Trainee Professional Development Awards Poster Session

Saturday, November 3
6:30–8:30 p.m.
San Diego Convention Center, Hall A
PLEASE NOTE: Odd numbered posters will be presented 7–7:45 p.m.; even numbered posters will be presented 7:45–8:30 p.m. Presenters are encouraged to network and visit other presenters’ posters when they are not presenting.

The Trainee Professional Development Awards Poster Session is supported by eNeuro and JNeurosci.

_SfN gratefully acknowledges contributions from the following Trainee Professional Development Awards supporters:_

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William Mobley, MD, PhD
A: Development

**Samantha Baglot** JJJ 33
Social isolation stress alters the expression of hippocampal neurogenesis in adolescent animals prenatally exposed to alcohol
University of Calgary
Graduate Student

**Kinga Bercsenyi** JJJ 32
To be, or not to be — neuronal death during development
King's College London
Postdoctoral Fellow

**Tyler Bielinski** JJJ 31
Differing effects of hypoxia on development of dopaminergic neurons in the developing zebrafish
University of Scranton
Undergraduate Student

**Morgan Bridi** JJJ 30
Inhibitory synaptic transmission by parvalbumin-positive interneurons is perturbed in Ctnnap2-KO autism model mice
Hussman Institute for Autism
Postdoctoral Fellow

**Huijie Feng** JJJ 29
A mouse model for GNAO1-associated movement disorder
Michigan State University
Graduate Student

**Nancy Gallus-Carullo** JJJ 28
Enhancer RNAs are necessary and sufficient for gene transcription and neuronal function
University of Alabama at Birmingham
Graduate Student

**Raphael Geddert** JJJ 27
Adolescents and young adults with autism spectrum disorder show specific impairments in cognition
University of California, Davis
Undergraduate Student

**Ryan Griggs** JJJ 26
The diabetes-related metabolite methylglyoxal induces axon initial segment shortening
Wright State University
Postdoctoral Fellow

**Serena Gumusoglu** JJJ 25
Chronic prenatal interleukin-17 is sufficient to cause sex-specific ASD-phenotypes in a mouse model
University of Iowa
Graduate Student

**Samantha Hodges** JJJ 24
Cytokine expression and sickness behavior following lipopolysaccharide stimulation in the Fmr1 knockout mouse
Baylor University
Graduate Student

**Camille Juzwik** JJJ 23
Inhibition of miR-383 promotes axon regeneration following injury
McGill University
Graduate Student

**Zsofia Kovacs-Balint** JJJ 22
Development of amygdala-prefrontal cortex circuits in primates: A longitudinal neuroimaging study in infant macaques
Emory University
Postdoctoral Fellow
Kelsey Lloyd  JJJ 21
Adolescent high fat diet impairs motivation and disrupts prefrontal cortex gene expression in adulthood
University of Cincinnati
Graduate Student

Melissa Martin  JJJ 20
Brain and behavioral consequences of developmental nicotine exposure in a GAD67-GFP mouse model
Florida State University
Graduate Student

Veronica Mucciarone  JJJ 19
Differential brain activation of OPRM1 genotypes in response to reward during early adolescence
Georgetown University
Undergraduate Student

Lauren Neal  JJJ 18
Homology in Gyf gene maintains neuron cell homeostasis in Drosophila melanogaster and Drosophila eugracilis
Agnes Scott College
Undergraduate Student

Bart Nieuwenhuis  JJJ 17
Elevated phosphoinositide 3-kinase activity promotes axon regeneration of central nervous system neurons
University of Cambridge
Graduate Student

Suzanne Nolan  JJJ 16
Dietary rescue of adult behavioral deficits in the Fmr1 knockout mouse
Baylor University
Graduate Student

Maya Opendak  JJJ 15
Developmental psychopathology after maltreatment and disordered attachment within the Strange Situation Test: Insights from an animal model
New York University Langone Medical Center
Postdoctoral Fellow

Louis-Jan Pilaz  JJJ 14
Dynamic RNA localization and local translation in the radial glial cells of the mammalian brain
Duke University Medical Center
Postdoctoral Fellow

Hércules Freitas  JJJ 13
CB1/2 receptor activation induces death of chick embryonic retinal cells
Universidade Federal do Rio de Janeiro
Graduate Student

