

Poster Presenter	Topics	Poster Title	Date	Poster Board
Hailee Walker	Autism	<i>Disruption of a distributed ensemble for social interaction in mice lacking Shank3</i>	Saturday, January 25, 2025	SA-1
Nicolas Seban	Autism, Development/Aging	<i>Single-cell analysis of telencephalic development in mouse models of Chd8 haploinsufficiency</i>	Saturday, January 25, 2025	SA-2
Fabienne Fiesel	Neurodegenerative disorders	<i>A novel immunoassay panel to measure PINK1-PRKN signaling in human samples</i>	Saturday, January 25, 2025	SA-3
Erika Blaine	Autism, Development/Aging, Other basic neuroscience, Stress, other	<i>Tracking dynamic social phenotypes resulting from Shank3 deficiency in male and female mouse groups from adolescence through adulthood</i>	Saturday, January 25, 2025	SA-4
Damhyeon Kwak	Autism, Executive function (decision making, motivation, working memory, etc.)	<i>Medial prefrontal ensemble activity underlying context-dependent social decision-making is disrupted in mice lacking Shank3</i>	Saturday, January 25, 2025	SA-5
Emily Smith	Autism, Other basic neuroscience	<i>Protein Interactions of Chd8 in Mouse Forebrain</i>	Saturday, January 25, 2025	SA-6
Yoni Couderc	Neuromodulators and receptors, Psychiatric disorders	<i>Dopamine transmission in the anterior insula shapes the neural coding of anxiety</i>	Saturday, January 25, 2025	SA-7
Jessica Whitaker-Fornek	Development/Aging, Neuromodulators and receptors	<i>Influence of Endogenous Opioids on Breathing Development</i>	Saturday, January 25, 2025	SA-8
Kyle Frantz	Education and practice	<i>Sustaining Inclusion through Social Innovation in Higher Education</i>	Saturday, January 25, 2025	SA-9

Poster Presenter	Topics	Poster Title	Date	Poster Board
Mark Laubach	Education and practice, Executive function (decision making, motivation, working memory, etc.), Other basic neuroscience, Substance use disorders, Tools and Technology	<i>The OpenBehavior Project: A database and dissemination platform for open-source tools for behavioral neuroscience research</i>	Saturday, January 25, 2025	SA-10
Anne Anderson	Epilepsy	<i>Aberrant cellular and network hyperexcitability are transiently rescued with mTOR inhibition in a TSC2 mouse model</i>	Saturday, January 25, 2025	SA-11
Jensen Palmer	Executive function (decision making, motivation, working memory, etc.)	<i>The role of the rat medial prefrontal cortex in perceptual decision making</i>	Saturday, January 25, 2025	SA-12
Molly Klug	Executive function (decision making, motivation, working memory, etc.)	<i>A ventral hippocampus to nucleus accumbens pathway regulates impulse control</i>	Saturday, January 25, 2025	SA-13
Erskine Chu	Executive function (decision making, motivation, working memory, etc.), Glia-neuron interactions, Neurotrauma/Stroke	<i>Brain injury-driven impulsivity may be driven by a combination of neuroinflammatory signals and corticostriatal circuitry remodeling</i>	Saturday, January 25, 2025	SA-14
Alexander Bashaw	Executive function (decision making, motivation, working memory, etc.), Neuromodulators and receptors	<i>Hippocampus dopamine signaling is modulated by eating and promotes meal-related memories via dopamine type 2 receptors</i>	Saturday, January 25, 2025	SA-15
Lei-Chieh Chao	Executive function (decision making, motivation, working memory, etc.), Other basic neuroscience, other	<i>How does isocaloric high fat diet affect motivation?</i>	Saturday, January 25, 2025	SA-16
Logan Manusky	Executive function (decision making, motivation, working memory, etc.), Other basic neuroscience, Psychiatric disorders, Substance use disorders, Tools and Technology	<i>Investigating the Transition from Goal-Directed to Habitual Behavior in Head-Fixed Mice: Paraventricular Thalamic Projections to Parvalbumin-Interneurons in the Dorsal Striatum</i>	Saturday, January 25, 2025	SA-17
Jacqueline Paniccia	Glia-neuron interactions, Executive function (decision making, motivation, working memory, etc.), Substance use disorders	<i>Prefrontal cortical astrocytes encode and guide conditioned reward seeking upon contingency adaptation</i>	Saturday, January 25, 2025	SA-18

