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An early role in human cortical development for the disease associated CNTNAP2	Li, Minyin
Autistic phenotypes in the Cntnap2 KO rat are changed by early life experience	Schmid, Susan
Biological sex as a dynamic modulator of neural circuit function and behavior in <i>C. elegans</i>	Portman, Douglas
Effects of Tlr3-dependent innate immune activation and chronic alcohol consumption on gene expression in brain micro-vessels.	Ponomarev, Igor
Investigating the mechanistic link between Cntnap2 and social behaviour using a mouse model	Choe, Katrina
Developmental logic informs the sexual and cellular identities of the nervous system	Allen, Aaron
Neuronal control over cell stress pathways	Prahlad, Veena
Overcoming the preclinical to clinical translational gap in neurodegenerative disorders: application of cross-species touchscreen cognition	Rizzo, Stacey
Symposium 5: Translational Insights into Neurodegenerative Disease: From Mice to Marmosets to Humans	Dumont, Julie
Gene-environment interactions modulating cognitive and affective disorders in mouse models of neurodegenerative brain diseases	Hannan, Anthony
Symposium 1: Gene Expression and Behavioral Regulation: A Cross-Species Exploration	Anreiter, Ina
ApoE4 and A β load interact to drive attentional performance differences on a translational touchscreen task in mice and humans at-risk for Alzheimer's disease	Onuska, Kate
Cell Type Specific Signatures of Social-Stress Escalated Alcohol Consumption in The Paraventricular Thalamus	Maiya, Rajani
Decoding the Biological Basis of Opioid Addiction using Single Nuclei RNA-seq and Chromatin Accessibility from the Nucleus Accumbens	Balderson, Brad
Symposium 2: CNTNAP2 and its role in autism spectrum disorders - from mice to men	Choe, Katrina
Symposium 5: Cell-type specific molecular signatures of alcohol-induced neuroadaptations	Maiya, Rajani
Untangling the web of behaviors used in spider orb-weaving	Gordus, Andrew
STAT3 transcriptional signatures in mouse prefrontal cortex and hippocampus after chronic binge-like drinking	Lasek, Amy
Symposium 4: <i>C. elegans</i> neurogenetics: Behavior, Learning, Stress and Disease	Ferkey, Denise
Sleep-dependent olfactory memory requires astrocytes during sleep to consolidate memory	Chandra, Rashmi
The epigenetic enzyme g9a acts in dynorphin-positive accumbal neurons to reduce stress-induced escalation of ethanol drinking in mice	Anderson, Ethan
Behavioral pharmacology and genetics of psychedelics	Nichols, Charles
Touchscreen-based cognitive tests to assess sleep-associated cognition in mice and humans	Kent, Brianne
Accelerated social representational drift in the nucleus accumbens in the CNTNAP2 model of autism	Golshani, Peyman

Neurodegenerative diseases: <i>C. elegans</i> models and conserved mechanisms	Hart, Anne
Presidential Speaker: Making memories in mice	Josselyn, Sheena
Distinguished Investigator	Holmes, Andrew
Earl Career Investigator: Gene Regulatory Mechanism Shaping Brain Function and Dysfunction	Telese, Francesca
Keynote Speaker: Unlocking the Metabolic Mysteries of Sleep: Before and After the Zzzs	Sehgal, Amita
Can genome-wide association study of cannabis initiation and cannabis use frequency pre-addiction traits reveal novel associations with	Thorpe, Hayley
Examining the relationship between neuronal lactate production, memory, and lipid dynamics in aged mice	Courchesne, Marc
Investigating the interaction between cell adhesion molecule 2 (CADM2) genetic variation and cannabinoids using behavioural and neuro	Choi, Esther
Hunger activates parallel circuit for cue-induced ethanol seeking circuits in <i>Drosophila</i>	Sherer, Lewis
Diverse phenotypic responses across biological scale to environmental enrichment and impoverishment in genetically diverse mice	Leonardo, Michael
Histone variant H2A.Z is relocated in the genome during neuronal development and regulates gene expression.	Youssef, Sandra
Investigating the Effect of Humanized Apolipoprotein E, Amyloid and Tau on Cognition and Alzheimer's Disease Pathology	Arrar, Aya
Genome-wide Association Analysis of Cocaine Traits in <i>Drosophila</i>	Hatfield, Jeffrey
Validating <i>Zhx2</i> as a candidate gene underlying oxycodone metabolite (oxymorphone) brain concentration and behavior via gene editing	Lynch, Will
The histone methyltransferase G9a regulates expression of a cGMP-dependent protein kinase and thermal nociception in <i>Drosophila</i> me	Assaf, Dunya
Investigation into the involvement of <i>C. elegans</i> glia in sensory sensitivity and habituation of tap-induced reversal behaviour	Rankin, Catharine
Serotonin transporter knockdown relieves depression-like behavior and ethanol-induced CPP in mice after chronic social defeat stress	Bahi, Amine
Mapping the neural basis for individual differences in the exploratory behavior of adult zebrafish by combining in-situ hybridization chin	Rajput, Neha
