

Poster Presentations

Odd number presenters are to stand by their poster between 12:00pm - 1:45pm on Tuesday 3rd December

Even number presenters are to stand by their poster between 12:00pm - 1:45pm on Wednesday 4th December

Poster Number	Name	Abstract Title
1	Gayathri Balasuriya	Altered gastrointestinal motility in a mouse model of cigarette smoking-induced Chronic Obstructive Pulmonary Disease
2	Mariana Brizuela	Activation of Dopamine D2 receptors in the CNS reduces thermogenesis elicited by activation of the lateral habenula
4	Andrea Harrington	Transneuronal tracing of colonic-related afferent circuits in mice using herpes simplex virus 1 strain H129 expressing EGFP
5	Suzanne Hosie	Gastrointestinal dysmotility in the C57BL/6 NL3R451C mouse model of autism
6	*Geraldine Kong	Longitudinal omics approach to investigate the microbiome-gut-brain-axis in R6/1 mice, a transgenic mouse model of Huntington's disease
7	Erin McAllum	Regional iron distribution and soluble ferroprotein profiles in the healthy human brain
8	*Samiha Sharna	Changes in caecal neuroimmune interactions in the Neuroigin-3R451C mouse model of autism
10	Kelsi Dodds	Coordination of spontaneous electrical and mechanical activity in the isolated non-pregnant mouse uterus
11	Adam Humenick	Ascending interneuronal pathways in myenteric plexus of human colon
12	Lauren Keightley	Pharmacological and electrophysiological analysis of polarised enteric neural pathways activated by balloon distension in the guinea pig colon
13	*Erin Wright	Histological characterisation of the retrotrapezoid nucleus in the piglet and effects of hypercapnic hypoxia
14	*Manjula Senthilkumaran	Topographical distribution of RVLM C1 neurons that respond to cardiovascular versus metabolic stimuli
15	*David Smolilo	The role of sympathetic nerves in modulation of guinea pig colon motility
18	*Elizabeth Haines	The role of neurogenesis and axon guidance molecules in the formation of the neocortical commissure in marsupials compared with eutherians
19	*Agustin Cota Coronado	Novel stem cell lines for modeling familial Parkinson's disease
20	*Micah Daniel Austria	Neurovascular unit characterization in the Alzheimer's disease middle temporal gyrus using human brain tissue microarrays
21	*Megan Bakeberg	Cholesterol-related gene is associated with longitudinal cognitive decline in an Australian cohort of Parkinson's disease patients
22	*Karissa Barthelson	Identifying early molecular and vascular changes in young adult zebrafish brains due to mutations in early-onset, familial Alzheimer's disease-related genes
23	Julien Bensalem	Improving brain autophagy to counteract Alzheimer's disease
24	Alison Canty	In vivo imaging of cortical axon degeneration after laser induced injury
25	Mark Corbett	Expansions of a pentameric intronic ATTTC repeat in STARD7 lead to familial adult myoclonic epilepsy linked to chromosome 2
26	*Jaisalmer de Frutos	Does APOE genotype moderate the relationship between physical activity and brain health and dementia risk?