Maria Ryazantseva  JJJ 12
The role of kainate receptors in the development of amygdala internal glutamatergic circuit in neonatal rats
University of Helsinki
Postdoctoral Fellow

Sophie Schwartz  JJJ 11
Response to own name in noise differs in autistic adolescents with severe language impairments
Boston University School of Medicine
Graduate Student

Morgan Sherer  JJJ 10
An investigation into the long-term impact of prenatal zika virus infection on the developing brain using a rat model of maternal infection
University of Delaware
Graduate Student
Leonid Yermakov  
**Structural changes in axon initial segment in diabetic brain**  
Wright State University  
Graduate Student

**B: Neural Excitability, Synapses, and Glia**

Scott Alpizar  
**Loss of NF-186 alters the distal accumulation of sodium channels within the axon initial segment**  
Dartmouth College  
Graduate Student

Arielle Baker  
**Patterns of presynaptic connectivity and modulation in the mouse medial prefrontal cortex**  
Dartmouth College  
Graduate Student

Mora Belén Ogando  
**Cholinergic modulation reorganizes dentate gyrus microcircuits**  
University of Buenos Aires  
Graduate Student

P. Lorenzo Bozzelli  
**The role of PAR-1 activation in sharp wave ripple event frequency**  
Georgetown University  
Graduate Student

Colleen Carpenter  
**A novel zebrafish model of GABRB3-linked childhood epilepsy**  
University of California, San Francisco  
Postdoctoral Fellow

Chantel Charlebois  
**Validating cortical surface electrode localization uncertainty with simulation and clinical stimulation**  
University of Utah  
Graduate Student

Caroline Cvetkovic  
**Investigating human neuron-astrocyte functional interactions using a bioengineered 3D coculture platform**  
Houston Methodist Research Institute  
Postdoctoral Fellow

Brionna Davis-Reyes  
**Role of medial prefrontal cortex NMDA receptors in inherent impulsivity**  
University of Texas Medical Branch, Galveston  
Graduate Student

Margaret DeMaegd  
**Differential current accumulation from antidromic action potentials modulates stimulus encoding**  
Illinois State University  
Graduate Student

Beatrice D’Orsi  
**The role of the Mitochondrial Ca2+ Uniporter (MCU) in the pathogenesis of Alzheimer’s disease.**  
University of Padua  
Postdoctoral Fellow

Larissa Erben  
**Analysis of neurodevelopment and schizophrenia-relevant behaviors in ErbB4 mutant mice lacking the Cyt-1 isoform**  
Graduate Student Partnership Program, National Institutes of Health and University of Bonn  
Graduate Student
Nicholas Gallo
Axo-axonic innervation of neocortical pyramidal neurons by GABAergic chandelier cells requires ankyrinG-associated L1CAM
Cold Spring Harbor Laboratory/ Stony Brook University
Graduate Student

Wei Huang
Higher-order visual thalamus orchestrates cortico-cortical synchronization during sustained attention
University of North Carolina at Chapel Hill
Graduate Student

Hada Fongha leong
Desynchronized lower alpha rhythms were associated with functional ischemia in the prefrontal cortex in heroin patients after protracted abstinence: a concurrent EEG-fNIRS study
University of Macau
Graduate Student

Ashley Ingiosi
Astroglial contributions to sleep homeostasis
Washington State University
Postdoctoral Fellow

Marek Kowalski
Ketamine trapping inside of NMDA channels affects spiking dynamics in Hodgkin-Huxley-like models
Boston University
Graduate Student

Andrew Lapato
Remodeling of GABAergic innervation may contribute to cortical hyperexcitability and seizures in chronically demyelinated mice
University of California Riverside School of Medicine
Graduate Student

Jordan Logue
Effects of social isolation rearing and ketamine on hippocampal synaptic plasticity
Florida State University
Graduate Student

Ketan Marballi
EGR3 is required for activity dependent Bdnf exon IV and VI induction in the mouse hippocampus
University of Arizona College of Medicine
Postdoctoral Fellow

Aditya Nair
Cell-type specific cholinergic modulation of the claustrum
National University of Singapore
Undergraduate Student

Rosana Penalva
Role of regulatory T cells in remyelination following cuprizone-induced demyelination
Max Planck Institute for Psychiatry, Germany; Universidad de Buenos Aires
Postdoctoral Fellow

