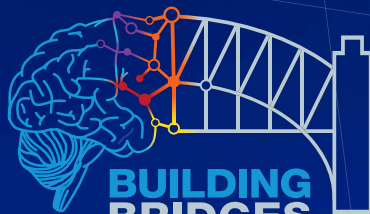


DELEGATE HANDBOOK



**BUILDING
BRIDGES**

3-6 DECEMBER

INTERNATIONAL
CONVENTION
CENTRE

ICC
SYDNEY

**20
17**



2017 MEETING OF THE
AUSTRALASIAN NEUROSCIENCE SOCIETY
37TH ANNUAL SCIENTIFIC MEETING

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**All Occasions
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INTRODUCTION

We welcome you to Sydney and the 37th Annual Meeting of the Australasian Neuroscience Society (ANS). This is the largest meeting of neuroscientists in the Australasian region and will be held in the fabulous new International Convention Centre (ICC), located in Darling Harbour, Sydney.

This dynamic meeting brings together a wealth of scientists, educators, clinicians and research students from around Australia and the world. The conference theme of "Building Bridges" is an acknowledgement to Sydney's iconic structures (ANZAC and Sydney Harbour Bridges), as well as our overarching goal to facilitate and forge connections across research, industry, the clinic, different disciplines, methodologies and levels of experience. Together, it is an opportunity to embrace the wonder of the human brain and nervous system and advance our understanding of the challenges posed in both health and disease.

The meeting is proud to showcase a variety of outstanding plenary lectures from Junichi Nabekura, Jürgen Götz, Kathryn North, and Andrew Lawrence, plus exciting symposia, oral & poster sessions and keynote addresses.

For the first time at ANS, we are running imaging workshops on the Sunday featuring research using the latest advancements in imaging technology. A career development symposium will

follow this that forms one of the several exciting student/early career researcher (ECR) focused events that have been organised by the ANS Student Body Committee.

On Monday 4th December, the final of the National Brain Bee will be held during Monday lunchtime, while the Student and Early Career "Speed Networking" event will be held on Monday evening. The "Images of Neuroscience" photographic competition will be on display during the conference, with \$2,000 worth of prizes up for grabs for student members of ANS. Travel scholarships are again available this year to students attending the ANS meeting.

The LOC has been successful in attracting significant sponsorship for the Annual Meeting. We are grateful to all of them and acknowledge our Premier sponsor, Neuroscience Research Australia along with the Brain and Mind Centre at the University of Sydney, Mindgardens from the University of New South Wales, the Garvan Institute of Medical Research, NeuraLynx, the International Conference on Frontotemporal Dementias and the NSW Government. Carl Zeiss and Multi-Channel Systems are sponsors of the Imaging Workshops on Sunday 3rd December while our other corporate partners will occupy 20 Exhibition Booths in the Gallery alongside the poster presentations.

continued over >

Furthermore, the Brain and Mind Centre has kindly supported the award for the Best Student Presentation. We are incredibly grateful to all our sponsors whose generosity we know will be reciprocated by delegates with their time and interest during the conference.

The Social Program will kick off with a Welcome Reception in the Gallery that boasts impressive views of Darling Harbour from the level 3 balconies. The popular Student and Early Career Researcher Social Mixer will this year incorporate "Speed Networking" and will be held on Monday evening in the Gallery Foyer, coinciding with 'Drinks' for all delegates around the Exhibition and Poster displays in the adjacent Gallery. On Tuesday night, we are excited to host the Conference Dinner aboard Starships Sydney, for a Sydney Harbour cruise with wine, culinary delights and live music.

The ICC is in the center of the Darling Quarter with its diverse range of eateries and shops while the Sydney CBD is just a short walk away over the Pyrmont Bridge. The Darling Quarter has a number of lunch and coffee specials for delegates and details will be available from the Registration desk.

Of course, Sydney offers something for everyone as a tourist destination, so we hope that you will take the opportunity to arrive early or stay afterwards (or both) to visit our famous beaches, the spectacular scenery of the Blue Mountains or the shopping extravagant that is the Pitt Street Mall. The Darling Quarter is also home to the Australian National Maritime Museum, Sea Life Sydney Aquarium, Madam Tussauds, while the Powerhouse Museum is just a short 10 minute-walk away. You can also just relax between all the great science in the beautiful Chinese Garden of Friendship.

The brand new International Convention Centre in Darling Harbour is a fantastic venue in the heart of Sydney and it is with tremendous pride that the LOC welcomes all ANS 2017 delegates to our beautiful city to build bridges within and beyond the Australian neuroscience community.

We hope you have a highly successful meeting.

**Thomas Fath, Melissa Tadros,
Greg Sutherland and Andrew Affleck**
ANS 2017 Local Organising Committee



ANS 2017 SPONSORS

The local organising committee of ANS 2017 acknowledges the generous support of the following sponsors:



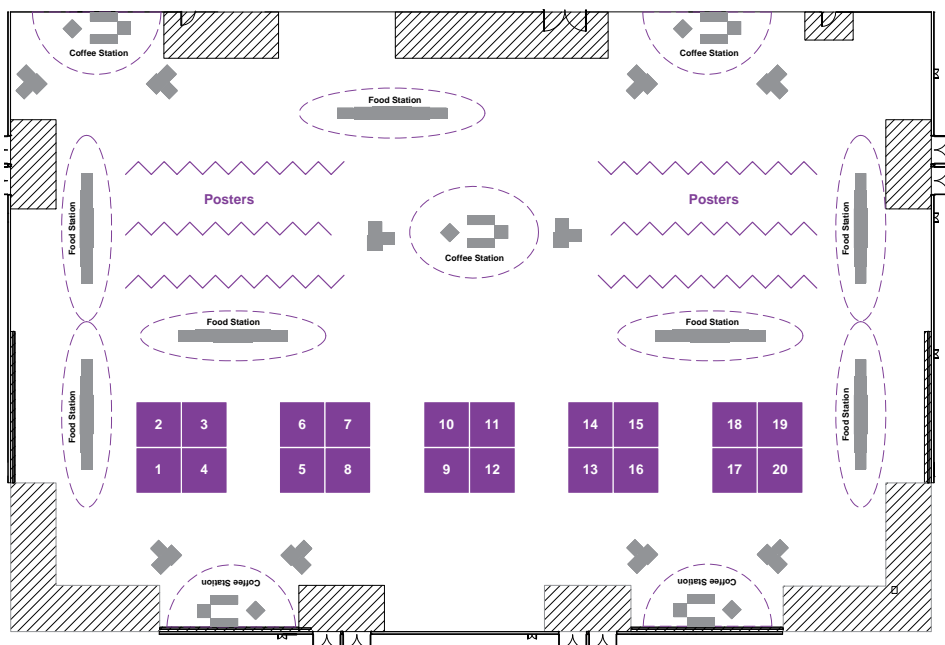
TRADE EXHIBITION

TRADE EXHIBITION OPENING HOURS

Sunday, 3 December	6.00pm – 8.45pm
Monday, 4 December	9.30am – 4.15pm and 7.30pm – 9.30pm
Tuesday, 5 December	8.00am – 5.00pm
Wednesday, 7 December	9.30am – 4.00pm

The trade exhibition will be open during the times specified above. We encourage all delegates to take the time to visit each of the exhibitors and support the companies at the meeting.

EXHIBITION FLOOR PLAN - THE GALLERY, ICC





TRADE EXHIBITION

EXHIBITOR LIST

BOOTH NUMBER

Medilink	01
Symbiotic Devices	02
RWD Life Scienco Co., Ltd	03
Australian Proteome Analysis Facility Ltd	04
Stoelting Co.	05
Transetyx, Inc	06
Multi Channel Systems MCS GmbH	07
AXT Pty	08
Merck	09
SDR Scientific	10
Scitech Pty Ltd	11
Biolegend/Australian Biosearch	12
Australian Brain Alliance	13
The Australian National University	14
Sapphire Bioscience Pty Ltd	15
Neuralynx Asia	16
Cyagen Biosciences Inc.	17
Bio Molecular Systems	18
Carl Zeiss	19
Lastek Pty Ltd	20

PLENARY SPEAKERS



PROFESSOR JÜRGEN GÖTZ

Director, the Clem Jones Centre for Ageing Dementia Research, Australia

Since 2012, Jürgen Götz has been Foundation Chair of Dementia Research and Director of the Clem Jones Centre for Ageing Dementia Research at the Queensland Brain Institute (University of Queensland). After undergraduate studies at the Biocenter of the University of Basel, Jürgen Götz joined the laboratory of Nobel Laureate Georges Köhler to obtain his PhD degree in immunology. Subsequently, he took up postdoctoral positions at UCSF (San Francisco) and Sandoz Ltd (now Novartis, Basel). In 1994 he became a Research Group Leader at the University of Zurich (Switzerland). In 2005, he relocated to Australia to become Professor and Chair of Molecular Biology at the University of Sydney. Götz is an internationally renowned expert in basic research on Alzheimer's disease (AD). He generated the first tau transgenic mouse model with an early AD phenotype. He provided evidence for the amyloid cascade hypothesis (Science, >1,200 cit.) and this highly cited work was accompanied by an Editorial in the same issue of Science. He further identified a novel function of tau in mediating A β toxicity (Cell), causing

a paradigm shift. More recently, he developed a novel non-pharmacological treatment of amyloid-depositing mice using scanning ultrasound that restored memory functions in these mice (Science Translational Medicine). Jürgen Götz has also authored several highly cited review articles in journals such as Nature Reviews Neuroscience (2), Nature Reviews Neurology (2), Lancet, Trends in Cell Biology, Trends in Neurosciences, Trends in Molecular Medicine, Brain Research Reviews, Molecular Psychiatry and Progress in Neurobiology (3). With an H-index of 58, Jürgen Götz has published more than 160 peer-reviewed articles, and his publications have been collectively cited around 13,000 times (Google Scholar).



