00 – 12:15	Session Q&A	
12:00 – 12:30	Spotlight Talks (3 talks/8 mins + 6 mins) Giulia Baracchini, Sina Mansour L., Isabella Goodwini	James Pang
12:30 – 13:15	Lunch	
13:15 – 14:30	Posters + Networking	

Session 3 – Chaired by Ian Harding

14:30 – 15:05	Keynote: Neuroimaging Research In Depressive Disorders: Is There Potential for Clinical Translation?	Lianne Schmaal
15:05 – 15:25	Microstructural white matter alterations in healthy, psychedelic-naïve individuals after subthreshold and full doses of psilocybin	Lena Oestreich
15:25 – 15:35	Session Q&A	
15:35 – 16:00	Afternoon Tea Break	

Session 4

16:00 – 16:45	ARC funding demystified	Katherine Johnson
16:45 – 16:50	Poster prizes	
16:50 – 17:15	OHBM-Australia - Annual General Meeting	Adeel Razi/Kiley Seymour