

AUSTRALASIAN NEUROSCIENCE SOCIETY 39th Annual Scientific Meeting

2-5 December 2019

Adelaide Convention Centre, South Australia



Preliminary Program

Adelaide Convention Centre

Monday 2 - Thursday 5 December 2019

*Please note this preliminary program is subject to change

MONDAY 2 DECEMBER

12:00pm - 7:00pm	Registration Desk Open	Foyer M
1:00pm - 4:30pm	Imaging Workshop	Room: Hall A
2:00pm - 4:00pm	IBI Event	Room: City Room 1
5:00pm - 5:15pm	Opening of Conference	Room: Hall L
5:15pm - 6:30pm	PLENARY SESSION 1: INTERNATIONAL PLENARY Proteomic analysis of visual system organisation, function and plasticity <i>Speaker: Hollis Cline, PhD</i>	Room: Hall L
6:30pm - 8:30pm	Welcome Reception	Room: Halls MNO

TUESDAY 3 DECEMBER

7:30am - 6:00pm	Registration Desk Open	Foyer M			
8:30am - 9:30am	PLENARY SESSION 2: ELSPETH MCLACHLAN PLENARY <i>Speaker: Professor Geoffrey Goodhill</i>	Room: Hall L			
9:30am - 10:00am	Morning Tea, Exhibition and Poster Display	Room: Halls MNO			
10:00am - 12:00pm	Symposium Sessions				
	<i>Room: City Rooms 1&2</i>	<i>Room: City Rooms 3&4</i>	<i>Room: Riverbank Room 7</i>	<i>Room: Riverbank Room 8</i>	<i>Room: Hall L</i>
	Chairs: Mary-Louise Rogers & Bradley Turner	Chair: Gary Egan	Chair: Thomas Burne	Chair: Alison Cauty	Chair: Cliff Abraham
	New insights in Motor Neuron Disease pathogenesis, therapeutics and biomarkers Don Cleveland, Avinda Nath, Andreas Malaspina, Shyuan Ngo	New perspectives in neural circuits modelling Pulin Gong, Anthony Burkitt, T Kameneva, Geoffrey Goodhill	Diagnostics and Theranostics in Psychiatry: Using advanced biological, bioinformatics and computational tools to improve clinical outcomes Elizabeth Thomas, Brian Dean, Rachel Hill, Scott Clark	Through the looking glass: Observing real time changes in brain circuitry Vincenzo De Paola, Catherine Blizzard, Lucy Palmer, Ethan Scott	Presidential Symposium: Synaptic mechanisms of plasticity and memory Haruhiko Bito, Graham Collingridge, Johanna Montgomery, Joanna Williams
12:00pm - 1:45pm	Lunch, Exhibition and Poster Display	Room: Halls MNO			
12:30pm - 1:45pm	Brain Bee Final				
1:45pm - 3:45pm	Symposium Sessions				
	<i>Room: City Rooms 1&2</i>	<i>Room: City Rooms 3&4</i>	<i>Room: Riverbank Room 7</i>	<i>Room: Riverbank Room 8</i>	<i>Room: Hall L</i>
	Chair: Timothy Bredy	Chair: Kimberley Pitman	Chair: Andrea Harrington	Chair: Nela Durisic & Ramón Martínez-Mármol	Chair: Anand Gururajan
	Technical developments at the frontier of neuroscience Dan Ohtan Wang, Ryan Lister, Philippa Tablerlay, John Lin	Glia in neurotransmission Raphael Ricci, Nicola Allen, Yasuyuki Osanai, Junhua Xiao	Mechanisms of Pain: From the periphery to the brain Stuart Brierley, Yves De Koninck, Brett Graham, Elena Bagley	Deconstructing the synapse: How pre- and post-synaptic proteins come together to fine tune synaptic strength in health and disease Subhojit Roy, Frederic Meunier, Sarah Gordon, Patricio Opazo Olavarria	The Stressed Brain: Translating Preclinical Concepts into Therapeutic Realities Olivia O'Leary, Christopher Dayas, Anthony Hannan, Dagmar Koethe
3:45pm - 4:15pm	Afternoon Tea, Exhibition and Poster Display	Room: Halls MNO			
4:15pm - 5:15pm	PLENARY SESSION 3: ECCLES LECTURE <i>Speaker: Professor Pamela McCombe</i>	Room: Hall L			
5:30pm - 7:30pm	Workshops				
	<i>Room: City Rooms 1&2</i>	<i>Room: Riverbank Room 7</i>			
	NHMRC Grant System Workshop Professor Helen Cooper, Professor Melinda Fitzgerald, Professor Anthony Hannan, Professor Paul Martin	Neuroscience Teaching Workshop Kay Double and Gaby Todd			
6:00pm - 7:30pm	Public Lecture: Neuroscience of Brain Resilience: Health, Fitness, and Addiction <i>Speaker: Professor Selena Bartlett</i> MC: Tom Rehn	Room: Hall L			
8:00pm - 10:00pm	Student & EMCR Networking Event	Venue: Regattas Bar & Kitchen			