PROFESSOR ANDREW LAWRENCE

Division Head - Behavioural Neuroscience, Florey Institute of Neuroscience & Mental Health, Australia

Professor Andrew Lawrence is an NHMRC Principal Research Fellow and Associate Director at the Florey Institute of Neuroscience & Mental Health where he is Head of the Division of Behavioural Neuroscience and runs the Addiction Neuroscience laboratory. Andrew has

PLENARY SPEAKERS

published over 200 original articles and reviews, and been cited >7000 times. Andrew was Treasurer of the Australian Neuroscience Society (2002-2008) and is a Fellow of the British Pharmacological Society. He was Senior Editor of The British Journal of Pharmacology (2007-2014) and is currently a reviews editor with The British Journal of Pharmacology. He is Deputy Editor in Chief of Pharmacology Research & Perspectives, Associate Editor of both Neurochemical Research and the Journal of Pharmacological Sciences. He sits on the editorial board of Addiction Biology. Andrew was recently President of the Asian-Pacific Society for Neurochemistry (2014-2016).



PROFESSOR KATHRYN NORTH **Institute Director, Murdoch Children's Research Institute, Australia**

Professor Kathryn North AM is Director of the Murdoch Children's Research Institute and the David Danks Professor of Child Health Research at the University of Melbourne.

Professor North is trained as a physician, neurologist and clinical geneticist and in 1994, was awarded a doctorate for research in neurogenetics. She

completed a postdoctoral fellowship in the Harvard Genetics Program.

Professor North is a national and international leader in Genomic medicine. In 2014, Professor North was appointed as Co-Chair of the Global Alliance for Genomics and Health – a collaborative network of over 400 organisations across over 45 countries funded by the NIH and the Wellcome Trust (genomicsandhealth.org). Commencing in 2016, she leads an NHMRC-funded national network of over 40 institutions – the Australian Genomics Health Alliance (AGHA). The goal of AGHA is to provide evidence and practical strategies for the implementation of genomic medicine in the Australian health system.

Professor North has received a number of awards including the GSK Australia Award for Research Excellence (2011), the Ramaciotti Medal for Excellence in Biomedical Research (2012) and Member of the Order of Australia (AM) for service to medicine in the field of neuromuscular and neurogenetics research (2012). In 2012, Professor North was appointed Chair of the National Health and Medical Research Council Research Committee and in 2014 was appointed as a Foundation fellow of the Australian Academy of Health and Medical Science. She chairs the International Advisory Board of the Great Ormond Street Institute of Child Health (UK) and is a member of the Board of the Victorian Comprehensive Cancer Centre.

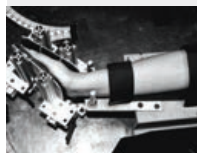
PLENARY SPEAKERS



PROFESSOR JUNICHI NABEKURA
Professor of Physiology and Neuroscience and a Vice-Director, National Institute for Physiological Sciences, Japan

Junichi Nabekura is a Professor of Physiology and Neuroscience and a Vice-Director of the National Institute of Physiological Sciences (NIPS) in Okazaki, one of the top Neuroscience research institutions in Japan. Nabekura graduated from Kyushu University in 1987, undertook a postdoctoral fellowship at Washington University, and held academic posts at various Universities across Japan (Tohoku, Akita, Kyushu) before being appointed Professor at NIPS in 2003. His research is focused on neuronal circuit wiring and plasticity during development and following injury measured using

electrophysiology and in vivo imaging approaches, and he has published over 130 journal articles (with $\approx 5,000$ citations) in this area. This has included discoveries of transmitter switching at single inhibitory synapses and impact of changes in Cl homeostasis on inhibitory transmission in development and injury. Over the past decade Nabekura has been amongst the pioneers in applying two-photon imaging to investigate neural circuit plasticity in the living brain. In particular, the work of his group focuses on how glia contribute to cortical circuit plasticity during development and learning, and during the rewiring that occurs after injury. They have recently reported on microglia as surveyors of cortical synapse integrity in health and ischemic brain, and how astrocytes contribute to synapse and circuit rewiring in chronic pain conditions. Nabekura also plays a prominent role in Science leadership in Japan, having served as a Senior Program Officer for both the Ministry of Education, Sports, Science and Technology and the Japan Society for Promotion of Science.



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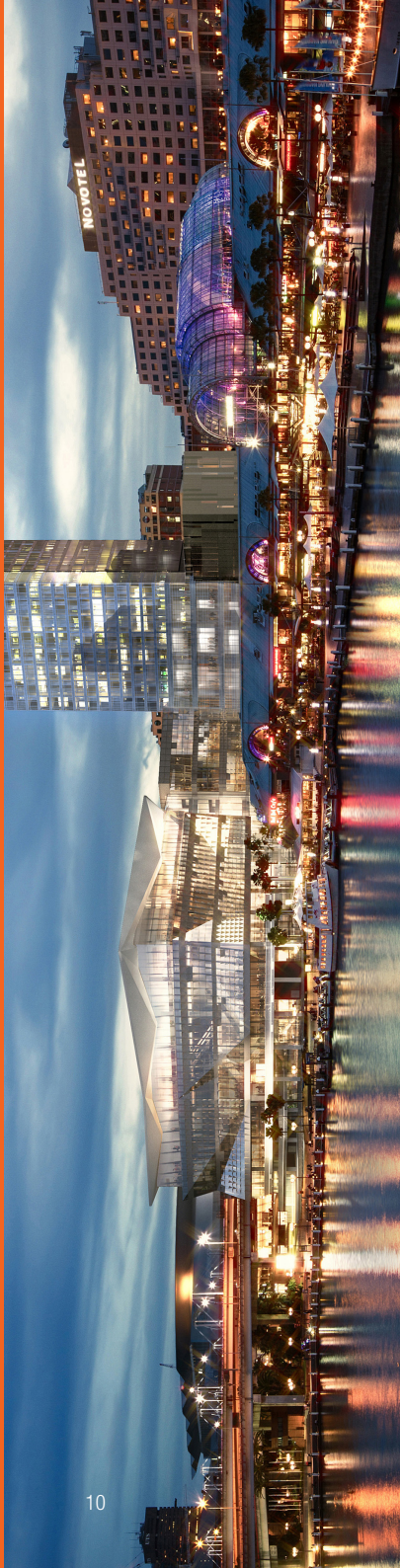
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PROGRAM DAY 1 – SUNDAY 3 DECEMBER

10:15am – 7:00pm	Registration Desk Opens ICC Level 3 (outside the Gallery)
12:30pm	SESSION # 1 – Imaging workshop I ICC Level 3 Room C3.4/C3.5
Session Chair 10:30 – 11:15	Phil Robinson (Children's Medical Research Institute & The University of Sydney) and Joanne Jang (The University of Queensland)
11:15 – 11:35	Daniel Choquet (University of Bordeaux, France) "Nanoscale imaging of synapse organization to understand function"
11:35 – 11:55	Roland Brandt (University of Osnabrück, Germany) "What can we learn about the structure and function of stress granules by advanced imaging application in living cells?"
11:55 – 12:15	Fred Meunier (University of Queensland, Brisbane) "Nanoscale organization of the exocytic machinery"
12:15 – 12:30	Jean-Baptiste Sibarita (University of Bordeaux, France) "Multidimensional quantitative single molecule imaging of biological structures"
	Ruth Redman (Carl Zeiss Microscopy GmbH, Singapore) "2D and 3D light and electron correlative microscopy study of neuronal spine formation"
12:30pm – 1:30pm	Lunch

