



# Australia-Japan Joint Neurodegenerative Disease Symposium

Date: Wednesday 19 June

Location: Adelaide Health and Medical Sciences Building, North Terrace

- 8.30** Registration begins; tea/coffee and light breakfast, **G030**
- 8.50** Welcome - Prof Ian Symonds, Dean of Medicine, Adelaide Medical School, **Joe Verco Lecture Theatre**
- 9.00** Prof Masahisa Katsuno, "*TDP-43 facilitates exocytosis: unexpected link between ALS and diabetes.*"
- 9.35** Anuradha Tennakoon, "*Cortical Cytokine Changes in Healthy Ageing, Motor Neurone Disease and Alzheimer's Disease*"
- 9.40** Dr Sharn Perry, "*Characterising the role of SARM1 in ALS axon degeneration.*"
- 9.55** A/Prof Hakan Muyderman, "*Proteomic analysis of NSC-34 cells, astrocytes and mice spinal cord tissue carrying mutant TDP-43 reveals dysfunction of ubiquitin proteasome, energetics, cytoskeletal function & anti-oxidant responses: A case for ALS-therapeutics targeting glutathione and iron homeostasis.*"
- 10:20** Dr Frances Corrigan, "*The effect of modulation of the immune response following mild traumatic brain injury*"
- 10:45** Judith Hocking, "*Applicability of a Conversational Agent to enhance neurorehabilitation outcomes for people with mild cognitive impairment or brain injury.*"
- 10:55** Monique Boord, "*Delirium and the disconnected brain: A pilot analysis of event-related potential associations of delirium.*"
- 11.05** Dr Mitchell Goldsworthy, "*Neuroplasticity and human cognitive ageing*"
- 11:30** Dr Mary-Louise Rogers, "*TBD*"
- 11.50** **Keynote Address:** Dr Adam Walker (Ross Maclean Fellow, Queensland Brain Institute), "*Understanding TDP-43 pathology in motor neuron disease and frontotemporal dementia*"
- 12:25** Lunch and networking, **G030**
- 1.10** Prof Thomas Fath, "*Organisation of the synaptic actin cytoskeleton – implications for neurodegenerative disease pathology*"
- 1.45** Dr Tim Sargent, "*Using cellular waste recycling for the prevention of dementia*"
- 2.10** Maria Roumenova Gancheva, "*Investigating conversion of dental pulp stem cells to neural progenitors*"
- 2.20** Dr Katsunori Yokoi, "*Biomarker-based analysis of preclinical progression in Parkinson's disease*"
- 2.35** Isaac Deng, "*Lipopolysaccharide Models of Parkinson's Disease*"
- 2.45** Dr Makoto Hattori, "*Identifying subjects at risk of Parkinson's disease in Japanese general population*"
- 3.00** Dr Fiona Zhou, "*Knockout of p75 neurotrophin receptor attenuates the hyperphosphorylation of Tau in pR5 mouse model*"
- 3.15** Dr Mehreen Rahman, "*Neuroprotective role of anti-proBDNF IgG in ischemic recovery*"
- 3.30** A/Prof Michael Lardelli, "*Iron dyshomeostasis as an alternative to the Amyloid Hypothesis for AD*"
- 4.00** Karissa Barthelson, "*Modelling familial AD mutations in SORL1 in zebrafish*"
- 4.10** Yang Dong, "*Mutating the PSEN1 gene of zebrafish*"
- 4.20** Nhi Hin, "*Bioinformatic analysis of zebrafish familial AD-like mutations*"
- 4.30** Morgan Newman, "*A programme of investigation of familial AD-like mutations using the zebrafish*"
- 4.50** Isabella Bilecki, "*TBD*"
- 5.00** Maxime Francois, "*The utility of buccal cells and quantitative imaging microscopy to identify mild cognitive impairment and Alzheimer's disease*"
- 5.20** Closing remarks and presentation of awards
- 5.30** Networking over drinks and nibbles, **G030**