Poster Presenter	Topics	Poster Title	Date	Poster Board
Roberto Ribas	Psychiatric disorders	<i>Redefining Brain Metabolomics Through High-Resolution Spatial Imaging</i>	Saturday, January 25, 2025	SA-19
Kevin Boergens	Groundbreaking tools, Other basic neuroscience, Tools and Technology	<i>Photoemission electron microscopy for connectomics</i>	Saturday, January 25, 2025	SA-20
Angela Getz	Groundbreaking tools, Neuromodulators and receptors, Synaptic transmission/plasticity and membrane properties, Tools and Technology	<i>Dynamic nanoscale organization of endogenous AMPA receptors in brain slices: development of advanced labeling toolkits and single molecule localization techniques with lattice light-sheet microscopy</i>	Saturday, January 25, 2025	SA-21
Maria Ramirez	Groundbreaking tools, Substance use disorders	<i>Behavioral and Neural Effects of Intranasal Cocaine in Mice</i>	Saturday, January 25, 2025	SA-22
Isabelle Geneve	Intracellular processes and signaling, Neuromodulators and receptors, Other basic neuroscience	<i>Gs signaling in the dorsal vagal complex is necessary for semaglutide-induced neuronal activation and weight loss</i>	Saturday, January 25, 2025	SA-23
Kim Neve	Intracellular processes and signaling, Other basic neuroscience, Neuromodulators and receptors, Synaptic transmission/plasticity and membrane properties	<i>Comparison of Two Pathogenic Dopamine D2 Receptor Variants Expressed in Mice</i>	Saturday, January 25, 2025	SA-24
Jeffery Boychuk	Neurodegenerative disorders, Sensory and Motor Systems	<i>NEOCORTICAL MOTOR OUTPUTS AS DISEASE BIOMARKERS IN 5XFAD MICE</i>	Saturday, January 25, 2025	SA-25
Julianne Pelletier	Neuromodulators and receptors, Executive function (decision making, motivation, working memory, etc.), Substance use disorders	<i>Cell type specific expression of Cannabinoid Receptor 1 in Ventral Tegmental Neurons</i>	Saturday, January 25, 2025	SA-26
Devin Effinger	other	<i>Assessing the potential cardiovascular risk of microdosing lysergic acid diethylamide in mice.</i>	Saturday, January 25, 2025	SA-27

Poster Presenter	Topics	Poster Title	Date	Poster Board
Xiaoxiao Lin	Other basic neuroscience	<i>Systematic comparison of receptive field properties across a distributed egocentric vector cell circuit</i>	Saturday, January 25, 2025	SA-28
Brooke Jarvie	Other basic neuroscience	<i>Re-evaluating the role of parabrachial CGRP neurons in feeding</i>	Saturday, January 25, 2025	SA-29
Michael Martino	Other basic neuroscience, Stress	<i>Whole-Brain Activity Mapping in a Mouse Model of PTSD Reveals Potential Therapeutic Targets for Fear Disinhibition</i>	Saturday, January 25, 2025	SA-30
Nandini Raghuraman	Pain and analgesia, Neuromodulators and receptors	<i>Beyond Expectations: The Role of Endogenous Opioids in Driving Observationally Induced Placebo Hypoalgesia</i>	Saturday, January 25, 2025	SA-31
Jessica Higginbotham	Pain and analgesia, Substance use disorders	<i>Estradiol modulates dopamine neuron dynamics underlying sex-specific effects of pain on fentanyl use</i>	Saturday, January 25, 2025	SA-32
Ethan Fenton	Pain and analgesia, Substance use disorders	<i>Transcriptomic and Epigenetic Underpinnings of Development of and Resistance to Opioid Use Disorder</i>	Saturday, January 25, 2025	SA-33
Trevonn Gyles	Psychiatric disorders	<i>Resilient Specific Sex-Conserved Transcriptomic Networks in the Nucleus Accumbens following Chronic Social Defeat</i>	Saturday, January 25, 2025	SA-34
Kevin Ayala	Stress	<i>Stress-Activated Forebrain and Brainstem Projections to the Ventrolateral Medulla</i>	Saturday, January 25, 2025	SA-35
Lin Mei	Development/Aging	<i>Neuromuscular junction formation and related disorders</i>	Saturday, January 25, 2025	SA-36

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Bailey Remmers	Substance use disorders	<i>Striatal endogenous opioids regulate the approach and avoidance to take cocaine</i>	Saturday, January 25, 2025	SA-37
Lisa Green	Substance use disorders, Executive function (decision making, motivation, working memory, etc.), Intracellular processes and signaling, Neuromodulators and receptors	<i>Ascending the Blue Slope with a Cortical Lift: Noradrenergic control of prefrontal neuronal ensemble dynamics maintains cue-induced relapse to heroin seeking</i>	Saturday, January 25, 2025	SA-38
Sarah Magee	Substance use disorders, Psychiatric disorders	<i>EXPLORING THE IMPACT OF PSILOCIN ON CEA CRF1 NEURONAL ACTIVITY AND DRINKING BEHAVIOR FOLLOWING CHRONIC ETHANOL EXPOSURE AND WITHDRAWAL</i>	Saturday, January 25, 2025	SA-39
Emanuel Lopes	Substance use disorders, Stress	<i>Rapid Up-Regulation of KOR activity on Nucleus Accumbens Dopamine Terminals by Agonist Exposure</i>	Saturday, January 25, 2025	SA-40
Emily Peck	Substance use disorders, Synaptic transmission/plasticity and membrane properties, Psychiatric disorders	<i>Synaptogyrin-3 prevents cocaine escalation by enhancing presynaptic dopamine function</i>	Saturday, January 25, 2025	SA-41
Charles Zhou	Tools and Technology	<i>Characterization of microprisms for deep-brain 2-photon imaging</i>	Saturday, January 25, 2025	SA-42
Stephen Smith	Autism, Epilepsy, Intracellular processes and signaling	<i>The mTOR signal transduction network functions fundamentally differently in neurons compared to immortalized cells</i>	Sunday, January 26, 2025	SU-1
Ernst Niebur	Executive function (decision making, motivation, working memory, etc.)	<i>Classifying neuronal states and interactions between brain regions in a multi-attribute decision task performed by humans undergoing stereotactic EEG recording</i>	Sunday, January 26, 2025	SU-2
Stefan Posse	Development/Aging, Groundbreaking tools, Neurodegenerative disorders, Other basic neuroscience, other	<i>Structural and Functional Connectomics of Neurodegeneration and Brain Tumors</i>	Sunday, January 26, 2025	SU-3