1:30pm – 3:30pm	SESSION # 2 – Imaging workshop II <i>ICC Level 3 Room C3.4/C3.5</i>
Session Chair 1:30 – 2:15	Roland Brandt (University of Osnabrueck, Germany) and Alexandra Suchowerska (The University of New South Wales)
2:15 – 2:30	Junichi Nabekura (National Institute for Physiological Sciences, Japan) <i>"In vivo imaging: from synapses to neuronal circuits"</i>
2:30 – 2:45	Sandra Fok (University of New South Wales) <i>"Tissue clearing techniques"</i>
2:45 – 3:00	John Van Horn (USC Mark and Mary Stevens Neuroimaging and Informatics Institute) <i>"Analysis of white matter connectivity affirms the claustrum as a member of the rich club network of the human brain."</i>
3:00 – 3:15	Merja Joensuu (Queensland Brain Institute, The University of Queensland) <i>"Visualizing endocytic recycling and trafficking in live neurons by subdiffractional tracking of internalized molecules"</i>
3:15 – 3:30	Sangwon Yoo (The University of Melbourne) <i>"Identifying neuropathological deficits in the cuprizone model of demyelination by utilising a novel imaging technique"</i> Mark Hackett (Curtin University) <i>"Multi-modal imaging techniques to study the chemical biology of brain disease"</i>
3:30pm – 5:30pm	ANS Student Body Committee Career Development Symposium <i>ICC Level 3 Room C3.4/C3.5</i>
3:30 – 4:20	Symposium 1: Grant and fellowship writing tips Lezanne Ooi (University of Wollongong)
4:30 – 5:20	Symposium 2: Post PhD pathways Stu Fillman (Cresco Pharma) - Industry Dion Petriou (Science and Technology Australia) - Science communication Christelle Damiens (Exportia) - Science communication
6:00pm – 8:45pm	Welcome Reception, Exhibition & Posters <i>The Gallery (Level 3)</i>



PROGRAM DAY 2 – MONDAY 4 DECEMBER

7:30am	Registration Desk Opens					
8:15am – 8:30am	Opening Ceremony and Official Welcome <i>Darling Harbour Theatre</i>					
8:30am – 9:30am	Plenary 1 – ANS Plenary Lecture – Prof Jürgen Götz (Queensland Brain Institute, The University of Queensland) <i>Darling Harbour Theatre</i>					
9:30am – 10:00am	Morning Tea Break, Exhibition and Poster Displays <i>The Gallery (Level 3)</i>					
10:00am – 12:00pm	SESSION # 3 – Symposium					
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4	Meeting Room C3.6
	Symposium 1 Getting nervous about immunity	Symposium 2 Breaking the boundaries of myelin pathology: what can we learn from different disease states	Symposium 3 Recent breakthroughs in the research towards the neuronal basis of consciousness	Symposium 4 Synapse under the nanoscope	Symposium 5 Why do we overeat? Unravelling the neuronal mechanisms underlying food intake	Symposium 6 New mechanisms and treatments for motor neuron disease
Session Chairs	Keith Kelley (University of Illinois, USA)	Carlie Cullen (University of Tasmania)	Naotsugu Tsuchiya (Monash University)	Ramón Martínez-Mármol (The University of Queensland)	Robyn Brown (Florey Institute of Neuroscience and Mental Health)	Adam Walker (Macquarie University) Julie Atkin (Macquarie University)

10:00 – 10:30	William A. Banks (University of Washington, USA) "The blood-brain barrier as an interface between the brain and the peripheral immune system"	Anna Williams (Centre for Regenerative Medicine, Edinburgh, UK) "Remyelination strategies in Multiple Sclerosis"	Joel Pearson (The University of New South Wales) "From hallucinations to the imagination: Seeing what's not there and measuring it"	Daniel Choquet (Université Bordeaux, France) "Nanoscale imaging of the synapse"	Amy Riechelt (MIT) "Impact of obesogenic diets on social behaviours, reward neurotransmission and gut microbiota in adolescent rats"	Aaron Gitler (Stanford, USA) "Therapeutic reduction of ataxin 2 extends lifespan and rescues pathological features of ALS in mice"
10:30 – 11:00	Erica K. Sloan (University of California Los Angeles, USA) "Neural regulation of lymphatic vasculature: New mechanisms of immune regulation and tumor progression"	Liz Milward (The University of Newcastle) "Iron and myelin: shared mechanisms in rare and common brain disease"	Makiko Yamada (National Institute for Quantum and Radiological Science and Technology, Japan) "The emergence of positive illusion: integrating from molecules to neural responses, to the self"	Merja Joensuu (The University of Queensland) "Heterogeneous motion states of synaptic vesicles revealed by subdiffractional tracking of internalized molecules"	Yeka Aponte (NIDA/NIH, USA) "Cracking neuronal circuits that drive survival behaviors using novel optical methods"	Tracey Dickson (University of Tasmania) "Getting the balance right: targeting excitatory dysfunction in the ALS cortex"
11:00 – 11:30	Peter M. Grace (University of Texas, USA) "Central immune signaling as a regulator of pain chronicity"	Anthony Don (University of Sydney) "Loss of Myelin Lipid Homeostasis as a Key Sensitizing Factor for Alzheimer's Disease"	Olivia Carter (University of Melbourne) "Pupil dilation as a means to assess consciousness and cognition in non-responsive patients"	Jürgen Götz (The University of Queensland) "Amyloid-β and Tau control Fyn lateral trapping in nanoclusters of dendritic shaft and spines respectively"	Antonio Verdejo-Garcia (Monash Institute of Cognitive and Clinical Neurosciences) "Brain reward system alterations in individuals with obesity"	Peter Crouch (University of Melbourne) "Therapeutically targeting copper malfunction to treat sporadic ALS"
12:00pm – 12:30pm	Lunch, Exhibition and Poster Displays The Gallery (Level 3)					

PROGRAM DAY 2 – MONDAY 4 DECEMBER

12:30pm – 1:45pm	Australian and New Zealand Brain Bee Challenge – National Final <i>Darling Harbour Theatre</i>					
1:45pm – 3:45pm	SESSION # 4 – Symposia and Oral Sessions					
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4	Meeting Room C3.6
	LOC Symposium 7 Cytoskeleton-dependent regulation of neuronal network formation	Symposium 8 Novel neural circuits and plasticity regulating stress and stressor responses	Symposium 9 Sensory neuroscience and bionics	Oral 1 Cognition and behaviour I	Oral 2 Motor neuron disease I	Oral 3 CNS disease
Session Chairs	Fred Meunier (The University of Queensland) Thomas Fath (The University of New South Wales)	Sarah Spencer (RMIT University) Zane Andrews (Monash University)	Ingvars Birznies (The University of New South Wales) Richard Vickery (The University of New South Wales)	Anthony Hannan (Florey Institute of Neuroscience and Mental Health) Conrad Lee (ANU)	Peter Crouch (University of Melbourne) Rachelle Balez (University of Wollongong)	Arne Iltner (UNSW Jess) Nithianantharajah (Florey Institute of Neuroscience and Mental Health)
1:45 – 2:00	Mike Fainzilber (Weizmann Institute of Science, Israel) "Motor-Driven RNA Localization in Neuronal Growth Control"	Cecilia J. Hillard (Medical College of Wisconsin, USA) "Endocannabinoid signaling and glucocorticoid effects in the brain"	Sliman Bensmaia (University of Chicago, USA) "Biological and Bionic Hands: Natural Neural Coding and Artificial Perception"	Malinda Tantirigama (The Australian National University) "Cellular events critical for odour habituation in the mouse cortex in vivo"	Lezanne Ooi (University of Wollongong) "Increased phosphorylated and insoluble tau in induced pluripotent stem cell- derived motor neurons from amyotrophic lateral sclerosis patients"	Tertia Purves-Tyson (NeuRA) "Inflammatory cytokines are elevated in the midbrain in schizophrenia and following maternal immune activation"

2:00 – 2:15				Christina Perry (Florey Institute of Neuroscience and Mental Health) "Chronic alcohol produces specific cognitive deficit"	Shu Yang (Macquarie University) "Using ALS patient skin fibroblasts for the discovery and assessment of rapid diagnostic and prognostic biomarkers"	Yvette Wilson (The University of Melbourne) "Characterization of the functional role of <i>Sez6l2</i> , an autism candidate gene, in motor, social and cognitive behaviours"
2:15 – 2:30	Alla Kostyukova (USA) (Washington State University) "Tropomodulins - new players in dendrite formation"	Andrew M. Allen (The University of Melbourne) "Identification of pathways involved in the autonomic responses to interoceptive stressors"	David McAlpine (Macquarie University) "How the brain creates a sense of auditory space"	James Peak (University of New South Wales) "Projections from the dorsomedial striatum to the substantia nigra are important for goal-directed learning"	Merryn Brett (University of New South Wales) "Novel mouse model of amyotrophic lateral sclerosis with a <i>profilin 1</i> mutation"	Monica Langiu (Florey Institute of Neuroscience & Mental Health) "GPR88 modulates cognitive behaviour relevant to psychiatric disorders"
2:30 – 2:45				Khalid Khan (Kuwait University) "Effects of intraventricular infusion of quinalinic acid on spatial learning and memory in young rats"	Jacinta Conroy (The University of Queensland) "A protective role for complement in <i>c3ar</i> activation in <i>sod1g93a</i> mice"	Iain Perkes (University of New South Wales) "Pavlovian-to-instrumental transfer impairment in people with obsessive-compulsive disorder: compulsions correlated orbitofrontal cortex hyperactivity and cortical disconnection"