Austin Ramsey
Dynamic control of synaptic substructure and function by adhesion molecules
University of Maryland, Baltimore
Graduate Student

Armando Salinas
Direct simultaneous comparison of a novel fluorescent dopamine sensor (dLight) with fast-scan cyclic voltammetry in cortex and striatum
National Institute on Alcohol Abuse and Alcoholism
Postdoctoral Fellow
Natascha Schaefer
The GLRB mouse mutant spastic — model system to study agoraphobic behavior
University Hospital Wuerzburg/Institute for Clinical Neurobiology
Postdoctoral Fellow

Alec Sheffield
Transcranial static magnetic field stimulation of the dorsolateral prefrontal cortex has region specific effects on neural oscillations
Massachusetts Institute of Technology
Undergraduate Student

Rachael Stein
Hippocampal deletion of sodium channel Nav1.1 causes thermally evoked seizures and spatial learning deficits in a mouse model of Dravet Syndrome
University of Washington
Graduate Student

Marie-Kim St-Pierre
Identification of a dark microglia specific marker
Université Laval
Graduate Student

Alejandro Torrado Pacheco
Sleep temporally segregates the expression of downward firing rate homeostasis in vivo
Brandeis University
Graduate Student

Dylan Verden
Nrf2 function in oligodendrocyte development and injury responses
University of Colorado, Anschutz Medical Campus
Graduate Student

Caitlin Wotton
Contribution of astrocytic purinergic signalling in serotonin neuromodulation
University of Saskatchewan
Graduate Student

C: Neurodegenerative Disorders and Injury

Nicholas Batty
Electrical stimulation to promote plasticity in the injured corticospinal tract
University of Alberta
Graduate Student

Nicolas Belforte
Early neuronal pathogenesis and dysfunction by the activation of AMP-activated protein kinase — mammalian target of rapamycin pathway
University of Montreal Hospital Research Center (CRCHUM)
Postdoctoral Fellow

Brandon Berkemeier
Pain-like withdrawal responses to conditioned auditory cues associated with repeated von Frey stimuli in two rat models of neuropathic pain
University of Cincinnati College of Medicine
Undergraduate Student

Molly Braun
Remote ischemic post-conditioning accelerates hematoma resolution after intracerebral hemorrhage by modulating innate immune activation
Medical College of Georgia
Graduate Student
Saranya Canchi  
Comparison of gene expression profile of Alzheimer’s disease using modular maximization reveals role of EGR3  
University of California, San Diego  
Postdoctoral Fellow

Randall Carpenter  
Bad to the bone: Spinal cord injury disrupts hematopoietic and immune cell function in the bone marrow niche  
The Ohio State University  
Graduate Student

Amanda Cheung  
Diagnostic and prognostic potential of serum and CSF UCHL-1 in acute traumatic spinal cord injury  
University of British Columbia/ICORD  
Graduate Student

Jonathon Chio  
Drug Repurposing: High Dose Human Intravenous Immunoglobulin G for Treatment of Traumatic Cervical Spinal Cord Injury  
University of Toronto  
Graduate Student

Stephanie Ciarlone  
Alterations in amyloid beta peptide levels following subclinical blast overpressure exposure in a rodent model of traumatic brain injury  
Naval Medical Research Center  
Postdoctoral Fellow

Marangelie Criado-Marrero  
High FKBP52 levels cause tau aggregation leading to hippocampal-dependent memory impairments  
University of South Florida  
Postdoctoral Fellow

Julia Crone  
Are changes in time-varying network dynamics truly driven by consciousness?  
University of California, Los Angeles  
Postdoctoral Fellow

Jean-Christophe Delpech  
P2X7R inhibitor blocks exosome secretion and delays proteopathic tau accumulation in P301S tau mice  
Boston University  
Graduate Student

Beatriz Garcia-Diaz  
Blood vessels guide Schwann cell migration in the adult demyelinated CNS through Eph/Ephrin signaling  
Institut du Cerveau et de la Moelle Épinière (ICM)  
Postdoctoral Fellow

Emily Gilbert  
Using metformin to activate endogenous precursor cells in the spinal cord  
University of Toronto  
Postdoctoral Fellow

Jenna Glatzer  
Oligodendrocyte dysfunction and c9orf72 als  
Johns Hopkins University School of Medicine  
Graduate Student