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Amy Halbing	Development/Aging, Stress	<i>Comparing mid-pregnancy immune cell phenotype in women with and without childhood maltreatment</i>	Sunday, January 26, 2025	SU-4
Sándor Beniczky	Epilepsy	<i>Automated and semi-automated interpretation of EEG using artificial intelligence</i>	Sunday, January 26, 2025	SU-5
Ido Maor	Executive function (decision making, motivation, working memory, etc.)	<i>Representations of contradictory schemas in the orbitofrontal cortex during continuous learning</i>	Sunday, January 26, 2025	SU-6
Mark Orloff	Executive function (decision making, motivation, working memory, etc.)	<i>generalized grid-like coding of neuroeconomic value</i>	Sunday, January 26, 2025	SU-7
Lauren Karwacki	Executive function (decision making, motivation, working memory, etc.)	<i>Inactivation of hippocampal-frontal circuitry during a touchscreen-based spatial working memory task</i>	Sunday, January 26, 2025	SU-8
Yufan Li	Executive function (decision making, motivation, working memory, etc.), other, Other basic neuroscience	<i>Obesity persistently interrupts cognitive flexibility in a mice model</i>	Sunday, January 26, 2025	SU-9
Peter Fox	Groundbreaking tools	<i>BrainMap Community Portal: An Online Research Resource for Discovering Connectomes of Human Health & Disease By Neuroimaging Meta-analysis</i>	Sunday, January 26, 2025	SU-10
Annie Dang	Neurodegenerative disorders	<i>Alzheimer's Disease: Characterization and Comparison of Atrophy and Hypometabolism Patterns</i>	Sunday, January 26, 2025	SU-11
Ramon Trullas	Neurodegenerative disorders	<i>Mitochondrial DNA deletions in prodromal Parkinson's Disease.</i>	Sunday, January 26, 2025	SU-12

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Milos Pekny	Neurodegenerative disorders	<i>Complement C3aR drives progression of amyotrophic lateral sclerosis in mice</i>	Sunday, January 26, 2025	SU-13
Komal Singh	Neurodegenerative disorders, Development/Aging, Executive function (decision making, motivation, working memory, etc.), Other basic neuroscience, Tools and Technology	<i>Deregulation of miR-449a and miR-16-5p prevents aberrant activation of Cell cycle and Neuronal Apoptosis</i>	Sunday, January 26, 2025	SU-14
Wolfdieter Springer	Neurodegenerative disorders, Glia-neuron interactions, Development/Aging	<i>Genetic activation of the ubiquitin kinase PINK1 in iPSC and animal models</i>	Sunday, January 26, 2025	SU-15
Susan Farr	Neurodegenerative disorders, Neuromodulators and receptors	<i>MRS5980, a selective A3 Adenosine receptor (A3AR) agonist, attenuates paclitaxel-induced cognitive impairment in a mouse model of breast cancer.</i>	Sunday, January 26, 2025	SU-16
Katherine Muksuris	Neurodegenerative disorders, Substance use disorders	<i>Reward-paired cues promote riskier choice in patients with Parkinson's Disease in a dopamine-dependent manner</i>	Sunday, January 26, 2025	SU-17
Nicole Fisher	Neuromodulators and receptors, Intracellular processes and signaling	<i>Subcellular dynamics of G protein signaling by opioids</i>	Sunday, January 26, 2025	SU-18
Alayna Jones	Neuromodulators and receptors, Other basic neuroscience	<i>Analyzing the Effects of Cannabinol as an Individual Compound in Mice</i>	Sunday, January 26, 2025	SU-19
Parnian Hemmati	Neurotrauma/Stroke	<i>Fluid-Structure Interaction Analysis of Cerebrospinal Fluid and Brain Tissue during Head Impacts for Newtonian and Non-Newtonian CSF Models</i>	Sunday, January 26, 2025	SU-20
David Devilbiss	Neurotrauma/Stroke	<i>The Role of Hepatocyte Growth Factor/cMet Signaling Pathways in Mild TBI and Neurotrophic Treatment Strategies</i>	Sunday, January 26, 2025	SU-21

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Alex Sheremet	other	<i>Spontaneous collective oscillation is seen in networks with Hodgkin-Huxley neurons, but not with generalized leaky integrate and fire neurons</i>	Sunday, January 26, 2025	SU-22
Mitchell Spring	other	<i>Striatal serotonin release signals reward value</i>	Sunday, January 26, 2025	SU-23
Sarah Mott	Other basic neuroscience, Executive function (decision making, motivation, working memory, etc.)	<i>Validation of a water platform test of social dominance behavior in male and female mice</i>	Sunday, January 26, 2025	SU-24
Lisa Wooldridge	Other basic neuroscience, Substance use disorders, Pain and analgesia, Neuromodulators and receptors	<i>Comparing the effects of genetically-defined central amygdala cell types in opioid dependence</i>	Sunday, January 26, 2025	SU-25
Merel Dagher	Pain and analgesia	<i>Investigating the role of the central amygdala dynorphin neurons in the sensory and affective components of chronic pain</i>	Sunday, January 26, 2025	SU-26
Vitaly Napadow	Pain and analgesia	<i>Neuroimaging Mechanisms of Cognitive Behavioral Therapy for Fibromyalgia Pain</i>	Sunday, January 26, 2025	SU-27
Chantal Miller-Silva	Psychiatric disorders, Sensory and Motor Systems	<i>A Multi-Paradigm Approach to Assess the Role of Precision-Weighting of Prior Information in Schizotypy</i>	Sunday, January 26, 2025	SU-28
Elif Tunc-Ozcan	Psychiatric disorders, Stress	<i>Investigating the Role of Neurotransmitter Co-Transmission in Stress Response</i>	Sunday, January 26, 2025	SU-29
Benjamin Williams	Psychiatric disorders, Substance use disorders	<i>Impact of fentanyl and xylazine co-administration on pro-inflammatory gene expression and anxiety-like behaviors in mice</i>	Sunday, January 26, 2025	SU-30