WEDNESDAY 4 DECEMBER

7:30am - 6:00pm	Registration Desk Open	Foyer M			
8:30am - 9:30am	PLENARY SESSION 4: LAWRIE AUSTIN PLENARY <i>Speaker: Professor Selena Bartlett</i>	<i>Sponsored by: Tianqiao and Chrissy Chen Institute</i> Room: Hall L			
9:30am - 10:00am	Morning Tea, Exhibition and Poster Display	Room: Halls MNO			
10:00am - 12:00pm	Symposium Sessions				
	<i>Room: City Rooms 1&2</i>	<i>Room: City Rooms 3&4</i>	<i>Room: Riverbank Room 7</i>	<i>Room: Riverbank Room 8</i>	<i>Room: Hall L</i>
	Chair: Ehsan Arabzadeh	Chair: Lachlan Thompson	Chair: Marta Garrido & Carsten Murawski	Chair: Asheeta Prasad & Zoran Boskovic	Chair: Denovan Begg
	Vision, information processing and cognition Karin Nordstrom, Stephen Williams, Paul Martin, Jason Mattingley	Parkinson's disease: from pathogenesis to regeneration Glenda Halliday, Clare Parish, Deniz Kirik, Cedric Bardy	Computational Psychiatry Bernard Balleine, Shinsuke Suzuki, Roshini Randeniya, Xiaosi Gu	Illuminating neural circuits of emotional and motivational behaviour Mazen Kheirbek, Robyn Brown, Roger Marek, Dhanisha Jhaveri	When gut meets brain: their impact on food intake control Damien Keating, Zhi Yi Ong, Amanda Page, Ivan de Araujo
12:00pm - 1:45pm	Lunch, Exhibition and Poster Display	Room: Halls MNO			
1:45pm - 3:45pm	Oral Presentations Selected from Submitted Abstracts				
	<i>Room: City Rooms 1&2</i>	<i>Room: City Rooms 3&4</i>	<i>Room: Riverbank Room 7</i>	<i>Room: Riverbank Room 8</i>	<i>Room: Hall L</i>
	Chair: Erica Fletcher & Luke Grundy	Chair: Brian Billups & Helen Gooch	Chair: Cedric Bardy & Anthony Don	Chair: Kim Hemsley & Toby Merson	Chair: Brenton Hordacre & Renee Turner
	Sensory Circuits & Mediators Xiaotian Jiang, Hui Li, Mallroy Luke, Sarah Petryszyn, Saba Gharaei, Conrad Lee, Javier Jimenez-Martin, Emmanuel Marquez Legorreta	Synaptic Transmission Vladimir Sytnyk, Adam Hines, Hilary Yong, Christopher Small, Amin Jiang, Lauren Bleakley, Nela Durisic, Benjamin Hunn	Development & Regeneration Tobias Bluett, Rodrigo Suarez, Sebastian Quezada, Kai Sempert, Laura Fenlon, Lulu Xing, Eva Tomaskovic-Crook, Lachlan Harris	Glia Kimberley Pitman, Darren Clarke, Carlie Cullen, Jana Vukovic, Ali Delbaz, Ross O'Shea, Ruth Musgrove, Bianca Guglietti	Injury to the Nervous System Shenpeng Zhang, Isabella Bilecki, Lin Kooi Ong, Jessica Sharkey, Bronwyn Kivell, Heidi Walkden, Sarah Stephenson, Leah Beauchamp
3:45pm - 4:15pm	Afternoon Tea, Exhibition and Poster Display	Room: Halls MNO			