Alcohol-Related Behaviors in a Mouse Model Containing the Human GCKR SNP rs1260326 (P446L)	Mehrhoff, Erika
Sex and genetic background influences oral oxycodone self-administration in the hybrid rat diversity panel: correlations with behavioral	Chen, Hao
The combined effects of Apolipoprotein (ApoE) 4, amyloid, and tau on hippocampal dependent behaviour and pathology in mice	Longmuir, Madison
Investigating the mechanisms of transgenerational effects induced by Ritalin	Jolicoeur, Rebekah
Interconnections between Behavior, Neuroinflammation, Gut Microbiota, Transcriptional Regulation, and Epigenetics in a Mouse Model c	Elias Moreira Júnior, Renato
Sex-specific modulation of social space by dopamine receptors in the <i>Drosophila melanogaster</i> mushroom bodies	Evans, Micah
Pilot Study on the Genetic Effects of THC Metabolism in Mice	Booher, Winona

Using Signal Detection Theory to Define Olfactory Discrimination Reversal Learning Strategies in Mice	Ortibus, Wyatt
Deciphering distinct signaling networks that regulate dopamine-mediated learned and innate behaviours.	Guhle, Dana
Investigating the neural circuitry underlying social spacing using <i>Drosophila melanogaster</i> as a model	Bechard, Abigail
Social spacing: elucidating the neural circuitry	Robinson, Wesley
The role of phosphatidylserine in synaptic development and plasticity at the <i>Drosophila melanogaster</i> neuromuscular junction	Sghaier, Adam
Leveraging the BXD recombinant inbred mouse population to identify gene variants mediating behavioral and physiological responses to	Mulligan, Megan
Dopamine dynamics in the dorsolateral striatum during visuomotor conditional learning task in a mouse model of synucleinopathies.	Attaran, Anoosha
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Wild Isolate Strains of the Nematode <i>C. elegans</i> Reveal Natural Variation in Avoidance Behaviors	Ferkey, Denise
Prepulse inhibition deficits in the <i>Cntnap2</i> -knockout rat depend on startle stimulus intensities	Doornaert, Ella
Effects of <i>Zhx2</i> liver and brain overexpression on oxymorphone metabolite levels and state-dependent oxycodone reward learning in BA	Miracle, Sophia
<i>Fut2</i> genotype and alcohol impacts on gut microbiota in mice	Borges, André Lucas
Identifying neural circuit and molecular mechanisms underlying dopaminergic regulation of sleep in <i>Drosophila melanogaster</i>	Yuli, Sissi
Resting-state Functional Connectivity Alterations Between Hippocampal Subfields and Prefrontal Cortex in Alzheimer's Disease	Unaran, Esmin
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Contrasting roles of <i>Beclin-1</i> in pain hypersensitivity and anxiety-like behaviours in a mouse model of neuropathic pain	Zaheer, Fariya
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Development of a translationally relevant mouse paradigm to study prenatal exposure to $\Delta 9$ - tetrahydrocannabinol	Mulligan, Megan
Behavioral Effects of Chronic Social Isolation in <i>Drosophila</i>	Mahmood, Heba
Molecular mechanisms of alcohol-induced cognitive impairment in <i>Drosophila melanogaster</i> larvae	Sanchez, Isaury
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A comparison of neuroplasticity-related markers in the nucleus accumbens of male and female mice models of chronic inflammatory and	Halasz, Danielle

Sex Differences in Astrocyte-Neuron Dynamics in Chronic Neuropathic Pain in the Anterior Cingulate Cortex	Simal, Ana Letícia
Spontaneously Hypertensive Rat substrains and the offspring of reciprocal F2 crosses exhibit differences in addiction risk traits and cocaine seeking	Baskin, Britahny
Unexpected Sexual Dimorphism in an AstAergic Circuit for Thirst-Motivated Water Seeking	Wolf, Fred
Glutamate receptor expression in startle-mediating neurons in Cntnap2 knock-out rats	Zheng, Alice
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Effects of bacterial strain use on reducing alcohol preference in a free choice animal model	Amormino, Mariana
Uncovering the neural genetic basis of paternal care in African striped mice	Rogers, Forrest
Interaction of trace-amine associated receptor 1 and mu-opioid receptor influence on motivational behaviors and thermoregulation	Rush, Delaney
Sex differences in the effect of sucrose-induced locomotor sensitization in rats	Matic, Vangel
Age-related changes in Acoustic startle response and Prepulse Inhibition of Startle in Four genotypes of Neurexin model mice from 6 to 18 months of age	Delprato, Richard
Mice, selected for success and failure of “puzzle-box” test solution, reveal differences in attention to moving stimuli and memory.	Poletaeva, Inga
Modelling cohesinopathies in fruit flies: Stromalin and its effects on seizure behavior in Drosophila	Sai Dwijsha, Amoolya
Tip60 histone acetyltransferase regulates PDF neuropeptide expression and alcohol-tolerance acquisition in Drosophila melanogaster	Del Valle-Colón, Christian .