Albina Ibrayeva  
Origins of age-related neurogenesis decline  
University of Southern California  
Graduate Student

Deepak Kaushik  
Glycolysis drives leukocyte migration and subsequent neuropathology in an animal model of multiple sclerosis  
University of Calgary  
Postdoctoral Fellow
Shahrnaz Kemal
Absence of tau does not prevent dystrophic neurite formation in two Alzheimer’s disease mouse models
**Northwestern University**
Postdoctoral Fellow

Haneui Kim
Western diet impedes recovery after experimental spinal cord injury
**Mayo Clinic**
Postdoctoral Fellow

Jacqueline Kulbe
Neuroprotective strategies following experimental traumatic brain injury: Inhibition of mitochondrial permeability transition, lipid peroxidation-derived neurotoxic aldehyde scavenging and monoamine oxidase inhibition
**University of Kentucky**
Graduate Student

Mantosh Kumar
Attenuation of excitotoxicity induced molecular changes by NMDAR inhibitors
**Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram**
Graduate Student

Harald Lund
Dysregulation of TGF-beta signaling in monocyte-derived macrophages results in fatal neurodegeneration
**Karolinska Institutet**
Postdoctoral Fellow

Ian Mahar
Subgenual anterior cingulate white matter and depressive etiology in chronic traumatic encephalopathy
**Boston University**
Postdoctoral Fellow

Raza Malik
A novel task to measure lower limb coordination after spinal cord injury and its relation to proprioceptive sense
**University of British Columbia**
Graduate Student

Marta Maltese
Differential modulation of striatal projection neurons following dopamine loss and replacement
**New York University Medical Health**
Postdoctoral Fellow

Jose Martinez
Building a plausible model for tdp-43 driven als/ftd pathology
**University of Wisconsin**
Graduate Student

Paola Meade
Human cerebrospinal fluid induces an increase in proliferation of glioblastoma cells in vitro and in vivo
**Anahuac University**
Undergraduate Student

Ari Mendell
Finasteride differentially impacts dendritic morphology of hippocampal neurons and impairs object recognition memory in male 3xTg-AD mice
**University of Guelph**
Graduate Student

Daniel Moreno Blas
Autophagy dysfunction during neuronal senescence
**National Autonomous University of Mexico (UNAM)**
Graduate Student
Brandie Morris
Poly-GR expression in a novel mouse model of C9orf72-ALS
Thomas Jefferson University
Graduate Student

Elizabeth Nguyen
Hypothalamic-pituitary-adrenal axis hyperactivity precedes cognitive impairments in female mice genetically vulnerable to Alzheimer’s disease
University of Cincinnati College of Medicine
Graduate Student

Maria Nguyen
LRRK2 phosphorylation of auxilin mediates synaptic defects in dopaminergic neurons from patients with Parkinson's disease
Northwestern University
Graduate Student

David Nowak
Combined pro-regenerative strategies and targeted rehabilitation to improve behavioral outcomes after spinal cord injury
Marquette University
Undergraduate Student

Daniel Ojeda Juárez
Lipocalin-2 deficiency limits alterations of neurotransmission-related gene networks in a transgenic model of HIV-induced brain injury
Sanford Burnham Prebys Medical Discovery Institute
Graduate Student

Anthony Oppong-Gyebi
Influence of ovarian hormone deprivation length on the neuroprotective effects of genistein in stroke
University of North Texas Health Science Center
Graduate Student

Laura Palmer
Amyloid β reduces pannexin-1 channel opening during ischemia through a novel mGluR1-mediated mechanism
University of Calgary
Graduate Student

Karen Parra
Hippocampal neuropathology in patients with seizures secondary to multiple sclerosis
University of California, Riverside
Undergraduate Student

Andrée-Anne Poirier
Therapeutic repurposing of dutasteride as an immunomodulatory drug for the treatment of gut inflammation in a mouse model of Parkinson’s disease
Laval University
Graduate Student

Ayumi Pottenger
Evaluating the effects of sub-anesthetic ketamine on microglia morphology in a pre-clinical model of L-DOPA induced dyskinesia
University of Arizona
Undergraduate Student

Daniel Quesada-Yamasaki
Chronic corticosterone administration without posterior immune challenge induces depressive-like behavior and microglia priming but not proliferation in young adult and middle-aged rats
University of Costa Rica
Undergraduate Student