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Joshua Brown	Psychiatric disorders, Synaptic transmission/plasticity and membrane properties	<i>Mechanism-guided Augmentation of Accelerated TMS</i>	Sunday, January 26, 2025	SU-31
C. Harker Rhodes	Psychiatric disorders	<i>Cross-Ancestry PRS Distinguishes Type 1 From Type 2 Schizophrenia</i>	Sunday, January 26, 2025	SU-32
Matthew Banghart	Sensory and Motor Systems, Executive function (decision making, motivation, working memory, etc.), Pain and analgesia, Tools and Technology	<i>Top-down control of the descending pain modulatory pathway underlies placebo-like analgesia in mice</i>	Sunday, January 26, 2025	SU-33
Sophie Grutzner	Sensory and Motor Systems, Sleep	<i>Navigating Dreams: the representation of locomotion during REM sleep</i>	Sunday, January 26, 2025	SU-34
Jason Ortega	Stress, Psychiatric disorders	<i>The Effects of Social Buffering on Traumatized Mice</i>	Sunday, January 26, 2025	SU-35
Kristine (Hye Jean) Yoon	Substance use disorders	<i>Defining the role of D2-type medium spiny neuron during alcohol self-administration</i>	Sunday, January 26, 2025	SU-36
Amy Chan	Substance use disorders	<i>Chemogenetic manipulations of the nucleus accumbens core alters ethanol conditioned place preference in a sex specific manner</i>	Sunday, January 26, 2025	SU-37
David Mendelowitz	Substance use disorders	<i>Activation of melanocortin receptor 4 positive neurons in the brainstem treats respiratory depression</i>	Sunday, January 26, 2025	SU-38
Michael Taffe	Substance use disorders	<i>Persistent effects of repeated adolescent and adult heroin vapor inhalation in female rats</i>	Sunday, January 26, 2025	SU-39

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Steven Nieto	Substance use disorders	<i>Translating medication effects for alcohol use disorder across preclinical, human laboratory, and clinical trial outcomes using meta-analysis</i>	Sunday, January 26, 2025	SU-40
Michael Stefanik	Substance use disorders	<i>Daily sub-anesthetic ketamine administration during forced abstinence reduces the incubation of oxycodone craving in male Sprague Dawley rats</i>	Sunday, January 26, 2025	SU-41
Teesta Naskar	Substance use disorders	<i>Prenatal Cannabis Exposure Disrupts Gene Expression linked to Neuroimmune Signaling and Axonal Guidance in Fetal Brain Development</i>	Sunday, January 26, 2025	SU-42
Lucas Silva Tortorelli	Substance use disorders, Psychiatric disorders, Stress	<i>Opioid Withdrawal Behaviors Controlled by Distinct Neuronal Populations in Central Amygdala in Mice</i>	Sunday, January 26, 2025	SU-43
Anne Wells	Autism, Development/Aging, Executive function (decision making, motivation, working memory, etc.), Glia-neuron interactions, Psychiatric disorders	<i>DETERMINING THE ROLE OF TBX1, A TRANSCRIPTION FACTOR IN THE 22Q11.2 LOCUS, ON COGNITIVE FUNCTION AND POSTNATAL OLIGODENDROGENESIS</i>	Sunday, January 26, 2025	SU-44
Stephanie Lozano	Autism, Psychiatric disorders, Development/Aging	<i>Unraveling cell type-specific impacts of Chd8 haploinsufficiency on the transcriptional landscape of adult mouse cortex</i>	Sunday, January 26, 2025	SU-45
Emily Castellanos	Glia-neuron interactions, Psychiatric disorders, Stress, other	<i>Acute neuron activation in brainstem nuclei after peripheral pro-inflammatory cytokine injection</i>	Sunday, January 26, 2025	SU-46
Xueling Zhang	Groundbreaking tools, Intracellular processes and signaling, Tools and Technology, Other basic neuroscience	<i>An improved red calcium indicator with increased photostability and reduced blue light photoactivation</i>	Sunday, January 26, 2025	SU-47
Sophie Elvig	Sensory and Motor Systems	<i>Novel Basal Ganglia Feedback Pathways for Regulating Motor Variability</i>	Sunday, January 26, 2025	SU-48