PROGRAM DAY 2 – MONDAY 4 DECEMBER

SESSION # 4 – Symposia and Oral Sessions continued						
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4	Meeting Room C3.6
1:45pm – 3:45pm	Massimo Hilliard (The University of Queensland) "Role of the cytoskeleton in axonal maintenance"	Karl Iremonger (University of Otago) "Plasticity in hypothalamic stress circuits"	Mohit Shivasani (University of Melbourne) "Bionic Vision in Australia – Journey from Benchtop to Clinical Trials and the Future".	Nathan Holmes (University of New South Wales) "The molecular events underlying consolidation of newly formed and updated fear memories in the basolateral amygdala"	Marta Vidal (Macquarie University) "Identification of a novel extracellular isoform of fused in sarcoma (fus)"	Ben Gu (The Florey Institute of Neuroscience and Mental Health) "Multiple phagocytosis related factors underpin the pathogenesis of age-related macular degeneration"
3:00 – 3:15				Mihaela Iordanova (Concordia University) "Dopamine Transients in the Ventral Tegmental Area Reduce Prediction Error about Aversive Outcomes"	Prachi Mehta (Macquarie University) "Apolipoprotein D (APOD) as a potential new blood protein biomarker for motor neuron disease (MND)"	Hannah Loke (Hudson Institute of Medical Research) "Regulation and function of the y-chromosome gene, SRY, in an animal model of attention-deficit hyperactivity disorder (ADHD)"

3:15 – 3:30	Yazi Ke (The University of New South Wales) "Diverse Roles of Actin Regulation in Alzheimer Mice"	Chris Dayas (University of Newcastle & the Hunter Medical Research Institute) "Optogenetic dissection of novel pathways controlling the HPA axis"	Americo Migliaccio (The University of New South Wales & NeuRA) "A device that improves balance and vision in patients with injury to the balance organs"	Leigh Walker (Florey Institute of Neuroscience and Mental Health) "Pattern and phenotype of neural activation following yohimbine- induced reinstatement of alcohol seeking"	Anna King (University of Tasmania) "Regulation of the cytoskeleton by ALS/ FTD protein TDP-43 and implications for neurodegeneration"	Jay Shukla (The Florey Institute of Neuroscience and Mental Health/ University of Melbourne) "Brain region specific changes in metals and proteins in a mouse model of multiple system atrophy"
	3:30 – 3:45			Wei Wei (Queensland Brain Institute) "DNA repair regulates temporal coding of gene transcription required for memory consolidation"	Jennifer Fifita (Macquarie University) "Multidisciplinary strategies for discovery of novel MND genes"	Yan Li (The Fourth Military Medical University) "NDRG2 deficiency leads to attention deficits and hyperactive behaviors"
3:45pm – 4:15pm	Afternoon Tea, Exhibition and Poster Displays The Gallery (Level 3)					

PROGRAM DAY 2 – MONDAY 4 DECEMBER

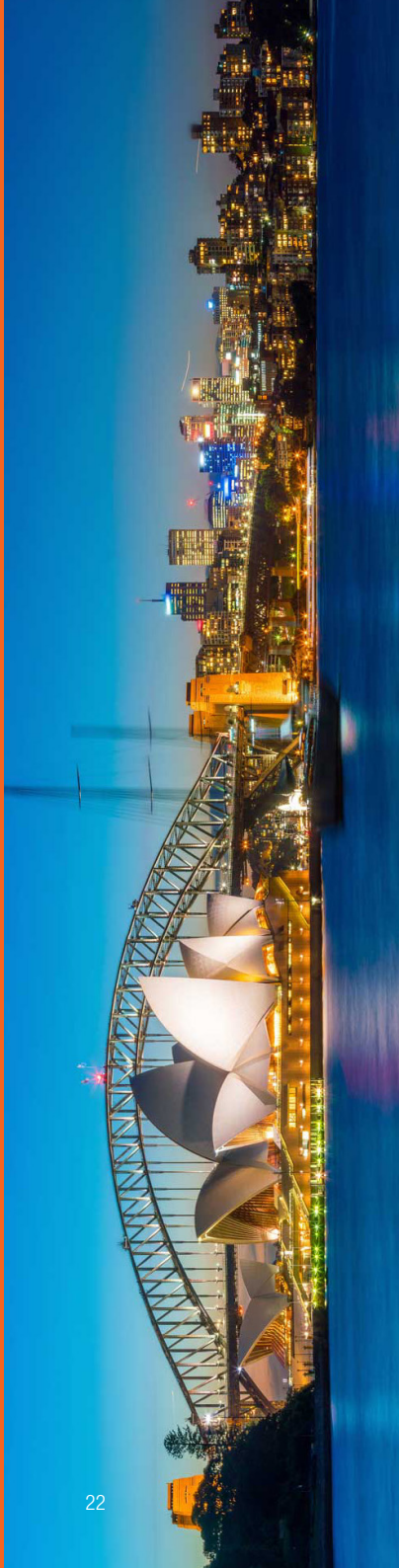
SESSION # 5 – Oral Sessions						
4:15pm – 5:45pm	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4	Meeting Room C3.6
	Oral 4 Parkinson's disease	Oral 5 Glia	Oral 6 Cognition & Behaviour II	Oral 7 Sensory systems	Oral 8 Motor neuron disease II	Oral 9 Genomics & proteomics
Session Chairs	Nick Dzamko (University of Sydney) Asheeta Prasad (UNSW)	Jessica Fletcher (University of Melbourne) Melinda Fitzgerald (University of Western Australia)	James Vickers (University of Tasmania) Virginie Lam (Curtin University)	John Morley (Western Sydney University) Sean Millard (University of Queensland)	Anna King (University of Tasmania) Kelly Williams (MQ)	Greg Sutherland (University of Sydney) TBA
4:15 – 4:30	Farzaneh Atashrazm (University of Sydney) "Glucocerebrosidase activity in peripheral mononuclear cells from Parkinson's disease patients"	Jana Vukovic (University of Queensland) "Depletion of microglia improves spatial learning and promotes hippocampal neurogenesis following traumatic brain injury"	Sarah-Jane Leigh (University of New South Wales) "Oral minocycline hydrochloride reverses hippocampal-dependent cognitive impairment associated with cafeteria diet after the onset of obesity"	Jason Ivanusic (The University of Melbourne) "Piezo2 contributes to altered excitability of aδ bone marrow nociceptors"	John Lee (University of Queensland) "The pathogenic role of complement C5a receptor, C5aR1 in the SOD1G93A mouse model of motor neurone disease"	Fleur Garton (University of Queensland) "Multi-ethnic analyses of exome data for insight into the etiology of ALS"

4:30 – 4:45	Jianqun Gao (The University of Sydney) "Accumulation of endogenous alpha-synuclein following treatment of neurons with alpha-synuclein fibrils"	Laura Morcom (Queensland Brain Institute) "DCC signaling regulates glial cell morphology to initiate glial-mediated interhemispheric midline remodeling and corpus callosum formation"	Jaisalmer De Frutos (Universidad Autónoma De Madrid) "Does bilingualism affect functional connectivity in highly educated older adults?"	Ehsan Kheradpezhoh (Australian National University) "TRPA1 modulation of information processing in mice somatosensory cortex"	Maxinne Watchon (The University of Sydney) "Treatment with sodium valproate improves the motor behaviour of transgenic spinocerebellar ataxia-3 zebrafish"	Guinevere Fernandes Lourenço Dale (University of New South Wales/NeuRA/The University of Sydney) "Whole transcriptome analysis (RNA-Seq) reveals distinct gene and isoform expression profiles and alternative splicing defects in c9orf72-related and sporadic frontotemporal lobar degeneration (FTLD-TDP)"
4:45 – 5:00	Yujing Gao (Murdoch Childrens Research Institute) "Generation and characterisation of novel stem cell and mouse models to investigate the molecular basis of RAB39B-mediated Parkinson's disease."	Anthony Boghdadi (Monash University) "A novel transient glial interaction following ischaemic stroke in the marmoset"	George Kalatzis (University of Technology Sydney) "Exploring cognitive function in diabetes and non-diabetes samples using electroencephalography (EEG) and psychometric assessment: a comparative study"	Alexandria Driessen (University of Melbourne) "Airway sensory inputs to the paratrigenital nucleus regulate cough and the perception of noxious airway irritations"	Serene Gwee (Macquarie University) "Aurora Kinase B (AurKB) is involved in the modulating the neuronal development of zebrafish spinal motor neurons"	Magdalena Przybyla (University of New South Wales) "Identification of modifier genes that protect against tau induced diseases"

PROGRAM DAY 2 – MONDAY 4 DECEMBER

SESSION # 5 – Oral Sessions continued						
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4	Meeting Room C3.6
5:00 – 5:15	Jin Sung Park (Kolling Institute) "Therapeutic potential of nix-mediated mitophagy in PINK1/PARKIN-related Parkinson's disease"	Junhua Xiao (University of Melbourne) "TrkB signaling in neurons regulates oligodendroglial development and CNS myelination"	Kathryn Baker (School of Psychology, University of New South Wales) "A high-fat high-sugar diet-induced impairment of fear inhibition and place-recognition memory in adolescent rats"	Gilles Vanwallegheem (The University of Queensland) "A whole-brain analysis of water-flow responses in larval zebrafish"	Mary-Louise Rogers (Flinders University) "Urinary P75 neurotrophin receptor extracellular domain: a biomarker relevant to MND therapy development"	Paul Lockhart (MCRI) "A novel method to identify pathogenic repeat expansions in exome and genome sequence datasets- enhancing the clinical utility of next generation sequencing"
5:15 – 5:30	Eduardo Albornoz Balmaceda (The University of Queensland) "The inflammasome component ASC plays a pathological role in Parkinson's disease"	Georgina Craig (The University of Melbourne) "New insights into the mode of oligodendrocyte production throughout development"	Rebecca Norris (Florey Institute) "Mice lacking the synaptic protein neuregulin-3 show altered cognition in a battery of touchscreen tests"	Conrad Lee (Australian National University) "Neuronal correlates of sensory prioritization in rats"	Martina Pigoni (German Center for Neurodegenerative Diseases) "Seizure protein 6 and its homolog seizure 6-like are main substrates of BACE1: validation and function"	Timothy Lynagh (University of Copenhagen) "Evolution of acid- sensing ion channels"