4:15pm - 4:50pm	A.W. Campbell Award Presentation Targeting changes in spinal circuit function to treat chronic pain <i>Speaker: Wendy Imlach</i>	Room: Hall L
4:50pm - 5:25pm	Nina Kondelos Award Presentation Reconstructing sacral visceral circuits for bioelectronic medicine <i>Speaker: Janet Keast</i>	Room: Hall L
5:30pm - 7:00pm	ANS Annual General Meeting	Room: Hall L
7:30pm - 11:30pm	Conference Dinner	Room: Panorama Ballroom

THURSDAY 5 DECEMBER

8:00am - 5:00pm	Registration Desk Open					Foyer M
9:00am - 11:00am	Symposium Sessions					
	Room: City Rooms 1&2	Room: City Rooms 3&4	Room: Riverbank Room 7	Room: Riverbank Room 8	Room: Hall L	
	Chair: Junhua Xiao	Chair: Michelle Rank & Kristen Cleveland	Chair: Geoffrey Goodhill	Chair: Andrew Lawrence	Chair: Ville-Petteri Makinen	
	How altered lipid metabolism and myelin structure causes neurodegeneration John Kwok, Karen Mather, Maria Fuller, Anthony Don	Pathway to success: paving the way for translational stroke research Steven Zuryn, Nicole Jones, Michael O'Sullivan, Michael Tymianski	Wiring the brain: the development of cortical neurons and networks Nathalie Dehorter, Michael Crair, Linda Richards, James Bourne	Neurobiological Mechanisms of Drug addiction Michael Bowen, Jennifer Cornish, Arnauld Belmer, Asheeta Prasad	EMBL Australia scientific symposium on neural circuitry and cellular integrity in health and disease Cornelius Gross, Yann Gambin, Pirjo Apaja, Leon Teo	
11:00am - 11:30am	Morning Tea, Exhibition and Poster Display					Room: Halls MNO
11:30am - 12:30pm	PLENARY SESSION 5: ANS PLENARY Chiaroscuro in the visual brain <i>Speaker: Professor Jose-Manuel Alonso</i>					Room: Hall L
12:30pm - 1:30pm	Lunch, Exhibition and Poster Display					Room: Halls MNO
1:30pm - 3:30pm	Oral Presentations Selected from Submitted Abstracts					
	Room: City Rooms 1&2	Room: City Rooms 3&4	Room: Riverbank Room 7	Room: Riverbank Room 8	Room: Hall L	
	Chair: Karissa Barthelson & Nick Spencer	Chair: Frances Corrigan & Anthony Hannan	Chair: Lyndsey Collins-Praino & Hannah Keage	Chair: Peregrine Osborne & Rochelle Peterson	Chair: Jenny Gunnensen & Arne Iltner	
	New Technologies & Methods Omar Ibrahim, Andrew Allen, Sandesh Panthi, Merja Joensuu, Harrison Evans, Mina Ghanimi Fard, Indranil Basak, Jenny Ekberg	Psychiatric Disorders & Memory Maarten van den Buuse, Martin Lewis, Xiang Li, Hayley North, Alexandre Cristino, Anna Schroeder, Angeline Leong, Charles Watson	Cognition, Learning, & Behaviour Thomas Burne, Asheeta Prasad, Teri Furlong, Cheryl Shoubridge, Sharna Jamadar, Janet van Eersel, Kimberly Archer, Jacqueline Heighway	Autonomic Circuits Marcello Costa, Simon Brookes, Anita Leembruggen, Sabrina Poon, Madushani Herath, Aung Aung Kywe Moe, Stuart McDougall, Vanesa Stojanovska	Disorders of the Nervous System Mohammad Ibrahim, Craig McIntosh, Prathishtha Chatterjee, Ryu Takechi, Morgan Newman, Eleanor Drummond, Anthony White, Tim Sargeant	
3:30pm - 4:30pm	Presentation of Awards and Conference Close					Room: Hall L

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