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Brooke Bender	Substance use disorders	<i>Xylazine potentiates the interoceptive effects of fentanyl</i>	Sunday, January 26, 2025	SU-49
Sabiha Alam	Autism	<i>Fragile X Syndrome disrupts gut microbiota composition, bioelemental distribution, and gut barrier integrity in mice</i>	Monday, January 27, 2025	M-1
Nathan Johnston	Autism, Executive function (decision making, motivation, working memory, etc.), Neurodegenerative disorders, Other basic neuroscience	<i>Multiplexed encoding of social and spatial information in the prefrontal cortex</i>	Monday, January 27, 2025	M-2
Valeria Lallai	Development/Aging, Neuromodulators and receptors, Psychiatric disorders, Substance use disorders	<i>Prenatal exposure to both nicotine and cannabinoids alters the placental-fetal brain axis, impacting cognitive functions</i>	Monday, January 27, 2025	M-3
Ryann Fame	Development/Aging, Other basic neuroscience	<i>Interaction between early neural stem cell maturation and cerebrospinal fluid</i>	Monday, January 27, 2025	M-4
John Huguenard	Epilepsy	<i>Counterintuitive effects of the antiepileptic compound carbamazepine on thalamocortical network activity</i>	Monday, January 27, 2025	M-5
Madeleine Moseley	Epilepsy	<i>Lack of tau expression inhibits evoked seizures but does not prevent epileptogenesis in a mouse model of temporal lobe epilepsy</i>	Monday, January 27, 2025	M-6
Ryo Tonami	Executive function (decision making, motivation, working memory, etc.)	<i>Chemogenetic inhibition and ablation of orbitofrontal cortex disrupts decision inertia in mice.</i>	Monday, January 27, 2025	M-7
Ryan Webb	Executive function (decision making, motivation, working memory, etc.)	<i>Is the Whole the Sum of the Parts: Neural Correlates of Consumer Bundle Valuation in Humans</i>	Monday, January 27, 2025	M-8

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Brandon Oliver	Executive function (decision making, motivation, working memory, etc.)	<i>Endocannabinoids dysregulate the dopaminergic substrates of behavioral flexibility</i>	Monday, January 27, 2025	M-9
Abigail Harr	Executive function (decision making, motivation, working memory, etc.)	<i>Insula-frontal cortical interactions during a touchscreen-based attention task (rCPT) in mice</i>	Monday, January 27, 2025	M-10
Lea Decarie-Spain	Executive function (decision making, motivation, working memory, etc.), Other basic neuroscience	<i>Gut-derived vagus nerve signaling promotes memory function</i>	Monday, January 27, 2025	M-11
Diana Vo	Executive function (decision making, motivation, working memory, etc.), Psychiatric disorders, Substance use disorders	<i>Delirium and a History of Alcohol Dependence – What is the Diagnosis?</i>	Monday, January 27, 2025	M-12
Ken Negishi	Executive function (decision making, motivation, working memory, etc.), Substance use disorders	<i>Role of claustrum in incubation of opioid seeking after electric barrier-induced voluntary abstinence in male and female rats</i>	Monday, January 27, 2025	M-13
Jacob Roshgadol	Groundbreaking tools, Neuromodulators and receptors, Tools and Technology	<i>A dLight-ful New Look at Behaviorally Relevant Dopamine Signaling</i>	Monday, January 27, 2025	M-14
Chelsie Kadgien	Groundbreaking tools, Synaptic transmission/plasticity and membrane properties, Neuromodulators and receptors	<i>Determining dopamine receptor surface lifetimes with a novel genetically expressed nanobody tool.</i>	Monday, January 27, 2025	M-15
Alyson Curry	Neurodegenerative disorders	<i>Examining Changes in Mesolimbic Dopamine System Function in a Mouse Model of Alzheimer's Disease</i>	Monday, January 27, 2025	M-16
Jenny He	Neuromodulators and receptors, Intracellular processes and signaling	<i>Mapping the functional GPCR-ome and its signaling consequences in neurons</i>	Monday, January 27, 2025	M-17

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Claire Gao	Neuromodulators and receptors, Intracellular processes and signaling, Other basic neuroscience	<i>cAMP signaling in a hindbrain pathway mediates semaglutide induced neuronal activation and weight loss</i>	Monday, January 27, 2025	M-18
Sixtine Fleury	Neuromodulators and receptors, Psychiatric disorders	<i>The non-hallucinogenic serotonin 1B receptor is necessary for some of the persisting behavioral effects and neural mechanisms of psilocybin in mice</i>	Monday, January 27, 2025	M-19
Justin Anair	Neuromodulators and receptors, Psychiatric disorders, Sensory and Motor Systems	<i>The role of nigrostriatal dopamine in hallucination-like percepts in mice</i>	Monday, January 27, 2025	M-20
Richard Leigh	Neurotrauma/Stroke	<i>Blood-brain barrier disruption in stroke patients is more severe in men than women independent of age or stroke severity</i>	Monday, January 27, 2025	M-21
Michael Beauchamp	other	<i>Stereoencephalography reveals a boundary in the fundus of the human superior temporal sulcus between areas active in auditory and audiovisual speech perception</i>	Monday, January 27, 2025	M-22
Rouzbeh Amini	other	<i>Modal Analysis of the effects of Sex, Brain Shape, and Stiffness on Vibration Behavior of the Brain</i>	Monday, January 27, 2025	M-23
TrangKimberly Nguyen	Other basic neuroscience, Neuromodulators and receptors, Tools and Technology	<i>Subunit-Selective Allosteric Modulators of GluN3 Glycine Receptors</i>	Monday, January 27, 2025	M-24
Myra Alayoubi	Pain and analgesia	<i>Myrcene induces antiallodynia without altering locomotion or temperature in a mouse model of neuropathic chronic pain</i>	Monday, January 27, 2025	M-25
Zaijie Jim Wang	Pain and analgesia, Neuromodulators and receptors	<i>Gut microbiota and metabolites and chronic pain in sickle cell disease</i>	Monday, January 27, 2025	M-26