27	Melinda Fitzgerald	NG2+ cells are vulnerable at breaches of the blood brain barrier during secondary degeneration following neurotrauma
28	*Sameera Iqbal	Investigation of polysialic acid expression in response to immune signalling in the nervous system
29	Hannah Keage	Patterns of conversion and reversion between cognitive states (normal, MCI and dementia) in Parkinson's disease: a systematic review and meta-analysis
30	Adeline Lau	Inhibition of heparan sulfate biosynthesis as a novel substrate reduction therapy for a paediatric-onset dementia
31	*Preet Makker	Investigation of axonal excitability in preclinical mouse models of acute oxaliplatin-induced neurotoxicity
32	Ruth Napper	Using serial block face scanning electron microscopy to investigate long-term effects of binge alcohol exposure during development on mature brain structure in the rat: preliminary findings
33	Asheeta Prasad	Cellular Changes in the Substantia Nigra and Subthalamic Nucleus in Parkinson Disease pathology and Deep Brain Stimulation Treatment
34	Cheryl Shoubridge	Heterozygous loss of function of IQSEC2 /Iqsec2 leads to increased activated Arf6 and severe neurocognitive seizure phenotype in females
35	*Parnayan Syed	Effects of mutations in the GABA-A receptor $\alpha 3$ subunit that underlie epilepsy, autism, anxiety, facial deformities and intellectual disabilities
36	Michael Lardelli	A research program to discover the early brain molecular changes/stresses that drive Alzheimer's disease through comparative omics analyses of genome-edited zebrafish
37	*Katerina Christofides	Exploring the relationship between metabolic indicators of neuroinflammation, excitatory neurotransmission, and ERP responses during a continuous performance test in mild cognitive impairment (MCI) due to
38	Kay Double	SOD1 dysfunction and disease mechanisms in postmortem ALS tissues
39	*Kevin Law	Combined vasoconstrictors generate persistent mouse model of focal cerebral ischaemia
40	*A. R. Satvik Iyengar	Analysis of mRNA and protein expression changes in the lipopolysaccharide model of Parkinson's disease
41	Bruce Mockett	Secreted amyloid precursor protein-alpha and its bioactive domains initiate a global increase in protein synthesis in rat hippocampus
42	Calvin Eiber	Visual receptive field mapping of linear and nonlinear responses using temporal decomposition and iterative tomography
43	*Daniel Bligh	A rare, de novo homer1 mutation causes synaptic and axon guidance defects
44	*Daniel Omileke	Passive induction of hypothermia inhibits delayed intracranial pressure elevation following ischaemic stroke in rats
45	*Diji Kuriakose	Identifying the genes regulating mirna during neurogenesis using collaborative cross mouse model
46	*Donella Coro	Determining the role of DNA methylation in the relationship between the ZNF804A gene and cognitive sub-phenotypes in psychosis individuals
47	*Eden Ouliel	A stroke of genius: Investigations into the guanidinium-head group of poly- arginine R18 peptide
48	*Elysa Carr	The role of activity-dependent phosphorylation in the localisation and presynaptic function of alpha-synuclein
49	Esmeralda Paric	Functional analysis of actin-associated protein Tpm3.1 segregation in mouse hippocampal neurons
50	Ansab Akhtar	Brain Insulin Resistance in Alzheimer's disease: Targeting phosphoinositide 3-kinase (PI3K)/Akt/GSK-3 β pathway
51	Thomas Burne	Adult vitamin D deficiency disrupts spatial memory and perineuronal nets in the hippocampus
52	*Amu Faiz	Environment is a significant parameter in the switch between defensive behavioural responses
53	*Jessica Moretti	Effects of Repetitive Transcranial Magnetic Stimulation on Motivation in a Mouse Model
54	*Albert Dayor Piersson	Relationship between plasma A β and structural brain alterations: A systematic review
55	*Albert Dayor Piersson	Brain atrophy and its relationship with brain amyloid deposition, tau levels, and cerebral glucose metabolism in individuals at risk of cognitive decline
56	Genevieve Steiner	Reduced neuronal activation of attention and cognitive control mechanisms in amnesic mild cognitive impairment (aMCI) compared to healthy controls
57	*Yukti Vyas	Influence of Maternal High Zinc Diet on the Development of Autism-associated Behaviours in Shank3-Knockout Mice
58	*Cong Wang	Neural Correlates of Novel Object Recognition in the medial Prefrontal Cortex and Hippocampus
59	Guohun Zhu	Cognitive Load During Multitasking Can Be Accurately Assessed Based on a Single Channel EEG Recording
60	*Bharti Biswas	Long term behaviour outcomes of maternal obesity and hypoxic-ischemic brain injury on rat offspring
61	*Andrew Butler	VNS improves extinction memory of a visual context and increases novel object recognition memory?
