



First Name	Last Name	Organization	Paper Title	Poster Number	Presentation Date	Theme
Femke	Buisman-Pijlman	University of Adelaide	HOW CAN I USE ONLINE TOOLS IN MY TEACHING OF NEUROSCIENCE COURSES?	1	Wednesday 6th December	1. History of neuroscience and neuroscience teaching
Dominic	Hare	The Florey Institute Of Neuroscience And Mental Health	A HISTORY OF IRON AND PARKINSON'S DISEASE: (NEARLY) ONE HUNDRED YEARS IN TEN-TO-FIFTEEN MINUTES	2	Tuesday 5th December	1. History of neuroscience and neuroscience teaching
Sharna	Jamadar	Monash University	NEW ADVANCES IN SIMULTANEOUS BOLD-fMRI AND DYNAMIC [18F]FDG-PET IMAGING OF HUMAN BRAIN FUNCTION	3	Wednesday 6th December	2. New techniques in neuroscience
Adam	Martin	University Of New South Wales	Establishing neural networks in peptide hydrogels	4	Tuesday 5th December	2. New techniques in neuroscience
Lotta	Oikari	QIMR Berghofer Medical Research Institute	DEVELOPING A MICROFLUIDIC MODEL OF THE HUMAN BLOOD BRAIN BARRIER	5	Wednesday 6th December	2. New techniques in neuroscience
Hazel	Quek	Queensland Institute Of Medical Research Berghofer	Developing a 3D model system using microglia-like cells derived from human monocytes	6	Tuesday 5th December	2. New techniques in neuroscience
Etsuo A.	Susaki	Department Of Systems Pharmacology, Graduate School Of Medicine, The University Of Tokyo	CUBIC: A CELL-OMICS PLATFORM WITH TISSUE CLEARING, 3D IMAGING AND INFORMATICS	7	Tuesday 5th December	2. New techniques in neuroscience
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Debbie	Young	The University of Auckland	CHARACTERISATION OF A NOVEL MOLECULAR SWITCH FOR USE IN GENE THERAPY	9	Wednesday 6th December	2. New techniques in neuroscience
Rakesh	Balachandar	Simon Fraser University	IS ARTERIAL SPIN LABELLING A TOOL OF CHOICE TO INVESTIGATE ALZHEIMER'S DISEASE: A SYSTEMATIC REVIEW	10	Tuesday 5th December	2. New techniques in neuroscience
Harrison	Evans	Queensland Brain Institute	INVESTIGATING THE DE NOVO PROTOME IN NEURODEGENERATIVE DISEASES- A CLICK CHEMISTRY APPROACH	11	Wednesday 6th December	2. New techniques in neuroscience
Qiang	Ma	Peking Union Medical College	Dissecting dorsal raphe circuits with genetically-targeted technology	12	Tuesday 5th December	2. New techniques in neuroscience
Rucha	Pandit	Queensland Brain Institute	Understanding the effects of low-intensity ultrasound on a tau mouse model of Alzheimer's Disease	14	Tuesday 5th December	2. New techniques in neuroscience
Bhedita	Seewoo	The University of Western Australia	RESTING-STATE FMRI STUDY OF BRAIN ACTIVATION USING LOW-INTENSITY REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IN RATS	15	Wednesday 6th December	2. New techniques in neuroscience
Daniel	Tan	Unsw Sydney	GENERATION OF A NEW TAU KNOCKOUT MOUSE MODEL BY CRISPR/CAS9 GENOME EDITING	16	Tuesday 5th December	2. New techniques in neuroscience
Esmi	Zajackowski	Queensland Brain Institute	NEW APPROACHES TOWARDS SPATIOTEMPORAL CONTROL OF NASCENT RNA LABELLING IN NEURONS.	17	Wednesday 6th December	2. New techniques in neuroscience
Mark	Hackett	Curtin University	MULTI-MODAL IMAGING TECHNIQUES TO STUDY THE CHEMICAL BIOLOGY OF BRAIN DISEASE	18	Tuesday 5th December	2. New techniques in neuroscience
Jason	Potas	Unsw	Using machine learnability of dorsal column nuclei surface potential signal features to quantify relevant information for decoding sensory inputs from the limb	19	Wednesday 6th December	2. New techniques in neuroscience