5:30 – 5:45	Bolek Zapiec (Max Planck Research Unit for Neurogenetics) "Three-dimensional reconstructions reveal a ventral glomerular deficit in Parkinson's olfactory bulb"	Lulu Xing (Monash University) "Neural progenitor cells contribute to regeneration of oligodendrocyte progenitor cells after pharmacogenetic ablation in the adult mouse brain"	Adam Walker (Monash University) "Aspirin blocks cancer- induced cognitive impairment"	Naotsugu Tsuchiya (Monash University) "Isoflurane reduces low- frequency feedback, but leaves high- frequency feedforward intact, in the fruit fly brain"	Vidya Krishnan (The University of Western Australia) "Loss of VGLUT1 excitatory terminals on motor neurons in lumbar ventral horn of 27 months old male C57BL/6J mice"	Mark Graham (Children's Medical Research Institute) "Profiling pre-synaptic terminal depolarisation and post-stimulus using phosphoproteomics"
5:45pm – 6:00pm	Break/Walking time					
6:00pm – 7:15pm	Plenary 2 – Eccles Plenary Lecture – Prof Kathryn North (Murdoch Children's Research Institute) <i>Darling Harbour Theatre</i>					
7:30pm – 9:30pm	Student and Early Career Networking Evening <i>The Gallery Foyer (Level 3)</i>					
7:30	Welcome					
7:40	Round 1 commences – 4 x 10min sessions (2 min intro, 7 min Q&A, 1 min transition)					
8:20	Break for drinks/food					
8:40	Round 2 commences – 5x 10 min sessions					
9:30	Evening close/free time for participants to continue socialising					
	Drinks, Exhibition and Poster Displays <i>The Gallery (Level 3)</i>					



PROGRAM DAY 3 – TUESDAY 5 DECEMBER

7:30am	Registration Desk Opens				
7:00am – 8:00/8:30am	Brain Bee Committee Meeting ICC Level 3 Room C3.1	ANS Equity Committee Meeting ICC Level 3 Room C3.2			
8:00am – 8:30am	Exhibition and Poster Displays The Gallery	NB: Interested parties are invited to attend from 8am to ask questions and/or say “hello”			
8:30am – 9:30am	Plenary 3 – International Plenary Lecture – Prof Junichi Nabekura (National Institute of Physiological Sciences (NIPS) Japan)				
9:30am – 10:00am	Darling Harbour Theatre				
	Morning Tea Break, Exhibition and Poster Displays The Gallery (Level 3)				
10:00am – 12:00pm	SESSION # 6 – Oral Sessions				
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4
	Oral 10 Dementia and aging	Oral 11 Auditory and visual	Oral 12 Neurodevelopment & neuroanatomy	Oral 13 Injury and repair	Oral 14 Synaptic function and plasticity
					Oral 15 Autonomic nervous system and metabolism

Session Chairs	Majd Shoreh (Flinders University) Alina Arulsamy (University of Adelaide)	Juliette Cheyne (University of Auckland) Jennie Cederholm (UNSW)	David Reser (Monash University) Zarina Greenberg (University of South Australia)	Jana Vukovic (The University of Queensland) Theresa Sutherland (University Technology Sydney)	Mark Graham (CMRI) Rebecca Norris (Florey Institute)	Pascal Carrive (UNSW) Phil Jobling (UoN)
10:00 – 10:15	Michael Lardelli (The University of Adelaide) "Aged vertebrate brains show a conserved failure to respond to hypoxia – a metabolic foundation for Alzheimer's disease?"	Sam Merlin (Western Sydney University) "Optogenetic silencing of feedback to primary visual cortex alters receptive field size and response gain"	Dhanisha Jhaveri (The University of Queensland) "Regulation and contribution of distinct neurogenic precursors in the adult mouse brain"	Jenny Gunnensen (University of Melbourne) "Peripheral nerve injury-induced heat hyperalgesia and TRPV1 responses are attenuated in mice lacking seizure protein 6 (SEZ6)"	Brian Billups (Australian National University) "Maintaining glutamatergic transmission: the role of presynaptic glutamine transport in the brainstem and hippocampus"	Michal Toborek (University of Miami, School of Medicine) "Bioenergetic regulation at the blood-brain barrier: role of occluding"
10:15 – 10:30	Arne Iltner (University of New South Wales) "Amyloid- β toxicity in Alzheimer's mice is inhibited by site-specific phosphorylation of tau"	Nicholas Price (Monash University) "Nonlinear temporal integration of visual motion"	Ebrahim Mahmoudi (University of Newcastle) "CIRC-Seq analysis revealed complexity of circular RNA expression in the brain with potential as miRNA sponges"	Rohan Walker (University of Newcastle) "Why hasn't the garbage been collected? Understanding the relative contributions of glymphatic flow and metabolic proteostasis in the accumulation of neurotoxic proteins within the brain post-stroke"	James Daniel (Max Planck Institute of Experimental Medicine) "Sumo1- modification of proteins is not observed at synapses"	Andrea Harrington (University of Adelaide) "Identifying spinal cord dorsal horn neurons activated by colorectal mechanosensory input"

PROGRAM DAY 3 – TUESDAY 5 DECEMBER

SESSION # 6 – Oral Sessions continued						
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4	Meeting Room C3.6
10:30 – 10:45	Rachelle Balez (Illawarra Health and Medical Research Institute) "Altered distribution and neuroprotective effect of alpha-tocopherol in sporadic Alzheimer's disease induced pluripotent stem cell derived neurons"	Ulrike Grunert (University of Sydney) "Retinal ganglion cell types projecting to the pulvinar and superior colliculus in marmoset"	Wei Luan (The University of Queensland) "Maternal vitamin D treatment reverses maternal immune activation induced alterations in mesencephalic dopamine neurogenesis"	Jennifer Keller (University of Melbourne) "Modelling sensory neuron plasticity in pulmonary disease using primary and stem cell derived sensory neurons"	Angelo Keramidas (The University of Queensland) "Inhibitory synapse deficits caused by familial alpha1 GABAA receptor mutations in epilepsy"	Paul Mirabella (Monash University) "Glucose-sensing neurons of the mediodorsal hypothalamus project to brown adipose tissue (BAT)"
10:45 – 11:00	Pratishtha Chatterjee (Macquarie University) "Kynurenine pathway metabolites, as potential blood markers for the diagnosis of preclinical Alzheimer's disease"	Leo Lui (Monash University) "Fewer cells in the middle temporal area represent visual space inside the scotoma after chronic lesions of the primary visual cortex"	Angela Laird (Macquarie University) "Exploring the role of micro rna-218 in motor neuron development"	Leon Teo (Australian Regenerative Medicine Institute) "Reactivating infant scarring pathways to attenuate glial scarring and improve functional sparing after stroke in adults"	Dennis Cheung (University of New South Wales, Sydney) "Upregulating KCC2 as a target for seizure therapies"	Mathusi Swaminathan (University of Melbourne) "Mice lacking alpha- synuclein have altered cholinergic function in the colon"

11:00 – 11:15	Sonia Sanz Muñoz (Wollongong) "Extracellular apolipoprotein E 25 kDa n-terminal fragment formation is regulated by high-temperature requirement serine peptidase A1"	Eugenia Zhi Wei Poh (The University of Western Australia) "Online repetitive transcranial magnetic stimulation during a visual learning task: differential impacts on visual circuit and behavioural plasticity in adult ephrin-A2A5-/- mice"	Zhe Zhang (The University of Queensland) "Loss of the sulfate transporter SLC13A4 activity during neonatal development causes autism-like behaviours in adult mice"	Mian Bi (University of New South Wales) "Tau depletion ameliorates NMDA-receptor mediated excitotoxicity and injury in stroke"	Sumasri Guntupalli (Queensland Brain Institute) "GLUA1 subunit ubiquitination mediates amyloid- β -induced loss of surface AMPA receptors"	Lin Yung Hung (University of Melbourne) "Perturbation of gut bacteria by antibiotic vancomycin reduces serotonin production and disrupts enteric nervous system development in early postnatal mice"
11:15 – 11:30	Virginie Lam (Curtin Health Innovation Research Institute) "Vitamin D, cerebrocapillary integrity and cognition in murine model of accelerated ageing"	Srdjan Vljakovic (The University of Auckland) "Purinergic signaling modulates aminoglycoside ototoxicity"	Andrew Shoubridge (SAHMRI) "A time-course study of dendritic spine morphology and density in a paediatric lysosomal storage disorder"	Hannah Timmins (The University of Sydney) "Neurophysiological dysfunction associated with chemotherapy-induced peripheral neuropathy in cisplatin treated patients"	Jocelyn Widagdo (The University of Queensland) "The activity-induced long non-coding RNA MEG3 modulates AMPA receptor surface expression in primary cortical neurons"	Khalid Elsaafien (The Florey Institute of Neuroscience and Mental Health) "The role of the chemoattractant CCL2 and leukocytes in neurogenic hypertension"

