

Breakout Rooms 1-3:

Breakout Room 1: Cellular & Molecular Neuroscience Click here to join the meeting Judge: Dr. Michael Heber Moderator: Annelies Hoorn	Breakout Room 2: Synaptic Plasticity, Learning & Memory, and Cognitive Neuroscience Click here to join the meeting Judge: Dr. Douglas Tweed Moderator: Gerard Kim	Breakout Room 3: Neural Circuitry, Networks, & Computational Neuroscience Click here to join the meeting Judge: Dr. Etay Hay Moderator: Taylor Irvine
Azin Ebrahim Amini <i>Neocortical in vivo focal and spreading potassium responses and the influence of astrocytic gap junctional coupling</i>	Arely Cruz-Sanchez <i>Developmental onset distinguishes three types of spontaneous recognition memory in mice</i>	Sarah Gregor <i>Study paradigms and principles investigated in motor learning research after stroke: a scoping review</i>
Aeen Ebrahim Amini <i>The role of endogenous cellular prion protein in brain synaptic function</i>	Ali Golbabaee <i>The role of mPFC projecting sub-populations in recent and remote expression of memories</i>	Hope Jervis Rademeyer <i>An overview of epidural stimulation and current evidence in spinal cord rehabilitation</i>
Andreea Furdul <i>Neural circuits mediating opioid-induced respiratory depression</i>	Kai Ian Leung <i>Effect of bilingual exposure on language and cognitive recovery in children post-stroke</i>	Naotsugu Kaneko <i>Characteristics of the response induced by motor point stimulation</i>
Sarah Hui <i>Investigating the role of CHIP phosphorylation by GSK3-β in models of mitochondrial dysfunction</i>	Jordan Mak <i>The impact of cognitive & physical enrichment on contextual fear memory retention</i>	Mohsen Poorganji <i>Distinguishing neurophysiological responses of active and sham TMS via single pulse and paired pulse protocols</i>
Ana-Maria Oproescu <i>Exploring the combinatorial functions of proneural genes NEUROG1 and NEUROG 2 in neocortical stem cell maintenance</i>	Mina Mirjalili <i>Anticipatory parietal alpha desynchronization and working memory performance and capacity</i>	Leanne Rokos <i>Modeling brain network dynamics in early development with the virtual brain</i>
Ai Tian <i>Novel engineered multi-lineage assembloids to investigate the reciprocal effects of microglia brain integration on human microglial and brain development</i>	Simar Moussaoui <i>Visual field effects in working memory in action: neglect-like deficit in memory across saccades</i>	Stephanie Tran <i>Effects of intermittent theta burst stimulation of the primary somatosensory cortex on motor excitability and cortical circuits</i>
Lakshmy Vasan <i>Investigating the role of ASCL1 mRNA stabilization in neural stem cell fate decisions</i>	Adetunji Oremakinde <i>Working memory mediates the association between dorsolateral prefrontal cortex plasticity and global cognition in Alzheimer's dementia and healthy comparison individuals</i>	Gaqi (Jakki) Tu <i>Phasic cholinergic signaling constrains prefrontal encoding of ambiguous stimulus associations</i>
Chengye Yang <i>Investigating the central nervous system expression of the cardiac voltage-gated sodium channel SCN5A</i>	RuoDing Wang <i>Relationship between homocysteine, cognition, and oxidative stress in mild cognitive impairment</i>	

Breakout Rooms 4-6:

Breakout Room 4: Developmental Neuroscience & Neurodevelopmental Diseases Click here to join the meeting Judge: Dr. Julien Muffat Moderator: Sarah Eide	Breakout Room 5: Aging, Dementias, & Neurodegenerative Disorders Click here to join the meeting Judge: Dr. Hong-Shuo Sun Moderator: Joe Steinman	Breakout Room 6: Neuropharmacology & Drug Development Click here to join the meeting Judge: Dr. Jeff Henderson Moderator: Dipa Chatterjee
Teddy Cheung <i>Re-examining the psychometric properties of the Autism Spectrum Quotient short form (AQ-10) to screen autistic traits in adults</i>	Kritleen Bawa <i>Neutrophil activation in Alzheimer's disease and Mild Cognitive Impairment: a systematic review and meta-analysis of protein markers in blood and cerebrospinal fluid</i>	Mark Aquilino <i>Panx-1 possesses pro-convulsant action, mediated through P2X7 and P2Y1</i>
Rania Faidi <i>The effects of early-life inflammation on seizure development and spatial memory in neurofibromatosis Type 1</i>	Amir Hamzeh <i>The role of exosomes in spreading synucleinopathies</i>	Roshanak Asgariroozbehani <i>Respiratory exchange ratio is reduced following treatment with olanzapine and intracerebroventricular infusion of leptin in rats</i>
Avideh Gharehgzlou <i>Cortical gyrification morphology in individuals with ASD and ADHD across the lifespan: a systematic review and meta-analysis</i>	Lilian Lin <i>Effects of C9orf72 haploinsufficiency on TDP-43 pathology in ALS</i>	Yasaman Javadzadeh <i>Electrophysiological studies of the effect of medical cannabinoids on epileptiform activity</i>
Nancy Hamdy <i>Animal models for neonatal brain injury induced by hypoxic ischemic conditions in rodents</i>	Susan Ping <i>Characterization of sex differences in AAV-A53T alpha-synuclein rat model of Parkinson's disease</i>	Jiwon Lee <i>Topiramate in treatment refractory psychotic illness: effects on weight gain and psychopathology</i>
Kyurim Kang <i>Simultaneous EEG measurements in child with disabilities, their parent, and neurological music therapist</i>	Marc Shenouda <i>Identification and validation of small molecules preventing TDP-43 aggregation as therapeutics for Amyotrophic Lateral Sclerosis</i>	Daniel Mori-Fegan <i>The GPR55 receptor: profile of a molecular target for phytocannabinoids in the cannabinoid system</i>
Kelly Mo <i>Gender variance in neurodivergent children</i>	Rosa Sommer <i>Disrupted rest-activity rhythms and cerebral small vessel disease pathology in older adults</i>	Roseanne Nguyen <i>Modelling the neuro-inflammatory cascade in cerebral adrenoleukodystrophy using patient-derived co-cultures</i>
Lee Phan <i>Semantic processing impairments in children with ASD: abnormalities of the N400 neural strength and timing</i>	Rebecca Wu <i>Impact of season on disability and related measures in older adults: a cross-sectional observational study</i>	Afifa Saleem <i>Epilepsy in a dish: investigation of human cerebral organoids as an enhanced platform for epilepsy modelling and drug discovery</i>
		Shenhab Zaig <i>Novel targets to prevent opioid-induced respiratory depression while preserving analgesia using larval zebrafish</i>

Breakout Rooms 7-9:

Breakout Room 7: Stress, Depression, & Mental Health Click here to join the meeting Judge: Dr. Martin Beaulieu Moderator: Calaina Brooke	Breakout Room 8: Brain Injury, Trauma, & Regenerative Neurobiology Click here to join the meeting Judge: Dr. Kei Masani Moderator: Madison Walker	Breakout Room 9: Brain Health & other Neurological Disorders Click here to join the meeting Judge: Dr. Anne-Claude Bedard Moderator: Jonathon Chio
Paria Baharikhoob <i>Investigating translocator protein binding in borderline personality disorder with serious self-harm behavior: an [18F]-FEPPA positron emission tomography study</i>	Lauren Belfiore <i>A lineage conversion strategy to generate 'repair' Schwann cells for peripheral nerve repair</i>	Luke David <i>PTEN prevents a G0-GALERT transition in adult muller glia in the murine retina</i>
Gavin Elias <i>Acute functional brain changes accompany subcallosal cingulate DBS for depression</i>	Eman Nishat <i>Myelin sensitive magnetic resonance imaging in mild traumatic brain injuries</i>	Kimia Ghannad-Zadeh <i>ID1 as a mediator of one-carbon mediated purine synthesis in glioblastoma</i>
Frank Mazza <i>Identifying EEG biomarkers of reduced SST inhibition in cortical microcircuits of depression</i>	Tian Renton <i>Can you cope? Exploring young athletes' cognitive coping response to a hypothetical concussion</i>	Ahmad Ribal Israwi <i>Understanding the role of TRPV4 in the brain in health and disease</i>
Nicolette Stogios <i>Topiramate in treatment refractory psychotic illness: effects on cognition and structural brain changes</i>	Cricia Rinchon <i>Investigating depotentiation in focal hand dystonia</i>	Michael Martin <i>Investigation of periaqueductal gray circuitry in larval zebrafish</i>
Shijing Wang <i>Identifying the resting state neural predictors of suicide risk – a focus on pain processing</i>	Pascale Tsai <i>Structural and connectivity analysis in acoustic neuroma patients</i>	Sandra Poulson <i>Prefrontal activity during pain experience and observing social partner pain expressions in mice</i>
Heng Kang Yao <i>Implications of reduced somatostatin interneuron inhibition in depression on human cortical microcircuit activity</i>	Sana Smaoui <i>Does the presence of a lingual pressure bulb in the oral cavity perturb the swallow?</i>	Julie Sato <i>Altered functional connectivity during emotional face processing in children born very low birth weight</i>
Xinyang Zhou <i>Mitochondrial dynamics and expression in adolescent bipolar disorder and depression</i>	Sophie Vaccarino <i>Neuroimaging and clinical predictors of anhedonia response to adjunct aripiprazole treatment for major depressive disorder</i>	Anna Vasilevskaya <i>PET tau imaging and motor impairments differ between corticobasal syndrome and progressive supranuclear palsy with and without Alzheimer's disease biomarkers</i>