62	Emily Jaehne	Impaired fear memory in BDNF val66met rats with a met/met genotype is reversed by chronic exercise
63	Kristin Hillman	A novel weight lifting task for investigating effort and persistence in rats
64	*Sally Kelliny	Investigating the effects of edaravone in an animal model of frontotemporal dementia
65	*Sachithrani Madugalle	Spatially distinct patterns of RNA modification in neurons following fear extinction learning in mice
66	Sam Merlin	Dopaminergic lesions of the dorsolateral striatum prevent habitual actions resulting from extended training and L-dopa exposure
67	*Yamni Mohan	Set-Size Sensitisation in Visual Search
68	*Sabrina Sghirripa	Age-related differences in alpha oscillations at varying working memory loads
69	Holly Stefan	Tropomyosin Tpm3.1 is integral in maintaining the axon initial segment structure and function
70	*Saurabh Bandhavkar	Extracellular matrix remodelling regulates adult hippocampal neurogenesis and improves spatial learning
71	*Matthew Fanning	Maternal antibiotic consumption during pregnancy affects offspring ENS development
72	*Maria Gancheva	Reprogramming Human Dental Pulp Stem Cells into Neural Stem Cells
73	Lachlan Jolly	Exploiting naturally occurring mutations to unravel the neurodevelopmental functions of the deubiquitylating enzyme USP9X
74	Peter Kozulin	Comparative transcriptomic analysis of forebrain connectivity across mammalian evolution
75	Riccardo Natoli	Active microRNA and binding partners in the degenerating retina
76	B K Chandrasekhar Sagar	Ultrastructural evaluation of synaptogenesis induced by electroconvulsive shock in the rat brain
77	Akram Zamani	Chronic white matter disruption following paediatric traumatic brain injury (PTBI) in mice
78	Fatemeh Ameri Sefideh	A Novel role of Extracellular Ferritin in Ferroptosis: Implications for Neurodegenerative Diseases
79	*Michal Easton Mor	Interrogating the association of diabetes with developmental cognitive impairments using an in vitro model of human neuronal development
80	Md Abdul Hannan	Proteomic study explains a possible molecular mechanism of the novel neuromodulatory activity of a sterol in primary hippocampal neuron
81	*Simon Maksour	Expression profiling of rest and RCOR genes in neurogenesis using 2D and 3D human pluripotent stem cell models
82	*Shannon Thomson	Two arms of the Unfolded Protein Response (UPR) are increased in the SIDS brainstem and cerebellum
83	Yugo Watanabe	Investigating changes in androgen and progesterone receptor expression in the aetiology of PNA-induced polycystic ovary syndrome
84	*Kai Tit Tan	Comparing EEG aperiodic signal between mood disorders and healthy controls
85	*Katie Peppercorn	Does secreted amyloid precursor protein alpha affect the global proteome of astrocytes?
86	Kirsten Coupland	Disturbances in ionic composition of cerebrospinal fluid after experimental ischemic stroke
87	Haowen Liu	A dual role for the UNC-13 M domain in Ca $^{2+}$ - triggered neurotransmitter release
88	*Holly Melland	A newly characterised neurodevelopmental disorder is caused by mutations in synaptotagmin-1 that alter synaptic vesicle dynamics
89	Abdur Rahman	PP1 inhibition is involved in lead-induced neurotoxicity in cultured rat embryonic hippocampal cells
90	*Haozhe Wang	Studying the role of Kv7.2 and Kv7.3 ion channels in the mouse enteric nervous system with the assistance of computational modelling
91	Victor Anggono	Subunit-specific Augmentation of AMPA Receptor Ubiquitination by Phorbol Ester
92	*Jayarjun Ethiraj	Age and sex specific changes of GABA signalling components in the human hippocampus
93	Robert Harvey	Missense mutations in the NMDAR GLUN 2B subunit alter receptor ligand binding and ion channel properties
94	Anurag Singh	Roles for gliotransmitters in long-range metaplasticity at hippocampal synapses
95	*Georgina Craig	Adaptive myelination regulated by changes to oligodendrocyte survival
96	Yasuyuki Osanai	Unexpected promoter activity of protein coding sequence in bicistronic constructs confer constitutive gene expression of second gene in bicistronic inducible gene expression vector
97	*Huitong Song	Sphingosine kinase 2 protects oligodendrocytes and is required for remyelination
98	Jordan Wright	The transcription factor 'Olig2' recruits chromatin remodelling complexes to regulate proliferation and myelination in oligodendrocytes
99	Kaylene Young	LRP1 inhibits myelination and remyelination in the adult central nervous system
100	*Aimee Chu	Secreted amyloid precursor protein-alpha enhances amyloid-beta protofibril degradation in primary murine astrocytes
101	Mariyam Murtaza	Isolation, enrichment and characterization of olfactory ensheathing glia from the olfactory mucosa
102	*Thulani Palpagama	Neuroinflammation in the Human Cingulate Cortex in Huntington's disease
103	*Renato Soares	Towards a microglia map in zebrafish
104	*Sahil Patel	Dopamine regulation of the intercalated cells of the amygdala
105	*Brittany Rurak	Examining supplementary motor area-primary motor cortex connectivity using a novel transcranial magnetic stimulation protocol: Application in tremor-dominant Parkinson's disease
106	Angus McMorland	Intermuscular, and not corticomuscular, coherence reflects synergy structure during isometric upper limb tasks

