



CJCADR Scientific Symposium

Advances in imaging, disease mechanisms, and therapies for ageing dementia research

CJCADR SCIENTIFIC SYMPOSIUM PROGRAM

Wednesday 8th – Friday 10th February 2023

Queensland Brain Institute (QBI), The University of Queensland, St Lucia

Wednesday 8th February

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| 1.30pm - 2.15pm | Registration Level 3 Reception |
| 2.15pm - 4.15pm | Workshop 1: Design Thinking Soft skills in the research landscape (30 registrants max) Facilitator: Odette Leiter |
| 4.15pm - 4.45pm | Afternoon Tea |
| 4.45pm - 6.00pm | Workshop 2: Bioinformatics Galaxy (web-based platform to handle big data) Facilitator: Anne Hahn |
| 6.00pm - 8.00pm | Welcome Reception Level 7 Terrace |

Clem Jones Centre for Ageing and Dementia Research
2023 Scientific Symposium Program

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Thursday 9th February

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| 8.15am - 9.00am | Registration Level 3 Reception |
| 9.00am - 9.05am | Jürgen Götz <i>Welcome</i> |
| 9.05am - 9.25am | Pranesh Padmanabhan - CJCADR QBI The University of Queensland <i>Super-resolving the behaviour of Tau at the single molecule level near the plasma membrane</i> |
| 9.25am - 9.45am | Dan Blackmore - CJCADR QBI The University of Queensland <i>HIT the treadmill- Preliminary results from the Human Exercise Trial</i> |
| 9.45am - 10.15am | 5 x Rapid Talks |
| 10.15am - 10.45am | Morning Tea |
| 10.45am - 11.35am | Keynote Lecture Daniel Razansky - University of Zurich and ETH Zurich, Switzerland <i>Using light and sound for non-invasive stimulation and interrogation of the brain</i> |
| 11.35am - 11.55am | Tracey Dickson - University of Tasmania <i>Getting the balance right: Targeting excitatory dysfunction in the ALS cortex</i> |
| 11.55am - 12.15pm | Steve Zuryn - CJCADR QBI The University of Queensland <i>Regulation of the state of the mitochondrial genome</i> |
| 12.15pm - 12.45pm | 5 x Rapid Talks |
| 12.45pm - 1.15pm | Lunch |
| 1.15pm - 2.15pm | Poster Session |
| 2.15pm - 2.35pm | Victor Anggono - CJCADR QBI The University of Queensland <i>Activity-dependent Regulation of Glutamate Receptor Trafficking</i> |
| 2.35pm - 2.55pm | Odette Leiter - CJCADR QBI The University of Queensland <i>Platelets boost exercise-induced neurogenesis and cognitive function in the aged brain</i> |
| 2.55pm - 3.15pm | Cameron Evans - The University of Western Australia <i>Single cell multiplex sequencing for high throughput and high content analysis</i> |
| 3.15pm - 3.35pm | Trent Woodruff – School of Biomedical Sciences The University of Queensland <i>Complement Receptors as Druggable Targets for Parkinson's Disease</i> |
| 3.35pm - 4.00pm | Afternoon Tea |

Thursday 9th February

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|-----------------|---|
| 4.00pm - 4.20pm | Matilde Balbi - CJCADR QBI The University of Queensland <i>The role of gamma oscillation in activity-dependent neuroprotection after stroke</i> |
| 4.20pm - 4.40pm | Danny Hatters - The University of Melbourne <i>Mechanisms involved in the intracellular aggregation of intrinsically foldable proteins</i> |
| 4.40pm - 5.00pm | Kate Schroder - IMB The University of Queensland <i>Inflammasomes as emerging therapeutic targets in Alzheimer's Disease</i> |
| 5.00pm - 7.00pm | Evening Mixer Level 7 Terrace |

Friday 10th February

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|-------------------|--|
| 8.30am - 9.15am | Registration Level 3 Reception |
| 9.15am - 10.00am | Jeremy Miller - Allen Institute – Brain Atlas, Seattle, USA <i>Classification of cell types in human neocortex and their variation in ageing and disease (Virtual presentation via Zoom)</i> |
| 10.00am - 10.20am | Rebecca San Gil - QBI The University of Queensland <i>Disease signatures of TDP-43 proteinopathies in mouse and human cortex</i> |
| 10.20am - 10.40am | Alessandra Donato - CJCADR QBI The University of Queensland <i>OSP-1 protects neurons from oxidative stress by remodelling the endoplasmic reticulum and modulating autophagy</i> |
| 10.40am - 11.00am | Fred Meunier - QBI The University of Queensland <i>Tau nanoscale landscape at the synapse</i> |
| 11.00am - 11.20am | Morning Tea |
| 11.20am – 11.40am | Clare Parish - The Florey Institute of Neuroscience & Mental Health <i>Advancing cell therapies for brain repair</i> |
| 11.40am – 12.10pm | Peter Nestor - CJCADR QBI The University of Queensland <i>Discussing Dementia, the patient experience</i> |
| 12.10pm – 12.30pm | Nancy Pachana – Healthy Ageing Initiative The University of Queensland <i>Social and emotional impacts of dementia: what the literature, and persons with dementia, say</i> |
| 12.30pm | Pankaj Sah – QBI The University of Queensland <i>Concluding remarks and rapid talk + poster prizes</i> |