Pilar Rivero-Ríos
Pathogenic LRRK2 alters endolysosomal trafficking through impairing Rab8a function
IPBLN-CSIC
Graduate Student
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Astrocytes determine pathway of cell death triggered by oxidative stress in neurons  
Boston University  
Undergraduate Student

Jessika Royea  
Angiotensin II type 2 receptors’ role in a mouse model of Alzheimer’s disease  
McGill University  
Graduate Student

Marissa Schafer  
Circulating GDF11 is associated with cortical thickness, amyloid burden, and cognitive performance  
Mayo Clinic  
Postdoctoral Fellow

Cristina Simon-Martinez  
Functional connectivity of the sensorimotor network is influenced by the corticospinal tract wiring pattern in unilateral cerebral palsy  
University of Leuven — KU Leuven  
Graduate Student

Hailong Song  
Characterization of mitochondrial damage due to low-intensity primary blast injury  
University of Missouri, Columbia  
Graduate Student

Shanshan Song  
Selective deletion of Na+/H+ exchanger in Cx3cr1+ microglia stimulates white matter myelination and improves post-stroke function recovery  
University of Pittsburgh  
Postdoctoral Fellow

Ann Van der Jeugd  
Reversal of memory and neuropsychiatric symptoms and reduced taupathology by selenium in 3Xtg-AD mice  
KULeuven  
Postdoctoral Fellow

Susanne Van Veluw  
Vasoactivity as the driving force for paravascular clearance in the awake Alzheimer model mouse brain  
Massachusetts General Hospital/ Harvard School of Medicine  
Postdoctoral Fellow

Hai Vo  
Klotho regulates the activity of hippocampal neurons  
University of Alabama at Birmingham  
Graduate Student

Katharine von Herrmann  
Neurogenic inflammation resulting from expression of constitutively activated NLRP3 in mesencephalic dopamine neurons  
Geisel School of Medicine at Dartmouth  
Graduate Student

Philippa Warren  
The effects of chronic paralysis on the mechanical properties and fibre-type composition of the diaphragm  
University of Leeds  
Postdoctoral Fellow

Kobi Wasner  
Investigating a novel role for parkin in mitochondrial dna maintenance in induced pluripotent stem cell-derived neurons from Parkinson’s disease patients  
Université du Luxembourg  
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Alison Weiss  
Assessing altered cortico-basal ganglia circuitry in a novel AAV-mediated non-human primate model of Huntington’s disease  
Oregon Health & Science University  
Postdoctoral Fellow

Chung-Yang Yeh  
Neuroprotection by small molecule inhibition of Kv2.1/syntaxin interaction  
University of Pittsburgh  
Graduate Student

Alexis Ziemba  
Characterization of a hypothermic coating to target cortical neuroinflammation  
Rensselaer Polytechnic Institute  
Graduate Student

D: Sensory Systems

Rachel Barborek  
Identifying the molecular components of cold nociception in Drosophila melanogaster  
James Madison University  
Undergraduate Student

Sampurna Chakrabarti  
Role of transient receptor potential (TRP) channels in acute inflammatory knee pain  
University of Cambridge  
Graduate Student

Sisi Chen  
Inflammatory and neuropathic pain enhances neural excitability and synaptic transmission in a population of GRM2+ neurons in anterior cingulate cortex  
University of Cincinnati  
Postdoctoral Fellow

Jolande Fooken  
Eye and hand movement characteristics during rapid go/no-go decisions in Parkinson’s disease  
University of British Columbia  
Graduate Student

Emma Holmes  
Understanding speech in background noise relies on similar processes to figure-ground segregation  
University College London  
Postdoctoral Fellow

Suraj Honnuraiah  
Cellular and circuit mechanisms underlying processing of binocular visual information in visual cortex  
Australian National University  
Graduate Student

Kathleen Hupfeld  
Neural correlates of vestibular processing during exposure to a spaceflight analog with elevated carbon dioxide  
University of Florida  
Graduate Student

Ethan Knights  
Hand-selective areas of both dorsal and ventral visual streams represent how to appropriately grasp 3D tools  
University of East Anglia  
Graduate Student

Yuanning Li  
Pre-stimulus endogenous activity modulates category tuning and influences perceptual behavior  
Carnegie Mellon University  
Graduate Student
Kristyn Lizbinski  
Multiple neuromodulators influence odor coding via distinct mechanisms  
West Virginia University  
Graduate Student

