

Joint Japan – Australia – New Zealand symposium

Building a Functional Brain

Owen Glenn Building, The University of Auckland, New Zealand
Saturday 29 January 2011
Proposed Program

Further information can be found at
www.sallyjayconferences.com.au/ans2011/satellite.html

Queries can be directed to:
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7.55am Welcoming remarks

Session 1: Neurogenesis (Chairs: Perry Bartlett and Richard Faull)

8.00am – 8.25am ***“Activating and regulating precursors in the adult brain”***
Professor Perry Bartlett, Queensland Brain Institute, University of Queensland, Australia

8.25am – 8.50am ***“Molecular mechanisms of neurogenesis, a key event in development and maintenance of the brain”***
Professor Noriko Osumi, Division of Developmental Neuroscience, Tohoku University Graduate School of Medicine, Sendai, Japan

8.50am – 9.15am ***“Self-renewal and differentiation of neural progenitor cells in the developing mouse brain”***
Professor Fumio Matsuzaki, RIKEN Centre for Developmental Biology, Kobe, Japan

9.15am – 9.40am ***“Understanding neural cell function through targeted cell ablation in the CNS”***
Dr Toby Merson, Florey Neuroscience Institutes, University of Melbourne, Australia

9.40am – 10.10am Morning tea

10.10am – 10.35am ***“The role of Notch signaling in proliferation and differentiation of neural stem cells”***
Professor Ryoichiro Kageyama, Kyoto University, Kyoto, Japan

10.35am – 11.00am ***“Ndfip1 control of cell cycle during neurogenesis”***
Dr Jason Howitt, Florey Neuroscience Institutes, University of Melbourne, Australia

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11.00am – 11.25am ***“Compensatory striatal adult neurogenesis alters the temporal profile of proneural transcription factors *Dlx2* and *Pax6* in SVZ-derived neural precursor cells*”**
A/Prof Bronwen Connor, University of Auckland, New Zealand

11.25am – 11.50am ***“Neural stem cells: their involvement in adult neurogenesis and CNS-repair”***
Professor Hideyuki Okano, Department of Physiology, Keio University School of Medicine, Japan

11.50am – 12.45pm Lunch

Session 2: Axonal growth and development (Chairs: Jo Montgomery and Linda Richards)

12.45pm – 1.10pm ***“You are what your mother eats: Effects of maternal diet on fetal hypothalamic circuitry development”***
Dr Christine Jasoni, University of Otago, New Zealand

1.10pm – 1.35pm ***Activity-dependent axon branching in cortical circuits”***
Professor Nobuhiko Yamamoto, Osaka University, Graduate School of Frontier Biosciences, Japan

1.35pm – 2.00pm ***“Mechanisms regulating commissure formation in the brain”***
Professor Linda Richards, Queensland Brain Institute, University of Queensland, Australia

2.00pm – 2.25pm ***“Postsynaptic regulators of synaptic plasticity”***
Dr Johanna Montgomery, University of Auckland, New Zealand

2.25pm – 2.50pm ***“Molecules and mechanisms behind the aetiology of multiple sclerosis”***
Professor Trevor Kilpatrick, Florey Neuroscience Institutes, University of Melbourne, Australia

2.50pm – 3.25pm Afternoon tea

Session 3: Synaptic plasticity (Chairs: Seong-Seng Tan and Cliff Abraham)

3.25pm – 3.50pm ***“Formation of precerebellar nuclei in the hindbrain”***
Professor Fujio Murakami, Osaka University, Graduate School of Frontier Biosciences, Japan

3.50pm – 4.15pm ***“Excitatory actions of GABA in the basal amygdala”***
Professor Pankaj Sah, Queensland Brain Institute, University of Queensland, Australia

4.15pm – 4.40pm ***“Neocortical neuron types and local connectivity”***
Professor Yasuo Kawaguchi, National Institute for Physiological Sciences, Japan

4.40pm – 5.05pm ***“Testing the metaplasticity predictions of the BCM model of synaptic change”***
Professor Cliff Abraham, University of Otago, New Zealand

5.05pm – 5.30pm ***“Stopping at the lights: Visual-induced pauses in striatal cholinergic interneurons”***
Dr John Reynolds, University of Otago, New Zealand

5.30pm Closing remarks

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