PROGRAM DAY 3 – TUESDAY 5 DECEMBER

SESSION # 6 – Oral Sessions continued						
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4	Meeting Room C3.6
11:30 – 11:45	Alexander Volkerling (University of New South Wales) "LKB1 and tau phosphorylation in Alzheimer's disease"	Jeremy Pinyon (University of New South Wales) "Bionic array directed gene electrotransfer of a neurotrophin encoding plasmid free of antibiotic resistance genes enables cochlear nerve regeneration"	Magdalena Lam (Macquarie University) "The ultrastructure of spinal cord perivascular spaces: implications for the circulation of cerebrospinal fluid"	Lin Kooi Ong (University of Newcastle) "Somatotropin (growth hormone) as neuro-restorative therapy after stroke"	Andrea Kwakowsky (University of Auckland) "Age- and gender-specific expression changes of GABAA receptor subunits in the human cortex"	Alice McGovern (University of Melbourne) "A novel role of the descending analgesia system in the regulation of vagal reflexes"
11:45 – 12:00	Wickliffe Abraham (University of Otago) "Glutamate receptor trafficking and protein synthesis mediate the facilitation of LTP by secreted amyloid precursor protein-alpha"	Stephen Lomber (University of Western Ontario) "Vocalization processing regions of auditory cortex mediate enhanced face discrimination abilities of the congenitally deaf"	Charles Watson (University of Western Australia) "Remarkable hippocampal CA1 expansion in terrestrial ungulates and carnivores"	Rosina Giordano-Santini (The University of Queensland) "Behavioural consequences of neuronal cell-cell fusion"	Kathryn Munro (The University of Melbourne) "Knockout of seizure-related gene 6 (SEZ6) family proteins alters excitatory synapse formation, cognition and motor function"	Ian Johnston (The University of Sydney) "High fat high sugar diet increases impulsivity"
12:00pm – 1:30pm	Lunch, Exhibition and Poster Displays Presenters of Even numbered posters will be required to stand by their poster The Gallery (Level 3)					

1:30pm – 3:30pm	SESSION # 7 – Symposia					
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4	Meeting Room C3.6
Session Chairs	Symposium 10 Animals in Research	Symposium 11 How brains adapt to the world: A comparison of sensory processing in animal taxa off the beaten track	Symposium 12 Synaptic Dysfunction in Neurodegenerative Diseases	Symposium 13 Brain sex differences in health and disease: animal models to the clinic	Symposium 14 New function for glial cells in the Central Nervous System	Symposium 15 Emerging Strategies for Improving Stroke Outcomes
	Trichur Vidyasagar (The University of Melbourne) Marcello Rosa (Monash University)	Miriam Henze (The University of Queensland) Hanne Thoen (The University of Queensland)	Iryna Leshchynska (The University of New South Wales) Jocelyn Widagdo (The University of Queensland)	Rachel Hill (Monash University)	Junhua Xiao (University of Melbourne)	James Bourne (Monash University) Leon Teo (Monash University)
	1:30-1:50 Colin Blakemore (University of London, UK) "Doing science under fire" 1:50-2:10 Michael Goldberg (Colombia University College of Physicians and Surgeons, USA) "The Awake, Behaving Monkey: Triumph for Science, Target for Animal Activists"	Kara E. Yopak (University of North Carolina Wilmington, USA) "Is bigger always better? Developing quantitative measures of cognitive ability in sharks and their relatives" Wen-Sung Chun (The University of Queensland) "Cephalopods - Soft-bodied predators with big brains"	Lars M. Ittner (The University of New South Wales) "Regulation of post-synaptic signalling by the Alzheimer protein tau" Emily Handley (University of Tasmania) "TDP-43-mediated synaptic alterations in the pathogenesis of TDP43 proteinopathies"	Arthur P. Arnold (USA) (University of California, Los Angeles) "The Origins of Sex Differences in Brain Physiology and Disease: Hormones and Sex Chromosomes" Wah Chin Boon (The Florey Institute for Neuroscience and Mental Health) "The Influence of Steroid Hormones on Autism Development"	David Attwell (University College London, UK) "Control of brain blood flow by pericytes and astrocytes"	Brad Broughton (Monash University) "Acute or delayed post-stroke administration of human amnion epithelial cells improves outcomes"
2:00 – 2:30					Jiawei Zhou (Chinese academy of Sciences, China) "Balancing the innate immune system in the brain"	Renee Turner (University of Adelaide) "Improving clinical translation in stroke: Targeting cerebral oedema in an Ovine model"

PROGRAM DAY 3 – TUESDAY 5 DECEMBER

SESSION # 7 – Symposia continued						
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4	Meeting Room C3.6
1:30pm – 3:30pm	2:10-2:30 Jacqueline Phillips (Macquarie University) "Animals in Neuroscience Research: The Australian Situation"					
	2:30-2:50 Kirk Leech (European Animal Research Association) "Animal research time to talk"	Yuri Ogawa Kato (Macquarie University) "Visual adaptations in hymenopterans: Polarization sensitivity of honeybee ocelli"	Vladimir Sytnyk (The University of New South Wales) "Disruption in synaptic adhesion in Alzheimer's disease"	Joohyung Lee (Hudson Institute of Medical Research) "A Genetic Basis for Male Susceptibility to Neurological Disorders"	Ilan Gobius (University of Queensland) "Astroglia regulate interhemispheric connectivity in the developing brain"	Neil Spratt (University of Newcastle) "Short-duration hypothermia prevents intracranial pressure elevation and reduces infarct volume"
	2:50-3:30 Panel Discussion					
3:00 – 3:30		Ximena Nelson (University of Canterbury, NZ) "Can spiders get 'bored'?"	Victor Anggono (The University of Queensland) "The ubiquitination of AMPA receptors underlies Aβ-induced synaptic depression"	Nicolas Cherbuin (Australian National University) "Physical, brain and cognitive health: the subtle effect of sex"	Jessica Fletcher (The University of Melbourne) "TrkB activation promotes myelin repair in the brain"	Julie Bernhardt (The Florey Institute of Neuroscience and Mental Health) "Emerging rehabilitation interventions for people with stroke"

3:30pm – 4:00pm	Afternoon Tea, Exhibition and Poster Displays <i>The Gallery (Level 3)</i>
4:00pm – 4:30pm	AW Campbell Award Keynote – Dr Stephen Abbott <i>Darling Harbour Theatre</i>
4:30pm – 5:00pm	Nina Kondelos Award Keynote – Professor Naomi Wray <i>Darling Harbour Theatre</i>
5:00pm – 6:30pm	ANS Annual General Meeting <i>Darling Harbour Theatre</i>
6:30pm – 7:00pm	Break/Walking time
7:00pm – 10:45pm	Conference Gala Dinner <i>Starship Sydney</i>



11th International Conference on Frontotemporal Dementias

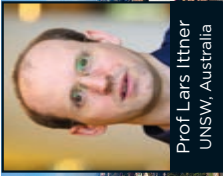
11 - 14 November 2018
International Convention Centre Sydney, Australia



Dr Gael Chételat
Inserm, France

KEY DATES

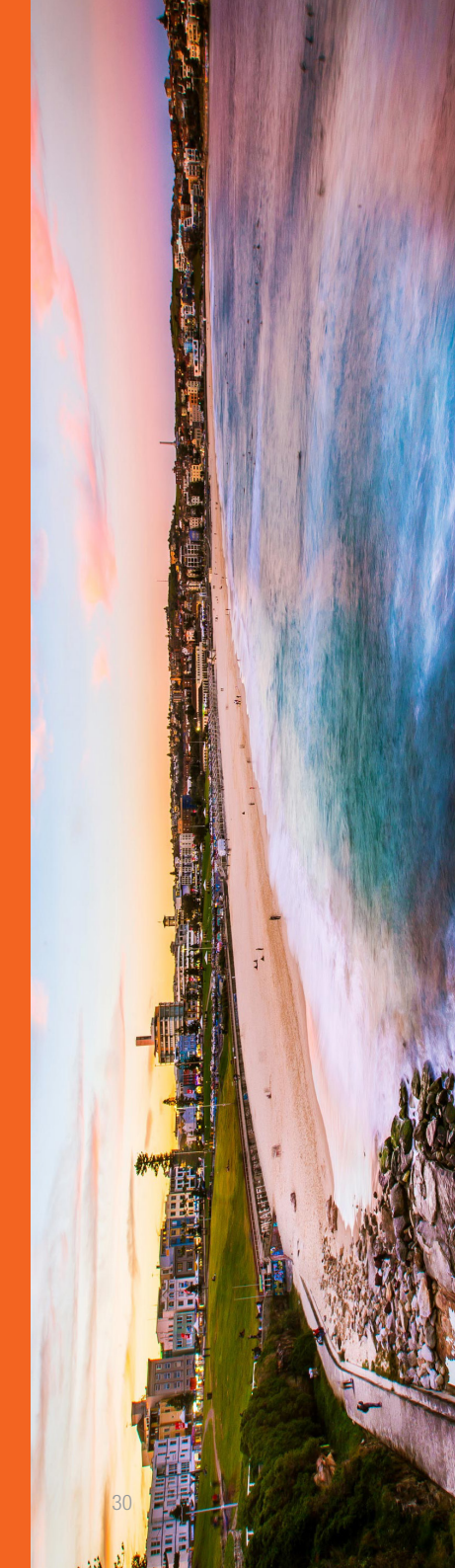
Call for Papers opens	1 March 2018
Call for Papers deadline	1 June 2018
Online Registration opens	1 May 2018
Early Bird deadline	6 August 2018