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Stephanie Lee	Pain and analgesia, Psychiatric disorders, Substance use disorders	<i>Alcohol and Cannabis Use in Relation to Pain and Negative Affect in People with HIV</i>	Monday, January 27, 2025	M-27
Damien Boorman	Pain and analgesia, Sensory and Motor Systems	<i>The Anterior Cingulate Cortex Mediates Placebo Analgesia in a Novel Mouse Model of Chronic Neuropathic Pain</i>	Monday, January 27, 2025	M-28
Susan Ferguson	Psychiatric disorders, Substance use disorders	<i>Examining the Impact of Methamphetamine and Fentanyl Polysubstance Administration on Locomotor Sensitization and Social Interactions: Can a Psychedelic Compound Mitigate Drug-Induced Social Deficits?</i>	Monday, January 27, 2025	M-29
Edith Harris	Psychiatric disorders, Substance use disorders, Tools and Technology, other	<i>Brief Cognitive Training Induces Major Functional Brain Re-organization in Patients with Alcohol Use Disorder: Preliminary Results from an Open Label Alcohol Approach Bias Modification Trial</i>	Monday, January 27, 2025	M-30
Andrew Lutas	Sensory and Motor Systems, Other basic neuroscience, Executive function (decision making, motivation, working memory, etc.)	<i>Control of ingestion by a central amygdala GABAergic input to the pons</i>	Monday, January 27, 2025	M-31
Nikki Clauss	Stress	<i>Impact of VTA estradiol on the effect of stress on cue-driven behavior and mPFC dopamine signaling</i>	Monday, January 27, 2025	M-32
Javier Stern	Stress	<i>Hypothalamic Neurovascular Coupling response to Systemic Homeostatic Challenge in Normal and Chronic Heart Failure rat</i>	Monday, January 27, 2025	M-33
Mark Smith	Substance use disorders	<i>Co-administration of Xylazine Increases the Somatic Symptoms of Fentanyl Withdrawal</i>	Monday, January 27, 2025	M-34
Monica Dawes	Substance use disorders	<i>Fentanyl Self-administration is Accelerated by Methamphetamine Co-use and Results in Worsened Hypodopaminergia in Male, but not Female Rats</i>	Monday, January 27, 2025	M-35

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Christopher Walker	Substance use disorders	<i>SHORT- AND LONG-ACCESS ALCOHOL CONSUMPTION RESULTS IN DIFFERENTIAL ACTIVATION OF NEURONAL NETWORKS IN MALE AND FEMALE MICE</i>	Monday, January 27, 2025	M-36
Jacqueline Sanchez	Substance use disorders	<i>Effect of chemogenetic inactivation of the anterior insular cortex on ethanol-induced conditioned taste aversion</i>	Monday, January 27, 2025	M-37
Danielle Adank	Substance use disorders	<i>Motor cortex control of the insula as a target for exercise-alcohol interactions</i>	Monday, January 27, 2025	M-38
Kathryn Beard	Substance use disorders	<i>Investigation of the Role of Synaptogyrin-3 in Cocaine Use Disorder</i>	Monday, January 27, 2025	M-39
Jones Parker	Tools and Technology	<i>Cellular-resolution and bulk-fluorescence recordings of calcium activity yield discordant readouts of in vivo drug efficacy</i>	Monday, January 27, 2025	M-40
Zachary Hough	Tools and Technology, other	<i>Transcriptomic characterization reveals distinct gene expression patterns that differentiate GABA neurons in the ventral tegmental area and rostromedial tegmental nucleus</i>	Monday, January 27, 2025	M-41
Makenzie Patarino	Development/Aging, Neurotrauma/Stroke, Stress, Substance use disorders	<i>Characterization of Neurological, Peripheral, and Behavioral Impairments in a Mouse Model of Chronic Alcohol Use Following Blast-Induced mTBI</i>	Monday, January 27, 2025	M-42
Jessica Verpeut	Autism, Development/Aging, Neuromodulators and receptors, Sensory and Motor Systems, Synaptic transmission/plasticity and membrane properties, Executive function (decision making, motivation, working memory, etc.)	<i>Amelioration of social behavior and alteration of cortical neural activity markers following adolescent cerebellar nuclei manipulation in mice</i>	Tuesday, January 28, 2025	T-1
Branden Verosky	Development/Aging, Stress	<i>Fetal Brain Vulnerability to Prenatal Stress: Insights from single-cell RNA-sequencing on Developing Neuronal Populations in Mice</i>	Tuesday, January 28, 2025	T-2

