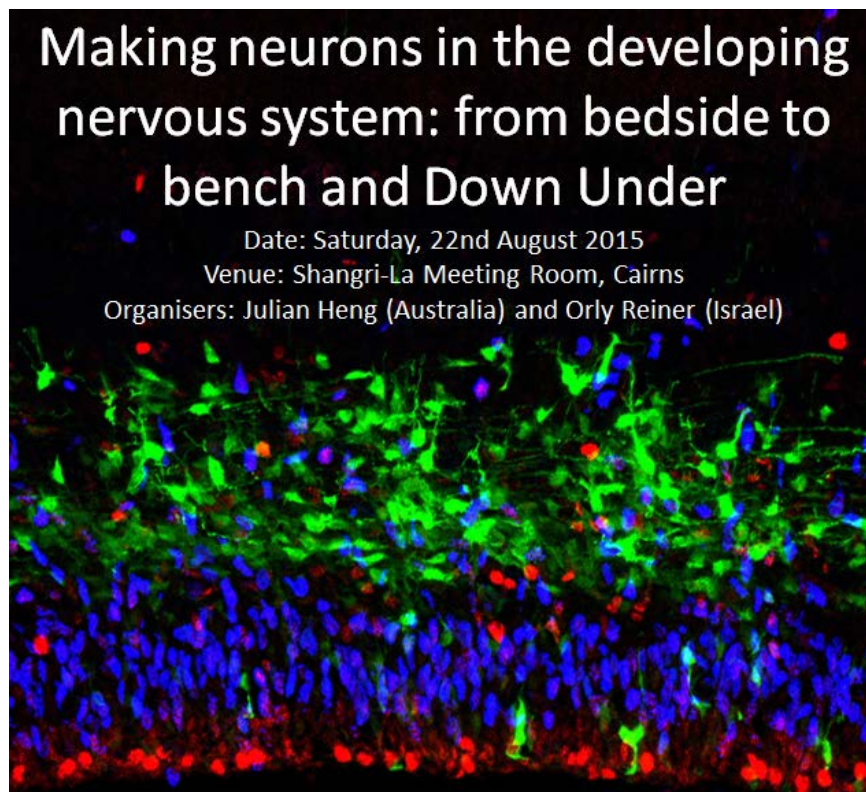


ISN-APSN-ANS 2015 Satellite Meeting - FINAL REPORT



PROGRAM

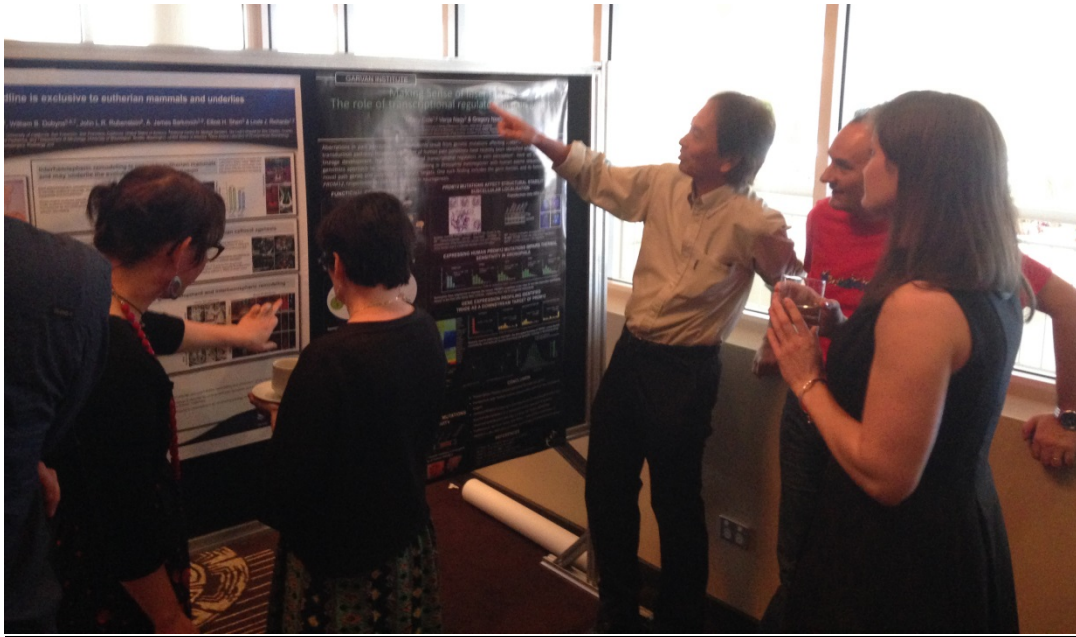
This satellite meeting was organised to highlight recent insights into the fundamental mechanisms which underlie CNS development. The day-long meeting was divided into three streams to promote active scientific discussion of the neurobiology of brain disorders arising from the study of candidate genes and their mutations which influence neurogenesis (Stream 1), cell migration (Stream 2) and neuronal differentiation (Stream 3). Speakers were invited from Europe, the United States and across the Asia-Pacific region; and were exempt from paying the registration fee of \$35. Short, 10-minute talks were invited from abstracts submitted by participants. Participants were also encouraged to present a poster communication. A common theme throughout the day was the genetic dissection of neuronal development and disease.