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Bruce	Ngo	Florey Institute Of Neuroscience And Mental Health	DEVELOPMENT OF A NOVEL PEPTIDE-BASED SYSTEM TO MODULATE NEURONAL FUNCTION	22	Tuesday 5th December	2. New techniques in neuroscience
Sebastian	Stefani	The University Of Sydney	A CELLULAR MODEL FOR STUDYING INHIBITORY NEUROTRANSMISSION IN THE SPINAL CORD OF C57BL/6 WILD-TYPE MICE	23	Wednesday 6th December	2. New techniques in neuroscience
Hitomi	Aoki	Gifu University	INDUCED HAPLOINSUFFICIENCY OF KIT IMPAIRS DEVELOPMENT OF NEURAL CELLS	24	Tuesday 5th December	3. Development and regeneration
Anita	Balázs	Department Of Anatomy, Histology And Embriology, University Of Debrecen	DEVELOPMENT OF GABA-ERGIC NEURONS IN THE MOUSE SUPERFICIAL SPINAL DORSAL HORN	25	Wednesday 6th December	3. Development and regeneration
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Tongcui	Jiang	Menzies Institute For Medical Research	TDP-43A315T Expression Alters Synapse Development in Primary Cortical Neurons	27	Tuesday 5th December	3. Development and regeneration
Michael	Lovelace	St. Vincent's Centre For Applied Medical Research	The kynurenine pathway of tryptophan metabolism modulates neural stem cell proliferation	28	Tuesday 5th December	3. Development and regeneration
Shohreh	Majd	Flinders University	A comparison of LKB1/AMPK/mTOR metabolic axis response to global ischaemia in brain, heart, liver and kidney in a rat model of cardiac arrest	29	Wednesday 6th December	3. Development and regeneration
Hamish	Mundell	University Of Sydney	Propagation and enrichment of Bone Morphogenetic Protein Receptor-II+ neuronal restricted precursors from human foetal spinal cord using histotypic neurospheres	30	Tuesday 5th December	3. Development and regeneration
Arunnjah	Vivekanandarajah	University Of Sydney	HYPERCAPNIC HYPOXIA INDUCED CHANGES IN THE EXPRESSION OF NICOTINIC ACETYLCHOLINE RECEPTORS IN THE DEVELOPING PIGLET BRAIN.	31	Wednesday 6th December	3. Development and regeneration
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Chanchanok	Chaichim	Unsw Sydney	Effect of Tpm3.1 overexpression on synaptic function and structure	33	Wednesday 6th December	3. Development and regeneration
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Guthrie	Dyce	Australian National University	Frequency Tagging in the Mouse Vibrissal Cortex	376	Tuesday 5th December	Late submission
Holly	Stefen	Unsw Sydney	Neurite outgrowth-promoting activity of tropomyosin Tpm3.1 revealed in a novel microfluidic device-based neurite outgrowth inhibition assay	377	Wednesday 6th December	Late submission
Benjamin	Mitchell	Eccles Institute Of Neuroscience, John Curtin School of Medical Research, Australian National University	SINGLE-CELL EXPECTATION SUPPRESSION AND EXPECTATION ENHANCEMENT IN THE VIBRISSAL CORTEX OF ANAESTHETISED MICE	378	Tuesday 5th December	Late submission
Chris	French	University Of Melbourne	INHIBITION OF THE BACTERIAL VOLTAGE-GATED SODIUM CHANNEL NaChBac BY PHENYTOIN	379	Wednesday 6th December	Late submission
John	Power	UNSW Sydney	NeuVLab: a gamified educational software platform for students to build and run virtual sensory neuronal networks	380	Tuesday 5th December	Late submission
Brendan	Bicknell	Queensland Brain Institute & School of Mathematics and Physics	Control of neurite growth and guidance by an inhibitory cell-body signal	381	Wednesday 6th December	Late submission
Abigail	Egid	University Of Western Australia	DISRUPTION TO ELEMENTAL HOMEOSTASIS FOLLOWING PARTIAL OPTIC NERVE TRANSECTION	382	Tuesday 5th December	Late submission
Brooke	Fehily	The University Of Western Australia	COMPLEX RELATIONSHIPS BETWEEN DAMAGE AND THE NUMBER OF REPEATED MILD TRAUMATIC BRAIN INJURIES	383	Wednesday 6th December	Late submission
Thomas	Knellwolf	Western Sydney University	MICRONEUROGRAPHY OF THE POSTERIOR TIBIAL NERVE: AN UNTAPPED WELLSPRING OF NEURAL DATA FOR UNDERSTANDING FREESTANDING NEUROPHYSIOLOGY	384	Tuesday 5th December	Late submission



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Sean	Murphy	The Florey Institute of Neuroscience and Mental Health	Influence of cocaine exposure on dendritic activity	385	Wednesday 6th December	Late submission
Paul	Rozenbroek	Unsw	INVESTIGATING THE EFFECT OF KCC2 OVEREXPRESSION ON DENDRITIC SPINE DENSITY	386	Tuesday 5th December	Late submission
Agata	Blasiak	National University of Singapore	Optogenetic, Electrical and Magnetic stimulation for subcellular induction of neuron activity for myelination studies in vitro.	387	Wednesday 6th December	Late submission