Exploring Neurological Effects of Social Isolation in Drosophila	Kaur, Gurlaz
The histone chaperone Srcap regulates H2A.Z genomic location, gene expression, and neuronal differentiation in N2A cells.	karanveer, johal
Chronic adolescent restraint stress downregulates miRNA-200a expression	Kamens, Helen
: Investigating the impact of alpha-synuclein pathology on sustained and selective attention in a translational mouse model	Panjwani, Samina
The neural basis of female aggression in Drosophila	Moehring, Amanda
Absence Seizures in Mouse Models of Alzheimer’s Disease: True Disease-associated Pathology or Unlucky Choice of Background Strain?	Linsenhardt, David
Evaluation of Midgestation Binge Ethanol Exposure on Behavior in Adult Mice and Pilot Bioinformatic Analyses of Potential Candidate Genes	Hamre, Kristin
The role of fruitless and Sex-Peptide-expressing neurons in female mate receptivity of the Drosophila genus	El-Deeb, Omar
Aim: To develop an open-source device for tracking fluid intake in socially-housed rats.	Frie, Jude
Functional inference analysis of cecum and colon microbiota in an animal model of high alcohol consumption and preference	Velten, Mirian
Analysis and functional characterization of alternatively spliced novel isoforms of human genes encoding small heat shock protein 8 and 9	Rashid, Naira
Alcohol-Related Behaviors in a Mouse Model Containing the Human GCKR SNP rs1260326 (P446L)	Merhoff, Erica

Effects of Tlr3-dependent innate immune activation and chronic alcohol consumption on gene expression in brain micro-vessels.	Kisby, Brent
Susceptible pyramidal neurons in primate dorsolateral prefrontal cortex express an enriched calcium interactome: Critical role of calbindin	Datta, Dibyadeep
Mice with Distinct Drug Taking Phenotypes Exhibit Strain Specific Neurocircuitry and Transcriptional Changes.	Wilcox, Troy
The Role of Novel Histone Modifications in Sleep Regulation	Li, Wanhe
Combining neuroimaging and transcriptomics to investigate the A13 as a neuromodulatory target for Parkinson's Disease	Liu, Violet
Genetic Association of Socially Acquired Nicotine Self-administration in Adolescent Outbred Rats Identifies Candidate Genes Shared with	Chen, Hao
A dopaminergic circuit for escalation of alcohol use in Drosophila	Hernandez, John
Molecular Profiling of CADM2 Knockout Mice: Implications for Executive Function and Reward Signaling Pathways	Loedige, Kendra
Nep1 in the Spotlight: Unraveling the Downstream Transcriptional Mediators of Stromalin's Effects on Synaptic Vesicle Pool Size	Pimenov, Illia
Characterization of the gut microbiome and intravenous oxycodone self-administration in two genetically divergent rat strains	Duffy, Eamonn
Genetic diversity shapes the infant's distress response in mice	Rigon Zimmer, Marcelo
Uncovering the neural basis for individual differences in fear memory using adult zebrafish	Kenney, Justin
Helping a friend in need: behavioral and neural mechanisms of prosocial behavior in rats	Hazani, Reut
TCF7L2 deficiency in the thalamus leads to alterations in social behavior profile	Baggio, Suelen
The Adaptor Protein Complex 2 (AP-2) regulates sensorimotor gating through prepulse inhibition and habituation in larval zebrafish	Jain, Roshan
Characterization of cognitive performance in GPR158 transgenic mice across sex and age in a social environment using an automated h	Blount, Alyson
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Genome wide association studies in heterogeneous stock rats identify pleiotropic loci for cue-reactivity and cocaine motivation.	Meyer, Paul