A program and abstract for each presentation (see below) was circulated to speakers and participants prior to the day of the meeting. Prizes were awarded for best oral presentation as well as best poster presentation. The outline of the program was as follows:

- Welcome greeting
- Oral Session - Stream 1: Neurogenesis and brain growth in health and disease
- Discussion and Morning Tea/Coffee Break
- Oral Session – Stream 2: Cell migration – molecular pathways for neuronal positioning
- Lunch and poster presentations
- Oral Session – Stream 3: Neuronal differentiation – making connections and keeping them
- Poster session, drinks and canapés, judging and announcement of speaker and poster prizes





PARTICIPANTS:

The meeting attracted more than 30 registrants, and 23 participants from all around the world presented their research at the meeting, altogether representing people from four continents and nine countries. Participants actively discussed their research during scheduled breaks and discussion times over the course of the day's activities.



Invited speakers:

David Keays, Vienna, Austria
Laurent Nguyen, Liège, Belgium
Jozef Gecz, Adelaide, Australia
Irina Voineagu, Sydney, Australia
Orly Reiner, Rehovot, Israel
Jin-Wu Tsai, Taipei, Taiwan
Helen Cooper, Brisbane, Australia
David Solecki, Tennessee, USA
Kozo Kaibuchi, Nagoya, Japan
Linda Richards, Brisbane, Australia
Massimo Hilliard, Brisbane, Australia
Bill Bennet, Tasmania, Australia

Invited short talks:

Michael Piper, Brisbane, Australia
Chris Bye, Melbourne, Australia
*Laura Fenlon, Brisbane, Australia
Christian Gonzalez-Billault, Brisbane, Australia
(*denotes the winner of the best oral presentation among invited abstracts for short talks)

Invited poster presentations:

Vanessa Lanoue, Brisbane, Australia
Ilan Gobius, Brisbane, Australia
Conor O'Leary, Brisbane, Australia
*Tiffany Cole, Sydney, Australia
Linh Ngo, Perth, Australia
Rodrigo Suarez, Brisbane, Australia
Thomas Gstrein, Vienna, Austria
(*denotes the winner of the best poster presentation)

Additional participants:

Nicole Wilson, Brisbane, Australia
Michael Langford, Brisbane, Australia
Jan Kaslin, Melbourne, Australia
Lisa Foa, Tasmania, Australia
I-Ling Liu, Taipei, Taiwan

An important goal for our meeting was to encourage early career participants to participate and present their research. Particularly, we offered prizes (AUD\$100 gift card) for the best oral presentation as well as the best poster presentation. These were awarded to Ms Laura Fenlon (Brisbane, Australia), and Ms Tiffany Cole (Sydney, Australia), respectively:

Congratulations Laura and Tiffany!!

Travel subsidies were offered to international speakers toward their travel costs:

David Keays, Vienna, Austria – USD\$250

Laurent Nguyen, Liège, Belgium – USD\$250

Orly Reiner, Rehovot, Israel (speaker and co-organiser) – USD\$500

Jin-Wu Tsai, Taipei, Taiwan – USD\$250

David Solecki, Tennessee, USA – USD\$250

Kozo Kaibuchi, Nagoya, Japan – USD\$250

Jozef Gecz, Adelaide, Australia – AUD\$200

Irina Voineagu, Sydney, Australia – AUD\$200

Helen Cooper, Brisbane, Australia – AUD\$200

Massimo Hilliard, Brisbane, Australia – AUD\$200

Linda Richards, Brisbane, Australia - AUD\$200

Bill Bennet, Tasmania, Australia – AUD\$200

SPONSORSHIP

In addition to the USD\$7000 received from the ISN, the Harry Perkins Institute of Medical Research (Perth, Australia) sponsored a welcome reception to international speakers prior meeting, as well as co-sponsoring a conference dinner for invited speakers.



BUDGET

| Expenses | Number of units | Total |
|--|-----------------|----------------|
| 1. Delegate Day Package (\$58 per person) | 30 | \$1,740 |
| 2. Canapes (\$18 per person) | 30 | \$540 |
| 3. Beverage Package (\$28 per person) | 30 | \$840 |
| 4. Audiovisual equipment hire | 1 | \$510 |
| 5. Laptop Hire for A/V | 1 | \$229 |
| 6. Audio - lectern microphone hire | 1 | \$23 |
| 7. Audio - lapel microphone | 1 | \$130 |
| 8. Audio - handheld microphone | 1 | \$42 |
| 9. Audio - sound mixer platform | 1 | \$68 |
| 10. Audio - cables, speakers, stand | 1 ea | \$98 |
| 11. Technical services (AV Operator, \$75/hr) | 4 | \$300 |
| 12. Poster board hire (for 12 A0 posters) | 3 | \$315 |
| 13. Gift Cards (Australia Post) | 2 | \$200 |
| 14. Welcome dinner for international speakers prior to meeting | 1 | \$116 |
| 15. Dinner for international speakers | 1 | \$700 |
| 16. Invited speaker subsidies (USD\$1750 @AUD\$0.80/USD\$1) | 6 | \$2,188 |
| 17. Invited speaker subsidies to national speakers (\$200) | 6 | \$1,200 |
| Total expenditure | | \$9,239 |
| Income | | |
| 1. ISN Grant (USD\$7000 @AUD\$0.85/USD\$1) - for items 1-12, 16-17 as listed in Expenses | 1 | \$8,139 |
| 2. Registration fees (\$35 each) | 17 | \$595 |
| 3. Harry Perkins Institute co-sponsorship | 1 | \$505 |
| Total income | | \$9,239 |
| BALANCE | | \$0 |