Poster Presenter	Topics	Poster Title	Date	Poster Board
Anna Toburen	Executive function (decision making, motivation, working memory, etc.)	<i>Sex-dependent effects of nucleus accumbens dopamine receptor signaling in persistent reward seeking under punishment</i>	Tuesday, January 28, 2025	T-3
Abigail Elerding	Executive function (decision making, motivation, working memory, etc.), Intracellular processes and signaling, Psychiatric disorders	<i>Differential responses to reward and aversion by genetically distinct GABA subpopulations of the VTA</i>	Tuesday, January 28, 2025	T-4
Dhruv Zocchi	Executive function (decision making, motivation, working memory, etc.), Neuromodulators and receptors	<i>Rapid predator learning in a young vertebrate</i>	Tuesday, January 28, 2025	T-5
Rajtarun Madangopal	Executive function (decision making, motivation, working memory, etc.), Neuromodulators and receptors, Neurodegenerative disorders, Tools and Technology	<i>PKC-dependent NMDAR depression by striatal glutamate delta-1 receptor underlies cognitive flexibility</i>	Tuesday, January 28, 2025	T-6
Nicolette Moya	Executive function (decision making, motivation, working memory, etc.), Neuromodulators and receptors, Psychiatric disorders	<i>The role of nigrostriatal and striatal cell subtype signaling in behavioral impairments related to schizophrenia</i>	Tuesday, January 28, 2025	T-7
Alanis Delgado-Suarez	Executive function (decision making, motivation, working memory, etc.), other	<i>Ventral pallidal GABAergic neurons modulate motivational conflict</i>	Tuesday, January 28, 2025	T-8
Jacob Watson	Executive function (decision making, motivation, working memory, etc.), Substance use disorders	<i>Long-lasting and selective avoidance induced by real-time stimulation of rostromedial tegmental efferents to the ventral tegmental area</i>	Tuesday, January 28, 2025	T-9
Margaret Stelzner	Executive function (decision making, motivation, working memory, etc.), Substance use disorders	<i>VTA GABA neurons encode and integrate valence</i>	Tuesday, January 28, 2025	T-10
Rajtarun Madangopal	Executive function (decision making, motivation, working memory, etc.), Substance use disorders, Tools and Technology	<i>Operant reward training and extinction recruit separate prelimbic cortex ensembles to support response execution and inhibition</i>	Tuesday, January 28, 2025	T-11

Poster Presenter	Topics	Poster Title	Date	Poster Board
Brandon Garcia-Castañeda	Glia-neuron interactions, Substance use disorders, Other basic neuroscience	<i>Role of VTA astrocytes during appetitive and aversive learning</i>	Tuesday, January 28, 2025	T-12
Kedamawit Tilahun	Neurodegenerative disorders, Development/Aging	<i>TMEM106B C-Terminal Fragment: A Driver of Neurotoxicity and Impaired Nucleocytoplasmic Transport</i>	Tuesday, January 28, 2025	T-13
Marziyeh Belal	Neurodegenerative disorders, Synaptic transmission/plasticity and membrane properties, Neuromodulators and receptors	<i>Disruption of intrastriatal GABAergic circuitry in mouse models of Parkinson's disease</i>	Tuesday, January 28, 2025	T-14
David Lee	Neuromodulators and receptors, Pain and analgesia, Tools and Technology	<i>Molecular profiling of amygdalar nociceptive neurons enables the discovery of non-opioid analgesics</i>	Tuesday, January 28, 2025	T-15
Nagalakshmi Balasubramani	Neuromodulators and receptors, Psychiatric disorders, Stress, Tools and Technology	<i>New insight into Edinger Westphal-CARTergic and Dorsal raphe-Serotonergic circuit in Stress and Anxiety</i>	Tuesday, January 28, 2025	T-16
Casey Cryan	Neuromodulators and receptors, Sensory and Motor Systems	<i>Influence of motor learning on iMSN efficacy in regions of dorsal striatum</i>	Tuesday, January 28, 2025	T-17
Elizabeth Eckenwiler	Neuromodulators and receptors, Stress	<i>CRF release in ventral pallidum triggered by successful reward retrieval</i>	Tuesday, January 28, 2025	T-18
Jon Sciortino	Neuromodulators and receptors, Substance use disorders	<i>Synaptogyrin-3 Protein Expression following Chronic Ethanol Exposure in C57BL/6 Mice</i>	Tuesday, January 28, 2025	T-19
Amanda Iglesias	Other basic neuroscience	<i>Cerebellar regulation of fear extinction through the limbic thalamus</i>	Tuesday, January 28, 2025	T-20

Poster Presenter	Topics	Poster Title	Date	Poster Board
Annie Ly	Other basic neuroscience	<i>Characterization of VGluT3-expressing bed nucleus of the stria terminalis (BNST) neurons in feeding and anxiety</i>	Tuesday, January 28, 2025	T-21
Emily Prevost	Other basic neuroscience, other, Synaptic transmission/plasticity and membrane properties	<i>Not all dopamine neurons are created equal: Exploring the differences between dopamine and glutamate-dopamine co-transmitting VTA neuron</i>	Tuesday, January 28, 2025	T-22
Olivia Timmermans	Other basic neuroscience, Stress, other	<i>Illuminating the Behavioral and Neural Representations of Diverse Intra-Group and Social State Dynamics in Female Mice</i>	Tuesday, January 28, 2025	T-23
Maribel Anguiano	Other basic neuroscience, Tools and Technology	<i>In vivo proximity labeling for subcellularly targeted proteomics</i>	Tuesday, January 28, 2025	T-24
Adam Gordon-Fennell	other, Neuromodulators and receptors, Psychiatric disorders	<i>Dopamine signals across the anterior-posterior axis of the striatum represent unique components of consummatory behavior</i>	Tuesday, January 28, 2025	T-25
QiLiang Chen	Pain and analgesia	<i>Latent Sensitization after Traumatic Brain Injury is Driven by the Rostral Ventromedial Medulla</i>	Tuesday, January 28, 2025	T-26
Silvia Squillace	Pain and analgesia, Executive function (decision making, motivation, working memory, etc.)	<i>Blocking S1PR1 counteracts chemotherapy-induced transcriptional reprogramming in glia and improves neurotoxicities.</i>	Tuesday, January 28, 2025	T-27
Yolanda Campos-Jurado	Pain and analgesia, Neuromodulators and receptors	<i>Dynorphin CeA-BNST Circuit Regulates Pain and Negative Affective States</i>	Tuesday, January 28, 2025	T-28
Jessi Cucinello-Ragland	Pain and analgesia, Substance use disorders	<i>Effects of Persistent Inflammatory Pain on Fentanyl Intravenous Self-Administration Microstructure</i>	Tuesday, January 28, 2025	T-29