Elora Midavaine  
Therapeutic gene modulation of the CCR2 chemokine receptor confers analgesia and anti-proliferative activity in a rat model of cancer-induced bone pain  
Université de Sherbrooke  
Graduate Student

Shreyas Mysore Suryanarayana  
Sensory organization in the primordial lamprey cortex  
Karolinska Institutet  
Graduate Student

Jacquelyn Omelian  
Developmental differences in immune response to gustatory nerve loss  
University of Nebraska at Omaha  
Graduate Student

Natalie Ortiz-Vega  
Retinal albinism and abnormal electroretinograms in VAMP7 null  
Universidad de Puerto Rico, Bayamon  
Undergraduate Student

Nicole Pacchiarini  
Discrimination learning with tactile stimuli in rodents  
Cardiff University  
Graduate Student

Atit Patel  
Cellular and behavioral requirements for calcium induced calcium release mechanisms in cold nociception  
Georgia State University  
Graduate Student

Tim Rohe  
The pre- and post-stimulus dynamics of the brain’s multisensory causal inferences  
University of Tuebingen  
Postdoctoral Fellow

Francisco Sacadura  
Thermal grill model of human pain perception facilitates late but not early somatosensory evoked potentials  
University College London  
Undergraduate Student

Joshua Sanchez  
Characterizing the pathological effects of prenatal alcohol exposure on spinal neuroimmune mechanisms that result in neuropathic touch sensitivity  
University of New Mexico  
Graduate Student

Takuma Sonoda  
A subpopulation of GABAergic intrinsically photosensitive retinal ganglion cells in the mouse retina  
Northwestern University  
Graduate Student

E: Motor Systems

Matthew Becker  
Graded and bidirectional control of real-time reach kinematics by the cerebellum  
University of Colorado  
Graduate Student

Justin Brantley  
Noninvasively recorded human cortical dynamics during level-ground, incline, and stair locomotion  
University of Houston  
Graduate Student
Digna de Kam  
**University of Pittsburgh**  
*Postdoctoral Fellow*

Do performance errors and environmental switches regulate generalization of learned locomotor features across contexts?

Shlomi Haar  
**Imperial College London**  
*Postdoctoral Fellow*

Neurobehavioural imaging of natural motor learning in a complex human skill

Masaaki Hayashi  
**Keio University**  
*Graduate Student*

Promoting excitability of corticospinal tracts from a targeted hemisphere through interplay with EEG-based brain-computer interface

Elena Kokkoni  
**University of Delaware**  
*Postdoctoral Fellow*

Merging enriched environments and assistive technology to enhance early exploratory and motor activity in young children

Liu Liu  
**Baylor College of Medicine**  
*Postdoctoral Fellow*

Mesoscale analysis of decision making, motor planning and movement initiation

Yin Liu  
**Stanford University**  
*Postdoctoral Fellow*

Molecular and functional diversity of pulmonary sensory neurons revealed by single-cell RNA sequencing

Brianna Marsh  
**The University of Kansas**  
*Undergraduate Student*

Decoding the neural substrates of intent to speak

J. Patrick Mayo  
**Duke University**  
*Postdoctoral Fellow*

The relative contributions of area MT and the frontal eye fields to the latency of smooth pursuit

Ayun Nakahashi  
**University of Montreal**  
*Graduate Student*

Fronto-parietal neural activity during multi-attribute decision-making with conflicting value information

Alica Rogojin  
**York University**  
*Graduate Student*

Sex-related differences in the relationship between dementia risk and cognitive-motor integration performance

Naveen Sendhilnathan  
**Columbia University**  
*Graduate Student*

Mid-lateral cerebellar Purkinje neurons participate in visuomotor associative learning

Jared Smith  
**Salk Institute for Biological Studies**  
*Postdoctoral Fellow*

Whole-brain mapping of the input-output organization of claustrum implies its functional role as a limbic-motor interface

Rini Varghese  
**University of Southern California**  
*Graduate Student*

Interlimb differences during bimanual aiming after stroke: Effect of target distance
### Integrative Physiology and Behavior

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<td>California Institute of Technology</td>
<td>Evolutionarily conserved regulation of sleep by epidermal growth factor receptor signaling</td>
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Peng Li