Prof Lars Ittner
UNSW, Australia

For further information please visit
www.icftd2018.org.au





PROGRAM DAY 4 – WEDNESDAY 6 DECEMBER

7:30am	Registration Desk Opens				
7:00am – 8:00am	ANS Student Body Committee Meeting <i>ICC Level 3 Room C3.1</i>				
9:30am – 9:45am	Exhibition and Poster Displays <i>The Gallery</i>				
10:00am – 12:00pm	SESSION # 8 – Symposia				
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4
	Symposium 16 Chronic neuroinflammatory mechanisms and their role in Parkinson's disease progression	Symposium 17 Evolution and development of neocortical circuits	Symposium 18 Motion Processing in Monkey Middle Temporal Area: Computations and Physiology	Symposium 19 Epigenetic mediators of brain function and dysfunction	Symposium 20 Knowing where you're going: comparative perspectives on a core problem
					Meeting Room C3.6 Symposium 21 Interrogating large scale brain circuits

Session Chairs	Trent Woodruff (The University of Queensland)	Leah Morcom (The University of Queensland)	Michael Ibbotson (Monash University)	Anthony Hannan (The Florey Institute of Neuroscience and Mental Health, University of Melbourne)	Andrew Barron (Macquarie University) Ajay Narendra (Macquarie University)	Yan Tat Wong (Monash University) Tristan Chaplin (Monash University)
10:00 – 10:30	Antony Cooper (Garvan Institute of Medical Research) "Neurogenomic analyses of multiple brain regions from idiopathic Parkinson's disease patients reveals insights into neuroinflammation"	Ken Ashwell (University of New South Wales) "Insights into the evolution of the mammalian neocortex from the study of monotremes"	Douglas Ruff (University of Pittsburgh, USA) "Multineuron approaches to studying attention"	John Mattick (The Garvan Institute of Medical Research) "Roles of regulatory RNA in brain development, function and disease"	Jochen Zeil (Australian National University) "Navigating brains: acquiring and using views for homing"	Bijan Pesaran (New York University, USA) "Transforming sensory inputs into motor acts: Insights from looking, reaching and speaking"
10:30 – 11:00	Nicolas Dzamko (University of Sydney) "Alpha-synuclein and LRRK2, it takes TLR2 to tango"	Charles Watson (University of Western Australia) "Development of the claustrum and insular cortex - lessons from gene expression"	James Bourne (Monash University) "Early-life lesions of the pulvinars alter visual cortical anatomy and behaviour"	Timothy Bredy (The University of Queensland) "DNA modification and experience-dependent plasticity: moving beyond 5mC"	Karin Nordstrom (Flinders University) "Hoverfly vision in naturalistic surrounds"	Saba Gharaei (Australian National University) "The role of superior colliculus in cortical processing of sensory information"

PROGRAM DAY 4 – WEDNESDAY 6 DECEMBER

SESSION # 8 – Symposia continued						
	Darling Harbour Theatre	Meeting Room C3.1	Meeting Room C3.2	Meeting Room C3.3	Meeting Room C3.4	Meeting Room C3.6
11:00 – 11:30	Juliet Taylor (The University of Melbourne) "Modulation of neuroinflammation in Parkinson's disease: role of the type-1 interferons"	David Reser (Monash University) "Claustrum connections to the cortical midline: A missing link in the evolution of cortical functional networks"	Elizabeth Zavitz (Monash University) "How is motion information transformed between V1 and MT?"	Ian Maze (Icahn School of Medicine at Mount Sinai, USA) "Chromatin dysregulation in Down syndrome and other brain disorders"	Adam Morris (Monash University) "How the primate visual system takes into account an ever-moving eye "	Andrew Zalesky (University of Melbourne) "Brain connectivity dynamics in health and disease "
11:30 – 12:00	Richard Gordon (The University of Queensland) "Targeting the NLRP3 inflammasome in PD using orally active small molecule drugs "	Rodrigo Suárez (The University of Queensland) "Evolution of cortical connectivity within and between hemispheres"	Anthony Burkitt (University of Melbourne) "A computational neural network model of pattern and component motion in area MT"	Terence Pang (The Florey Institute of Neuroscience and Mental Health, University of Melbourne) "Epigenetic mechanisms mediating transgenerational paternal transmission of acquired traits"	Franne Kamhi (Macquarie University) "Processing of spatial information by the ant brain "	Maureen Hagan (Monash University) "Examining how distributed networks communicate through hierarchical processing in the visual system "
12:00pm – 1:30pm	Lunch, Exhibition and Poster Displays Presenters of Odd numbered posters will be required to stand by their poster The Gallery (Level 3)					

1:30pm – 3:30pm	Presidential Symposium <i>Darling Harbour Theatre</i> Rafael Yuste (Kavli Institute for Brain Science) Shigeo Okabe (University of Tokyo) Sung-Jin Jeong (Hang Yang University, Seoul) Christoph Ebell (Human Brain Project) Caroline Montjojo (Kavli Foundation)
3:30pm – 4:00pm	Afternoon Tea, Exhibition and Poster Displays <i>The Gallery (Level 3)</i>
4:00pm – 5:00pm	Plenary 4 – The Lawrie Austin Plenary Lecture – Prof Andrew Lawrence (Florey Institute of Neuroscience & Mental Health) <i>Darling Harbour Theatre</i>
5:00pm – 5:30pm	Presentation of Awards and Conference Close <i>Darling Harbour Theatre</i>

Our research changes lives

We combine innovative science with outstanding clinical practice to find solutions to brain and mind conditions.

Our translational research spans neurodevelopment through to neurodegeneration, leading the way for diagnostic tools and therapeutic treatments that change lives worldwide. Join our team.

sydney.edu.au/brain-mind



PROGRAM INFORMATION

SPEAKER PREPARATION CENTRE

The Speaker Preparation Centre is located on the ground floor, next to the registration desk.

The Speaker Preparation Centre will be open at the following times:

Sunday, 3 December

7.00am – 5.00pm

Monday, 4 December

7.00am – 5.00pm

Tuesday, 5 December

7.00am – 5.00pm

Wednesday, 6 December

7.00am – 12.00pm

All oral presentation speakers are required to visit the Speaker Preparation Centre at least one hour prior to their scheduled presentation time to upload their presentation.

POSTERS

Poster presentation times will be as follows:

Tuesday, 5 December

12.00pm – 1.30pm (Even Numbers)

Wednesday, 6 December

12.00pm – 1.30pm (Odd Numbers)

Posters will be numbered prior to the conference and this information will be available online and at the registration desk. If you are unsure of your poster number and presentation time, please check with the staff at the Registration desk.

Posters will be on display throughout the conference. Poster presentations will take place during the scheduled lunch breaks on Monday 4th, Tuesday 5th and Wednesday 6th December.

Presenters of even numbered and odd numbered posters will be required to stand at their posters on Tuesday 5th and Wednesday 6th December respectively.



KEY EVENTS

WELCOME RECEPTION 🍷

Date: Sunday, 3 December
Time: 6.00pm – 8.00pm
Venue: The Gallery (Exhibition Area),
ICC Sydney
Dress: Smart Casual

Complimentary drink on arrival, with a cash bar operating. Canapes provided.

Please ensure you collect your name badge from the Registration Desk prior to attending the Welcome Reception. Tickets to the Welcome Reception will be available in your registration pack.

EARLY CAREER RESEARCHER ECR SOCIAL MIXER

Date: Monday, 4 December
Time: 7.00pm – 9.00pm
Venue: ICC Sydney
Dress: Smart Casual

Complimentary drink on arrival, with a cash bar operating. Canapes provided.

ANS ANNUAL GENERAL MEETING

Date: Tuesday, 5 December
Time: 5.00pm – 6.30pm
Venue: Darling Harbour Theatre,
ICC Sydney

CONFERENCE GALA DINNER – 🍷 SYDNEY HARBOUR BOAT CRUISE

Starship Sydney

Date: Tuesday, 5 December
Departure: Guests will be boarding from King Street Wharf 4. Please arrive at the wharf by 6.45pm.