ISN-APSN-ANS 2015 Satellite Meeting

Making neurons in the developing nervous system: from bedside to bench and Down Under

Date: Saturday, 22nd August 2015

Venue: Shangri-La Hotel Ballroom, The Marina, Cairns

Organisers: Julian Heng (Australia) and Orly Reiner (Israel)

Cost of registration: AUD\$35

8.30-8.45 **Welcome and Introduction**

Stream 1: Neurogenesis and brain growth in health and disease

- 8.45-9.10 **David Keays** Vienna, Austria
Mutations in the murine homologue of TUBB5 cause microcephaly by perturbing cell cycle progression and inducing p53 associated apoptosis
- 9.10-9.35 **Laurent Nguyen** Liege, Belgium
A dynamic Unfolded Protein Response controls cortical neurogenesis
- 9.35-9.50 **Jozef Gecz** Adelaide, Australia
Protocadherin 19 epilepsy, autism and intellectual disability limited to females
- 9.50-10.00 **Michael Piper** Brisbane, Australia
NFIX regulates the mode of radial glial cell division during hippocampal morphogenesis
- 10.00-10.25 **Irina Voineagu** Sydney, Australia
Enhancer RNA expression in the human brain

10.25-10.50 **Discussion and Morning Tea/Coffee Break**

Stream 2: Cell migration – molecular pathways for neuronal positioning

- 10.50-11.15 **Orly Reiner** Rehovot, Israel
Notch Activation by Shootin1 Opposing Activities on two Ubiquitin Ligases
- 11.15-11.40 **Jin-Wu Tsai** Taipei, Taiwan
Molecular Motors and Neuronal Migration in Brain Development
- 11.40-12.05 **Helen Cooper** Brisbane, Australia
NEOGENIN: A new determinant of radial progenitor function in the embryonic cortex
- 12.05-12.30 **David Solecki** Memphis, USA
Zeb1 controls neuron differentiation and germinal zone exit by a mesenchymal-epithelial-like transition
- 12.30-12.40 **Chris Bye** Melbourne, Australia
Trans Modulation of Semaphorin Signalling by Cell adhesion Molecules
- 12.40-12.50 **Laura Fenlon** Brisbane, Australia
The anatomy, organisation and development of homotopic versus heterotopic contralateral callosal projections

| | |
|------------------|---|
| 12.50-1.00 | Discussion |
| 1.00-2.00 | Lunch and poster presentations |
| | <i>Stream 3: Neuronal differentiation – making connections and keeping them</i> |
| 2.00-2.25 | Kozo Kaibuchi Nagoya, Japan Extracellular and intracellular signaling for neuronal polarity |
| 2.25-2.35 | Christian González-Billault Santiago, Chile Exchange protein directly activated by cAMP (EPAC) regulates neuronal polarization through Rap1B |
| 2.35-3.00 | Linda Richards Brisbane, Australia Nuclear Factor One A (Nfi) (1p31.3-p32.2) deletion syndrome |
| 3.00-3.25 | Massimo Hilliard Brisbane, Australia Axonal fusion: an alternative mechanism to repair injured axons. |
| 3.25-3.50 | Bill Bennet Tasmania, Australia Mechanisms of action of repetitive transcranial magnetic stimulation upon motor learning – an <i>in vivo</i> imaging approach |
| 3.50-4.00 | Discussion |
| 4.00-4.10 | Closing comments |
| 4.10-5.30 | Poster session and drinks, announcement of speaker and poster prizes |
| 5.45 | Close of meeting |

Poster presentations:

Vanesa Lanoue

Brisbane, Australia

EFFECT OF THE WNT RECEPTOR RYK IN THE REGULATION OF DENDRITOGENESIS

Illan Gobius

Brisbane, Australia

Astroglial-mediated remodeling of the interhemispheric midline is exclusive to eutherian mammals and underlies the formation of the corpus callosum

Conor O'Leary

Brisbane, Australia

Neogenin regulates progenitor polarity and function in the developing cortex

Tiffany Cole

Sydney, Australia

Making Sense of Insensitivity: the role of transcriptional regulators in pain genetics

Linh Ngo

Perth, Australia

De novo mutations in DENR disrupt neuronal development and link congenital neurological disorders to defective mRNA translation re-initiation

Rodrigo Suarez

Brisbane, Australia

DEVELOPMENTAL SCENARIOS FOR THE EVOLUTIONARY ORIGIN OF THE CORPUS CALLOSUM