107	*Connor Sherwood	Optical Control of Neuronal Behaviour with Organic Electronic Devices
108	James St John	Bioengineering a cell transplantation therapy to repair the injured spinal cord
111	*Harry Carey	DeepSlice: A Deep Neural Network for Fully Automatic Alignment of Histological Sections
112	*Farheen Farzana	Spatially mapping brain metabolism in a mouse model of Huntington's disease
113	*Mahadeeswara Mandiyar	Reconstructing three-dimensional trajectories of freely flying honeybees in a semi-outdoor environment
114	*Rucha Pandit	The effect of low-intensity ultrasound on tau pathology in a transgenic mouse model and on the transport mechanisms across the blood-brain barrier
115	*Sam Rathbone	Ultrasound mediated piezoelectric stimulation of human neural stem cells
116	Stephanie Rayner	Rapid, unbiased identification of protein inclusion components from patient post-mortem brain tissue using targeted-biotinylation and mass spectrometry
117	Jo-Maree Courtney	Controlling neurosphere size: a method to reduce variation and improve predictability of neuronal generation
118	Mariana Del Rosso de Melo	Novel inhibitory optogenetic approaches to understand neuronal circuits in vivo
119	Andrea Kwakowsky	Miniaturised wireless optoelectronic subdermal implants: a novel device for the optogenetic stimulation of hippocampal neurons
120	*Bruce Ngo	Inhibition of vagal afferent input to PHOX2-expressing neurons in the nucleus tractus solitarius causes a sustained decrease in bodyweight gain
121	Brenton Short	Ultrasensitive detection of three neurological biomarkers in un-diseased dried blood spots
122	Alice Al Abed	Cognitive deficits in the CNTNAP2-/- mice model of autism: How altered circuit maturation affects adult memory
123	Kathryn Baker	The impact of chronic fluoxetine treatment in adolescence or adulthood on fear learning, parvalbumin neurons, and perineuronal nets
124	*Isaac Bul Deng	Long term high-fat diet aggravates anxiety, depression and cognitive dysfunction in pR5 mice
125	Changtae Hahn	Thalamic Shape and Cognitive Performance in Amnesic Mild Cognitive Impairment
127	*Lauren Hennessy	The effect of low-intensity repetitive Transcranial Magnetic Stimulation delivered using standard and accelerated stimulation protocols on brain and behaviour in an animal model of depression
128	*Neda Nasrollahi	Age Differences in the Processing of Emotional Information: A Meta-Analysis Investigating Face versus Non-Face Pictures as Potential Moderators
136	Yee Lian Chew	Mapping wired and wireless neural connectivity to investigate behavioural and pathological states in <i>C. elegans</i>
137	*Guthrie Dyce	Frequency tagging in the mouse vibrissal cortex
138	Bernard Evans	Discrimination of Features in Natural Scenes driven by Selective Attention
139	Joseph Fabian	Mechanosensors underlying flight by feel on dragonfly wings
140	Ehsan Kheradpezhoh	Enhanced sensory coding in mouse vibrissal and visual cortex through TRPA1
141	*Benjamin Lancer	Dragonfly target-detection neuron ignores high-contrast distractors
142	Yamni Mohan	The role of ON/OFF sub-regions of visual cortical simple cells in sharpening orientation selectivity
143	*Subha Nasir Ahmad	Characterisation of ganglion cell types in human retina expressing the transcription factor SATB2
144	Gratia Nguyen	A model for the origin and development of orientation selectivity
145	Bao Nguyen	Exercise alters binocular rivalry dynamics in healthy young adults
146	Yuri Ogawa	Pattern electroretinography reveals the spatial resolving power and contrast sensitivity of insect compound eyes
147	Alexander Pietersen	State-dependence of gamma-band spiking activity in 'blue-OFF' cells in marmoset Lateral Geniculate Nucleus
148	William Redmond	Categorical and invariant visual object capabilities of the superior colliculus - a threat detection centre of the brain
149	*Taylor Singh	Bilateral integration of sensory information in the mouse whisker system
150	*Kimberly Thek	Vagus nerve stimulation induces cellular plasticity in NTS neurons
151	*Anlai Wei	Characterisation of Forkhead Protein (Foxp1) expressing cells in the Marmoset Retina
167	*Yang Dong	Investigating Alzheimer's disease through mutating the PSEN1 gene in zebrafish
168	*Barbora Fulopova	Region specific trends of amyloid deposition in APP/PS1 mice following mid-life environmental enrichment
169	*Amr Abdeen	Application of the Bradford Hill model supports empirical evidence for a role of metal changes in Parkinson's disease aetiology
170	*Amy Hulme	Generation of specific sub-populations of dorsal root ganglia sensory neurons from human pluripotent stem cells
171	*Ashwini LS	Neuroprotective potential of tinospora cordifolia extract in attenuating prenatal vibratory stress induced cognitive deficits in wistar rat dams and their neonates
172	Bin Wang	Protein-protein interaction analysis to discover new modulators for astrocyte stress response and reactivity pathways
173	Will Sievers	Innervation of supraclavicular brown adipose tissue: A cadaveric study
174	Will Sievers	The interaction between oestrogen, thermogenesis, appetite and body weight in male and female rodents
175	*Sarah Ong	Mapping the subnuclear organisation of somatostatinergic neurons in the nucleus of the solitary tract.