Poster Presenter	Topics	Poster Title	Date	Poster Board
Taylor Fitzpatrick-Schmidt	Pain and analgesia, Substance use disorders, Psychiatric disorders	<i>Analgesic potential of alcohol for reducing HIV-associated neuropathy in rodents and humans</i>	Tuesday, January 28, 2025	T-30
Igor Dorea Bandeira	Psychiatric disorders	<i>Impact of Chronic Pain on Response and Remission Rates to Ketamine for Suicidal Behavior in Treatment-Resistant Depression</i>	Tuesday, January 28, 2025	T-31
Michael Gold	Psychiatric disorders	<i>Differences in Bipolar Disorder and Major Depressive Disorder Genetics and Genetic Expression</i>	Tuesday, January 28, 2025	T-32
Gal Atlan	Sensory and Motor Systems	<i>The role of the mammalian visual cortex in stabilizing locomotion</i>	Tuesday, January 28, 2025	T-33
Sarah Sniffen	Sensory and Motor Systems, Neuromodulators and receptors, Executive function (decision making, motivation, working memory, etc.)	<i>Directing negative emotional states through parallel genetically-distinct basolateral amygdala pathways to ventral striatum subregions</i>	Tuesday, January 28, 2025	T-34
Simone Mellert	Stress	<i>A Nucleus Accumbens-to-Dorsal Raphe Pathway Mediates Exercise-Induced Stress Resistance in Female Rats</i>	Tuesday, January 28, 2025	T-35
Brian Kipp	Substance use disorders	<i>Homecage Oral Oxycodone Self-Administration Induces Preference and Differential Gene Expression in the Prefrontal Cortex and Nucleus Accumbens</i>	Tuesday, January 28, 2025	T-36
Anze Testen	Substance use disorders	<i>Cortico-accumbal projection neurons influence the stability of D1-medium spiny ensembles to drive drug-seeking behavior</i>	Tuesday, January 28, 2025	T-37
Tania Lintz	Substance use disorders	<i>Elucidating the role of Cornichon Homolog-3 in opioid-seeking behavior</i>	Tuesday, January 28, 2025	T-38

Poster Presenter	Topics	Poster Title	Date	Poster Board
Kevin Braunscheidel	Substance use disorders	<i>Nicotine & the Nodose ganglia: Evidence for Brain-Body Interactions in Substance Use Disorders</i>	Tuesday, January 28, 2025	T-39
Rachel Clarke	Substance use disorders	<i>Investigating the corticostriatal neuronal ensembles undelrying heroin seeking.</i>	Tuesday, January 28, 2025	T-40
Kasey Girven	Substance use disorders, Executive function (decision making, motivation, working memory, etc.)	<i>A Peri-Ceorular Neuropeptidergic Pathway for Modulating OFC-Mediated Opioid-Seeking Behavior</i>	Tuesday, January 28, 2025	T-41
Elizabeth Doncheck	Substance use disorders, Executive function (decision making, motivation, working memory, etc.), Groundbreaking tools	<i>Stuck in the Snow: Heroin-induced hypofrontality provides a computational landscape to prioritize relapse</i>	Tuesday, January 28, 2025	T-42
Elora Williams	Substance use disorders, Psychiatric disorders	<i>Evaluating withdrawal-induced anxiety in a novel preclinical mouse model for opioid use disorder.</i>	Tuesday, January 28, 2025	T-43
Utsav Gyawali	Substance use disorders, Sleep	<i>Orexin signaling in ventral tegmental area as a common mediator of sleep and drug seeking during acute cocaine abstinence</i>	Tuesday, January 28, 2025	T-44
Courtney Wilkinson	Substance use disorders, Stress	<i>Predator scent stress exposure reduces intake and nucleus accumbens dopamine response to intravenous oxycodone in female rats</i>	Tuesday, January 28, 2025	T-45
Alex Welter	Substance use disorders, Synaptic transmission/plasticity and membrane properties, Neuromodulators and receptors	<i>Cellular and Neurochemical Mechanisms of the Cocaine-induced Suppression of GABA(B)R-GIRK Signaling in the Prelimbic Cortex</i>	Tuesday, January 28, 2025	T-46
Daniel McCalley	Substance use disorders, Tools and Technology	<i>Evaluating TMS-induced change in alcohol consumption in a reverse translational mouse model: the influence of continuous, intermittent and sham theta burst stimulation</i>	Tuesday, January 28, 2025	T-47

Poster Presenter	Topics	Poster Title	Date	Poster Board
Bethlehem Bekele	Synaptic transmission/plasticity and membrane properties	<i>Impact of MBNL2 Loss on GABAergic Neurotransmission in Myotonic Dystrophy</i>	Tuesday, January 28, 2025	T-48
Ryan Pauly	Synaptic transmission/plasticity and membrane properties, Neuromodulators and receptors, Other basic neuroscience	<i>Serotonin Neuron Influence on Pontine Breathing Circuitry Impaired by Opioids</i>	Tuesday, January 28, 2025	T-49
Alessandra Anzolin	Tools and Technology	<i>EAVANS: EEG-gated auricular vagal afferent nerve stimulation to modulate brain rhythms.</i>	Tuesday, January 28, 2025	T-50