Time: 7:00pm – 11:00pm
Dress: Smart Casual

The conference gala dinner is always the social highlight of the ANS Meeting. You will enjoy live music and a great selection of food and Australian wines while cruising the spectacular Sydney Harbour.



VENUE FLOOR PLAN



GROUND LEVEL



LEVEL ONE

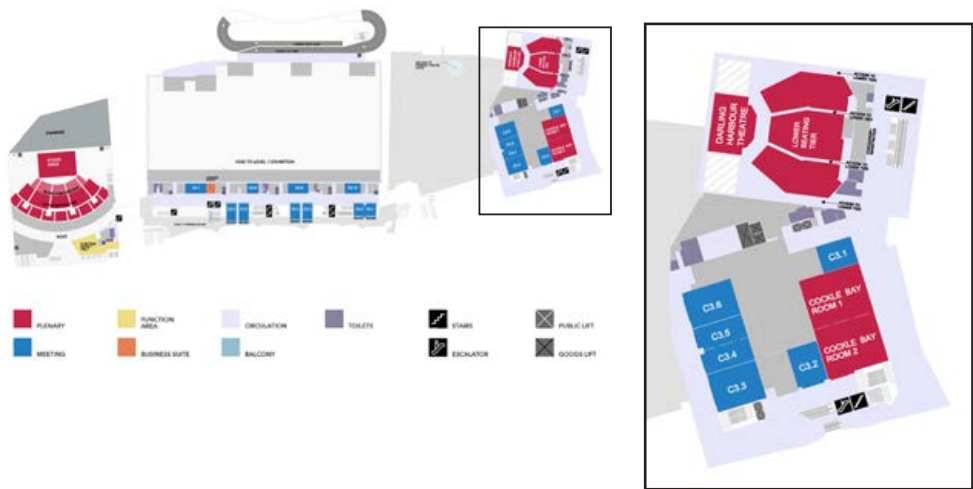


VENUE FLOOR PLAN

LEVEL TWO



LEVEL THREE



GENERAL INFORMATION

VENUE

The 2017 ANS Conference will be held at the International Convention Centre in Sydney which is located in the heart of its very own Sydney harbour waterfront precinct, set amongst restaurants, retail and a vibrant public domain on Darling Harbour yet only a moment's walk to Australia's largest CBD and surrounding university and cultural quarters.

REGISTRATION DESK

The registration desk will be open at the following times:

Sunday 3 December

10.15am – 7.00pm

Monday 4 December

7.30am – 7.00pm

Tuesday 5 December

7.30am – 6.30pm

Wednesday 6 December

7.30am – 4.00pm



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GENERAL INFORMATION

LOCAL TRANSPORT

Taxi Services

Taxis Combined

Phone: 133 300

www.taxiscombined.com.au

Premier Cabs

Phone: 13 10 17

www.premiercabs.com.au

Taxi Rank

The best taxi drop off and pick up locations include the new Iron Wharf Place next to Harbourside Shopping Centre and Zollner Circuit on the Southern end of ICC Sydney Theatre, both accessed via Darling Drive.

Public Transport

Opal Cards

Opal is the smartcard ticketing system used to pay for travel on public transport in Sydney, the Blue Mountains, Central Coast, the Hunter and the Illawarra. Add value before you travel and tap on and off to pay your fare.

More information on Opal cards can be obtained by calling 13 67 25 (13 OPAL).

Uber is also available in Sydney.

Train

Train Stations in the Sydney Central Business District (CBD) include Central, Museum, St James, Town Hall, Wynward, Circular Quay, Martin Place and Kings Cross. They are easy to travel between or to connect with services going to the northern, southern and western suburbs.

Ticket prices are generally based on the distance travelled.

Light Rail

The Light Rail travels right through a number of Darling Harbour stations including ICC Sydney's stops, Convention Centre and Exhibition Centre. The Light Rail starts at Central Station in the CBD and travels to Dulwich Hill in the inner west.

Bus

Buses operate right across Sydney, with priority routes in the Sydney Central Business District (CBD) along Elizabeth Street, Castlereagh Street, Park Street, Drutt Street, Clarence Street and York Street.

Ferries

Ferry Services across Sydney's world-renowned harbour leave from the terminal at Circular Quay and travel to a wide array of harbour side destinations including Taronga Zoo, Cockatoo Island, and suburbs such as Balmain, Kirribilli, Neutral Bay, Mosman and Rose Bay.

GENERAL INFORMATION

NAME BADGES

Each delegate registered for the conference will receive a badge at the registration desk. This badge will be your official pass to obtain entry to all sessions. For security and identification reasons, the name badge must be worn at all times during the conference. If your name badge is lost or misplaced, please contact the registration desk. Identification will be required to receive a replacement badge.

Small symbols will be located on the name badge, and will denote the following social functions:



Conference Gala Dinner



Welcome Reception

ECR Early Career Researcher Social Mixer

DRESS STANDARDS

All sessions and social functions require delegates to wear smart casual attire.

WI-FI

The International Convention Centre offers free Wi-Fi, and will be accessible to delegates for the duration of the conference. The Wi-Fi username is 'ICC Sydney' with no password required.

ABSTRACTS

The conference abstracts for both oral and poster presentations are available to view on the conference website. Please visit <http://ans2017.aomevents.com.au/> to view the abstracts online.

MOBILE PHONES

Please respect the presenter and other members of the audience by ensuring your mobile phone is switched off or turned to silent while you are in the sessions.

CATERING

Morning and afternoon tea will be provided on Monday and Tuesday, and will be served in the Exhibition Hall, The Gallery. Afternoon tea will also be provided on Wednesday, and served in the same area. Please note: Lunch is not included in conference catering. Delegates had the option to purchase a Boxed lunch for \$35 (per day) during the registration process.

The boxed lunch includes:

- Chef's selection of one sandwich or wrap
- Piece of whole seasonal fruit
- Energy Bar
- 1 bottle of spring or sparkling water

GENERAL INFORMATION

DISCOUNTED LUNCH OPTIONS

The following discounts are available exclusively to ANS 2017 delegates at the Harbourside Shopping Centre and Darling Quarter. Delegates are required to show retailers their name badge in order to obtain the discounts.

Retailer	Discount	Offers	Location
Coffee Box	15%		Level 3 Pymont Bridge end
Espress Grill	15%		Level 1 Food Court
HBK	15%		Level 2 Waterfront
Rashay's	15%	& \$5 Beer or Glass of Wine	Level 2 Food Court
Zaaffran	15%		Level 2 Waterfront
Yoforia	15%		Level 1 Food Court
Gloria Jeans	15%	Hot & Cold Drinks	Level 1 Food Court
Baskin Robbins	15%		Level 1 Food Court
Andersen's of Denmark	10%		Level 1 Food Court
The Port	10%		Level 1 Waterfront
Watershed	10%		Level 1 Waterfront
Cohi Bar	10%		Level 1 Waterfront
Dragon Boat	10%		Level 2 Waterfront
Fruit Burst	10%		Level 1 Food Court
Kazbah	10%		Level 1 Waterfront
Blue Fish	10%		Level 1 Waterfront
Guylian	10%		Shop 5-6, Darling Quarter
Gelatissimo	Buy one gelato, get one free		Shop 2, Darling Quarter
McDonalds	1) Free Apple Pie or Small Sundae with any Large value Meal purchase 2) \$3 Ham, Cheese and tomato Toasted Sandwich with any coffee purchase		Shop 1, Darling Quarter

GENERAL INFORMATION

PRIVACY POLICY

The All Occasions Group (encompassing All Occasions Management and All Occasions Travel (Member of My Travel Group) complies with all legislation which is designed to protect the rights of the individual to privacy of their information, including the Privacy Act 1988 (Cth).

Information collected with respect to your registration for participation in this conference will only be used for the purposes of planning, conduct of the event or communication regarding future events. These details may be made available to parties directly related to the conference including but not limited to the All Occasions Group, venues, accommodation and travel providers (for the purposes of room/travel bookings and conference options), key sponsors (subject to strict conditions) and other related parties as deemed necessary. It is also usual practice to produce a 'Delegate List' of attendees at the conference and to include the individual's details in such a list.

LIABILITY AND INSURANCE

In the event of industrial disruptions or natural disasters, the Australasian Neuroscience Society (ANS) the Organising Committee, and All Occasions Group cannot accept responsibility for any financial or other losses incurred by the delegates.

The ANS, the Organising Committee and the All Occasions Group take no responsibility for injury or damage to persons or property occurring during the conference. All insurance, including medical cover, or expenses incurred in the event of the cancellation of the conference is the individual delegate's responsibility.

Attendees are encouraged to choose a travel insurance policy that includes loss of fees/deposits through cancellation of your participation in the conference, or through the cancellation of the conference itself, loss of airfares for any reason, medical expenses, loss or damage to personal property, additional expenses and repatriation should travel arrangements have to be altered. The ANS, the Organising Committee, and All Occasions Group will take no responsibility for any participant failing to insure.

NOTES

Handwriting practice lines consisting of 20 horizontal dotted lines.



2017 MEETING OF THE
AUSTRALASIAN NEUROSCIENCE SOCIETY
37TH ANNUAL SCIENTIFIC MEETING

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