176	Tim Hibberd	Coordination of enteric viscerofugal neuron firing with smooth muscle voltage oscillations during the motor complex in mouse colon
177	*Anahita Ghanbari	Viral approaches to studying the organisation of viscerosensory afferent neurons
178	Wai Ping Yew	Effects of bisacodyl on extrinsic sensory neurons to the bowel
179	Lee Travis	Simultaneous video imaging and electrophysiological recordings reveal a new mechanism of the enteric nervous system underlying both propulsive and non-propulsive movements in the mouse colon
180	Frederic von Wegner	Can we predict anticonvulsant efficacy of diazepam based on pre-seizure EEG parameters?
181	*Gabrielle Federici	Wnt-3a can exacerbate pro-inflammatory stimuli in astrocytes and microglia
182	*Gabrielle Gregoriou	Opioid withdrawal-induced neuroadaptations within the amygdala
183	*Hayden Arnott	Enhancing regeneration by regulating growth cone calcium signaling in zebrafish
184	*Holly Ahel	PDZ-mediated regulation of levels and interaction with scribble of the neuroprotective kinase p38g
185	*Behjat Sheikholeslamibou	Anti-inflammatory effects of synthetic phospholipids
186	*Jason Abbas Aramideh	A new axotomy model in zebrafish: in vivo study of the microglial response to pectoral fin injury
187	*Anastazja Gorecki	Altered gut microbiome in an Australian cohort of Parkinson's disease, and the influence of bacterial endotoxin in an a-synuclein over-expressing mouse model
188	*Anastazja Gorecki	Variation in bacterial sensing peptidoglycan recognition proteins modulates age-of-onset in patients with idiopathic Parkinson's disease
189	Vidya Krishnan	Translational consequences of premature neurodegeneration in dystrophic nerves from the <i>mdx</i> mouse model of Duchenne Muscular Dystrophy
190	George Mellick	Analysis of a novel Parkinson's disease-associated mutation
191	Frances Corrigan	Sex dependent effects on pre-frontal cortex development and executive function following a mild traumatic brain injury in adolescence
192	Adele Woodhouse	Dysregulation of the neuronal epigenome occurs prior to pathology-onset and alters with progressive amyloidosis
193	Ziqi Wang	An enhancer-derived RNA mediates the regulation of the immediate early gene Nr4a2 is necessary for fear extinction memory
194	*Tamara Tomanic	Tropomyosin Tpm3.1 and Tpm4.2 isoforms impact the morphology of mouse primary hippocampal neurons and show functional differences in the synapse regulation
195	*Hrishikesh Pattabhiraman	Retroactive interference of a learned action-outcome association by exposure to a stimulus-outcome learning experience
196	*Jeremy Metha	Investigating the effects of OxR1 antagonism on goal-directed decision making
197	*Joyeeta Roy	MicroRNA expression in the diagnosis of Parkinson's disease
198	Julian Heng	Understanding the impact of Missense ZBTB18 variants in brain development and disease
199	Juliette Cheyne	Tonotopic mapping in a mouse model of autism spectrum disorder
200	*Kai Sempert	The RGMa-Neogenin pathway regulates actin remodelling during dendritic spine maturation
201	Phil Ryan	The parabrachial nucleus regulates initial intake of ethanol, sucrose and other solutions
202	*Jiayu Yin	Novel DNA modifications underlying sex differences in fear-related learning and memory
203	Natalie Frost	The effect of a six-month exercise intervention on executive function: Results from the intense physical activity and cognition (IPAC) study
204	*Phoebe Mayne	Isoflurane anaesthesia facilitates short-term avoidance memory on a spatial learning task in mice
205	*Lachlan Van Schaik	Stimulatory, not anxiogenic, doses of caffeine act centrally to activate interscapular brown adipose tissue thermogenesis
