

CAMAND 2025

Thursday 4th December

9.30am	Welcome address + Acknowledgment of Country
9.50-10.20am	Keynote - Glenda Halliday (USyd) <i>Chair: Anthony Hannan</i>
10.30-11am	MORNING TEA
11am-1pm	Session 1 Mechanisms of neurodegeneration A <i>Chairs: Angela Laird, Liviu Bodea</i>
11:00am	<i>BNIP3/NIX mitophagy: mechanisms and therapeutic potential</i> Michael Lazarou (WEHI)
11:20am	<i>BAG3 is elevated early in the Alzheimer's disease brain and influences amyloid and tau pathology</i> Sian Genoud (USyd)
11:35am	<i>Unravelling the physiological and disease-enabling functions of Tau protein</i> Victor Anggono (QBI)
11:55am	<i>Divergent neuronal excitability profiles on a single-cell and synaptic network level in iPSC-derived motor neurons from sALS patients</i> Do-Ha Dzung (Wollongong)
12:10pm	<i>Multi-Omics Insights into LATE-NC: Toward Mechanistic Understanding and Biomarker Discovery</i> Jijin Wang (Harvard)
12.30-1:30 pm	LUNCH
1.30-3.30pm	Session 2 Mechanisms of neurodegeneration B <i>Chairs: Lezanne Ooi, Juan Carlos Polanco</i>
1:30pm	<i>PKR Gain-of-Function Disrupts Neuronal Differentiation</i> Sophia Davidson (Hudson)
1:50pm	<i>Blocking dopaminergic neuron death in Parkinson's disease</i> Marlene Schmidt (WEHI)
2:05pm	<i>Ferroptosis as a mechanism of Alzheimer's disease – from biochemistry to clinical trial</i> Scott Ayton (Florey)
2:25pm	Poster blitz <i>Chair: Sarah Gordon</i>
2:55-3:20pm	AFTERNOON TEA
3:20-5.30pm	Session 3 Therapeutic development and targeting <i>Chairs: Alison Hogan, Peter Crouch</i>
3:20pm	<i>Mechanistic studies into low-intensity ultrasound as emerging treatment strategy for Alzheimer's disease and other brain disorders</i> Jürgen Goetz (QBI)
3:40pm	<i>Intermittent fasting attenuates CNS inflammation - rebalancing the transposonome</i> Doug Smith (Newcastle)
3:55pm	<i>Next generation tools to improved cell-based therapies for Parkinson's disease</i> Clare Parish (Florey)
4:15pm	Poster blitz <i>Chair: Sarah Gordon</i>
4:30-6.30pm	POSTERS
6:30pm	Post-conference social event off-site

Friday 5th December	
9.00-10.15am	Session 4 Biomarkers & Risk <i>Chairs: Linlin Ma, Anthony Cook</i>
9.00am	<i>IL-2 and T cells in Parkinson's disease</i> Nicolas Dzamko (USyd)
9.20am	<i>Neurofilament Heavy Phospho-epitopes as Novel Blood Biomarkers for Neurodegenerative Disease</i> Laura De Paoli (UTas)
9.35am	<i>The genetic architecture of MRI derived human cervical spinal cord morphology reveals sensory-motor axis and biomarkers of neurological and systemic diseases</i> Melanie Bahlo (WEHI)
9:55am	<i>Using genetic risk for amyotrophic lateral sclerosis to prioritise drug repurposing candidates</i> William Reay (UTas)
10.15-10.45am	MORNING TEA
10.45am-12.30pm	Session 5 Emerging questions & technologies <i>Chairs: Karissa Barthelson, Thomas Frath</i>
10.45 am	<i>Drugging the undruggable: strategies to enhance targeting of misfolded proteins in the brain</i> Rebecca Nisbet (Florey)
11.05am	<i>A platelet-derived exerkine boosts neurogenesis and restores cognitive function in the aged brain</i> Odette Leiter (UQ)
11.20am	<i>Mapping the human brain proteome in primary tauopathies</i> Eleanor Drummond (USyd)
11.40am	<i>Deciphering Dysregulated Molecular Pathways in Huntington's Disease: The Role of HTT in DNA Mismatch Repair</i> Christian Makhoul (UMelb)
11.55am	<i>Shared reactivity signatures of tau-positive astrocytes in brain injury and aging</i> Helen Murray (Auckland)
12.30-1.30pm	LUNCH
1.30-2.50pm	Session 6 Neuroimmunology <i>Chairs: Rosie Clarke, Victor Dieriks</i>
1.30pm	<i>Immune-mediated demyelination drives structural synaptic remodelling in the cortex</i> Jessica Fletcher (Menzies)
1.50pm	<i>Idiopathic Parkinson's Disease Onset Triggered by Alpha-synuclein Antigen Autoimmunity</i> Nathalie Dehorter (UQ)
2.05pm	<i>Amyloidosis of bridging veins is a pathologic feature of Alzheimer's disease</i> Leon Smyth (Monash)
2.25pm	Keynote - Protein painting to explore protein dysfunction in neurodegeneration Danny Hatters (UMelb) <i>Chair: Catherine Blizzard</i>
2.55pm	Closing remarks
3pm	CLOSE