Brain correlates of fractal regulation in motor activity—Results from the Rush Memory and Aging Project

Harvard Medical School/Brigham & Women’s Hospital
Postdoctoral Fellow

Megan Linscott

Tet1 regulates Fgf8 expression in the developing hypothalamus during gonadotropin-releasing hormone neuron emergence

Kent State University
Graduate Student

Trevor McPherson

Physiological correlates of the ANS and HPA-axis in active and passive music therapy interventions

University of North Carolina at Chapel Hill
Undergraduate Student

Mackenna Mejdell

Sex-specific effects of endocannabinoid action on cued fear conditioning and extinction

Northeastern University
Undergraduate Student

Dulce Minaya Caba

Roux-en-Y and vagotomy increase DNA fragmentation in vagal afferent neurons of rats within 24h

University of Georgia
Postdoctoral Fellow

Kathleen Morrison

Epigenetic programming of chromatin accessibility by stress during puberty

University of Maryland School of Medicine
Postdoctoral Fellow

Amy Nelson

Regulating pericytes with optogenetics

University of Southern California
Postdoctoral Fellow

Mariana Rodriguez

Social network effects on learning and neural processing of a visual cue discrimination task

The University of Texas at Austin
Graduate Student

Loranzie Rogers

The effect of self-generated movement on lateral line sensitivity in the toadfish, Opsanus tau

University of Minnesota, Duluth
Graduate Student

Marc Schneeberger Pane

Dorsal raphe nucleus gabaergic neurons control adaptive thermogenesis

The Rockefeller University
Postdoctoral Fellow

Kristina Smiley

Identifying prolactin-responsive neurons important for the transition to paternal care

University of Otago
Postdoctoral Fellow

Stefanos Stagkourakis

Maternal aggression depends on a prolactin- and oxytocin-sensitive switch in ventral premammillary nucleus (PMv) network behavior

Karolinska Institutet, Biomedicum
Graduate Student

Kathryn West

Neural-vascular uncoupling mediates motor performance decline in multiple sclerosis

University of Texas at Dallas
Postdoctoral Fellow
**Tiffany Yang**

Exercise-induced neuronal activation differs following acute and chronic exposure to wheel running

*University of Illinois at Urbana-Champaign Graduate Student*

**G: Motivation and Emotion**

**Elisabeth Abs**

Learning-related plasticity of dendritic inhibition in neocortical layer 1

*Max Planck Institute for Brain Research Graduate Student*

**Ibukun Akinrinade**

Oxytocin regulation of social buffering and social contagion of fear in zebrafish

*Istituto Gulbenkian de Ciencia Graduate Student*

**Charlotte Bavley**

Prelimbic to accumbens core projection in reinstatement of cocaine conditioned place preference: role of Cav1.2 L-type calcium channels

*Weill Cornell Graduate Student*

**Sriya Bhattacharya**

Pre-conception predator stress induces physiological and behavioral changes in offspring

*Memorial University Graduate Student*

**Jennifer Blaze**

The role of NSUN2-mediated tRNA methylation in the adult mouse cortex on depressive- and anxiety-like behavior

*Icahn School of Medicine at Mt. Sinai Postdoctoral Fellow*

**Jordan Carter**

Long-term impact of acute stress on cognition, anxiety, and reinstated heroin seeking in male and female rats

*Medical University of South Carolina Graduate Student*

**Victor Cazares**

Neural mechanisms underlying impaired extinction learning in a wild-type inbred mouse strain

*University of Michigan Postdoctoral Fellow*

**David Clewett**

Brain mechanisms by which emotional learning selectively and retroactively enhances memory for related information

*New York University Postdoctoral Fellow*

**Kara Cover**

Contribution of the rostral intralaminar thalamic nuclei to striatal physiology and behavior

*University of Maryland School of Medicine Graduate Student*

**Kirstie Cummings**

Prefrontal somatostatin interneurons encode memory through disinhibition

*Icahn School of Medicine at Mt. Sinai Postdoctoral Fellow*

**Johannes de Jong**

A neural circuit mechanism for coding negative motivational stimuli in the mesolimbic dopamine system

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Marquette University
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National Institute on Alcohol Abuse and Alcoholism; National Institute on Drug Abuse
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Michelle Land  FFF 22
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