206	*Laura Hewson	Using <i>Drosophila melanogaster</i> to uncover the disease-related mechanisms of Sanfilippo Syndrome (MPS IIIC)
207	Lisa Bradley	LncRNA Ptchd1-as: A novel high functioning ASD mouse model
208	Mark van den Hurk	Patch-seq protocol to analyze the electrophysiology, morphology and transcriptome of human iPSC-derived whole single neurons
209	*Mei Zhou	Chronic glucocorticoid-induced alterations in the functional properties of adult-born hippocampal neurons lead to anxiety-like behaviour
210	*Mitchell Wong	Using optogenetics to unravel the pathways involved in the regulation of autonomic function by the central amygdala
211	Natasha Kumar	Adaptation of respiratory-related brain regions to long-term hypercapnia: focus on neuropeptides in the RTN
212	*Nathan Reynolds	Exploring a critical period of development through the manipulation of the neurokinin receptor 3
213	*Noorya Ahmed	Molecular control of connection formation in striatal interneurons
214	*Mahtab Ameri	A Novel role of Extracellular Ferritin in Ferroptosis: Implications for Neurodegenerative Diseases
215	*Vanessa Despotovski	Reelin in the human infant hippocampus and changes in Sudden Infant Death Syndrome (SIDS)
216	*Manju Ganesh	Deciphering the fate of integrated pericytes in mouse motor cortex
217	Larisa Haupt	Heparan sulfate proteoglycans as markers of human neuronal phenotypes
218	Arunniah Vivekanandaraja	The $\alpha 7$ and B2 nicotinic acetylcholine receptor subunits in the infant hippocampus and changes attributed to sudden infant death syndrome and smoke exposure
219	Mark Windsor	Functional characterization of GRIN2A mutations in Landau-Kleffner syndrome
220	*Oluwatobi Eboda	ATP13A2: Characterisation of a novel human iPSC cell model of Parkinson's and Batten disease
221	Rebecca Hood	Low oxygen post conditioning improves cognition and reduces amyloid beta accumulation post-stroke in mice
222	*Rhys Knowles	The Er81 transcription factor drives the proliferation of interneurons derived from the medial ganglionic eminence
223	Richard Gordon	Bruton's Tyrosine Kinase regulates inflammasome activation in Parkinson's disease
224	*Soo Kim	GABA _A Receptors Are Well Preserved in the Hippocampus of Aged Mice
225	Shunsuke Takagi	Serine Racemase expression and its function in striatum and in striatal GABAergic interneuron
226	*Dylan Kiltchewskij	Early Patterns of Excitation-induced Neuronal Translation are Regulated Independently of mRNA Levels and MicroRNA
227	Miaomiao Mao	Modelling of SCN2A encephalopathies using human stem cell-derived neurons
229	*Samra Naz	Efficacy of deep brain stimulation in the treatment of Parkinson's disease: A longitudinal study
230	*Samuel Antoniadis	Risk factors for psychosis: Investigating polygenic risk and the cumulative effects of child and adult stress
231	Sarah Cohen-Woods	Flinders environmental epigenetics through life study
232	*Sher Li Tan	Investigation of the endo-lysosomal network in a drosophil model of Alzheimer's disease
233	*Shubo Jin	Retro-TRAP: a novel way to characterize the connectivity of the nucleus accumbens shell
234	John Lin	Development of anion channelrhodopsin mutants for spectrally distinct optogenetic excitation of neurons
235	*Nishita Bhembre	Investigation of structural compensation following oligomeric A β induced dendritic spine loss
236	*Julian Carosi	Autophagy clears tau aggregates in a prion-like model of Tauopathy
237	*Karan Govindpani	GABA receptor subunits are expressed by the human cerebral vasculature
238	*Tia Griffith	High-fat diet induces 'Depressive-like' behaviours in an animal model of type 2 diabetes: PUFA supplementation as a potential intervention
239	*Mauritz Herselman	Regulation of adrenal TH and PNMT in response to chronic stress; Does the type of stressor matter?
240	*Rishabh Jhanji	Neuroprotective potential of doxycycline in combination with gallic acid against Thiamethoxam induced neurotoxicity in Zebrafish

241	*Ishaq muhammad	Asperuloside reduces food intake and body weight via downregulation of orexigenic hypothalamic signalling in a mouse model of metabolic syndrome
242	*Silvia Vicenzi	Serotonin leads the way: From a guidance cue perspective
243	*Sonia Sanchez Bezanilla	Assessment of cognitive impairment after experimental stroke using a rodent touchscreen platform
244	*Steven William Bothwell	Increased intracranial pressure 18-hours post-stroke correlates with faster outflow of cerebrospinal fluid tracer into the spinal subarachnoid space
245	Takayuki Ishiwata	Effect of intermittent fasting on brain monoaminergic neurotransmitters and anxiety-like behavior in rats
250	*Tessa Helman	Models of depression in rodents - Not all created equal
251	*Laura Leighton	Insights into small nucleolar RNA expression, processing and function in the mouse prefrontal cortex
252	Wei-Siang Liao	Dynamic experience-dependent accumulation of unique Gas5 variants in the prefrontal cortex following fear extinction learning in mice
253	*Liyang Lin	Over-expression of PROBDNF by AAV vector in muscle triggers depression-like behaviours in mice
254	*Paul Marshall	Dynamic DNA structure states regulate fear extinction memory
255	*Haobin Ren	DNA double-strand breaks may be associated with the subcellular localization of RNA expression in response to fear extinction learning in mice
256	*Thiago Viola	Analysis of epigenetic aging acceleration among women with cocaine use disorder: association with childhood physical neglect exposure
257	*Volkan Uzungil	Deferiprone as a novel therapeutic for major depressive disorder
258	Wei Wei	Selective accumulation of 5-formylcytosine in neurons activated by extinction learning
259	Sharna Jamadar	Functional connectivity in the ageing human maternal brain, and the neuroprotective effects of motherhood.
260	Daisuke Ueno	The correlation between individual differences of interoceptive accuracy and salience network connectivity in older adults
261	Fatemeh Chehrehasa	Olfactory fear conditioning enhanced neuroplasticity and neurogenesis in the different brain regions of adults rat
262	*Hiroki Shiwaku	Detection of autoantibodies against GABA _A Ra1 in patients with schizophrenia
263	Shinya Yanagita	Effects of increased physical activity on brain monoamine levels in multistory enriched environment
264	*Tyler Browne	Electrophysiological characterisation of virally-labelled mouse spino-parabrachial projection neurons identifies distinct properties and suggests further subpopulations exist
265	*Jonathan Chan	Neuronal degeneration in the Marmoset Pulvinar following V1 lesions
266	*Christine Koenig	Heritability of pruritus - A survey in inbred mouse strains
267	Rochelle Peterson	Effects of lactate on group III striated muscle afferent neurons in the mouse
268	Jacqueline Iredale	Micro-electrode array analysis of spinal cord pain circuit activity in-vitro
269	Huimin Zhang	Cross-streams through the thalamus to relay vibrissal information
270	Youichirou Ootsuka	Lithium reduces brown adipose tissue (BAT) thermogenesis associated with emotional hyperthermia
271	*Zhiran Zhai	Carnosic acid promotes survival of dissociation-induced human pluripotent stem cell and influences neuronal differentiation
272	Nicole Wiedmann	Sex differences in c-Fos and EGR-1/Zif268 activity maps of rat sacral spinal cord following cystometry-induced micturition
273	Mel Kylah	A novel surgical technique to investigate the topographical distribution of thoracolumbar and lumbosacral spinal innervation to the mouse uterus
274	Harman Sharma	Neurochemical characterisation of sensory and autonomic endings in the mouse bladder
275	*Shao-Jun Tang	Microglia in HIV pain-associated synaptic degeneration
276	*Anna Antipov	Dopamine neuron activation in the VTA influences thermoregulatory factors and emotional hyperthermia in the rat
277	Karin Aubrey	Presynaptic opiate receptor expression of Rostro Ventromedial Medulla projection neurons in the dorsal horn of the rat spinal cord

**Please note, these presenters are students.*