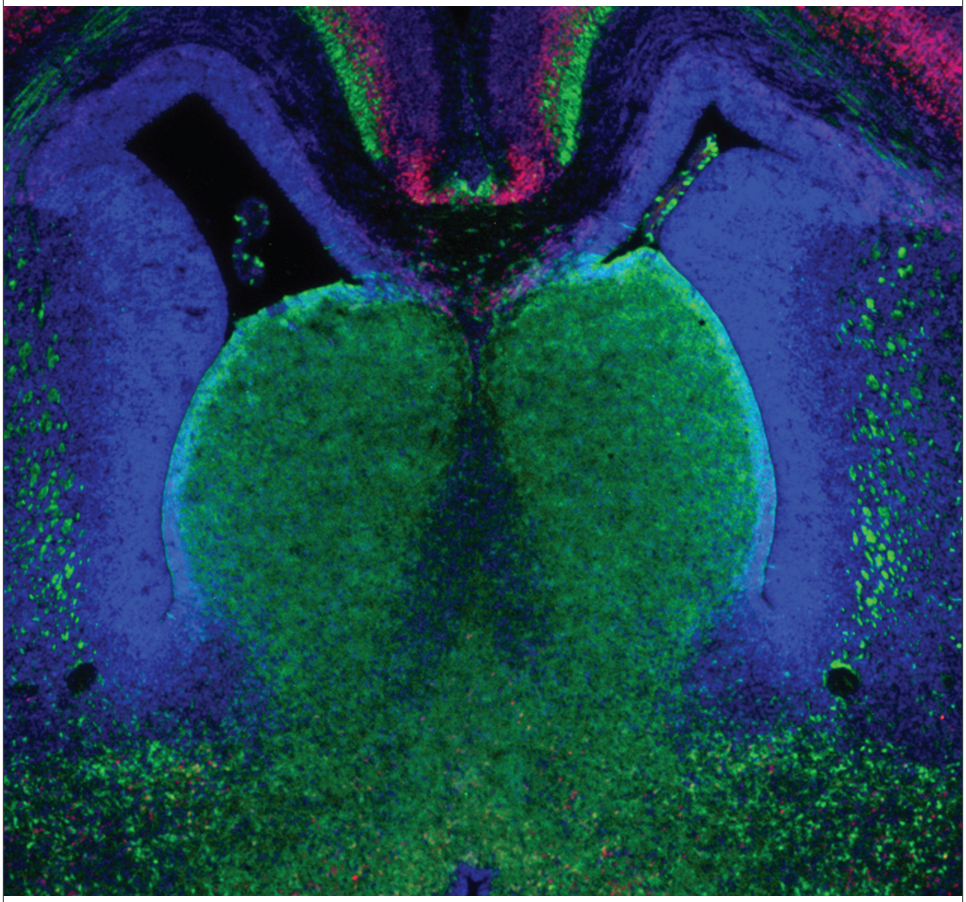
NEUROSCIENCE 2019

DIVERSITY POSTER SESSION PROGRAM

Saturday, October 19 • 6:30 p.m.–8:30 p.m. • McCormick Place Convention Center: Hall A



Society for Neuroscience

Celebrating 50 Years 1969–2019

Welcome to the annual SfN Diversity Poster Session

Welcome to the annual SfN Diversity Poster Session. This session is hosted annually to celebrate the career development of underrepresented groups in neuroscience, whose participation in the field is critical to solving problems in biomedical research.

The trainees presenting their research in this session represent a bright future for neuroscience, and in today's environment for scientific funding, professional organizations play a critical role in ensuring the continued career development of these trainees by providing opportunities for networking, mentoring, professional development, and research.

Trainees showcasing their science today have received support from the following programs:

- **Neuroscience Scholars Program (NSP): Supported by the National Institute of Neurological Disorders and Stroke (NINDS)**
- **Enhancing Neuroscience Diversity through Undergraduate Research Education Experiences (ENDURE): Supported by the NIH Blueprint Enhancing Neuroscience Diversity through Undergraduate Research Education Experiences**
- **D-SPAN: Supported by the NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience**
- **Specialized Neuroscience Research Program (SNRP): Supported by the National Institute of Neurological Disorders and Stroke (NINDS)**
- **Princeton Neuroscience Institute (PNI): Supported by the National Institute of Neurological Disorders and Stroke (NINDS)**
- **Summer Program in Neuroscience, Excellence and Success (SPINES): MBL courses derive major support from grants awarded by the Burroughs Wellcome Fund, the Leona M. and Harry B. Helmsley Charitable Trust, the Howard Hughes Medical Institute, the National Institutes of Health, The Grass Foundation, and the Simons Foundation.**

SfN gratefully acknowledges the financial support provided by National Institutes of Health (NIH).

The posters are organized by the following themes:

A: Development
B: Neural Excitability, Synapses, and Glia
C: Neurodegenerative Disorders and Injury
D: Sensory Systems
E: Motor Systems
F: Integrative Physiology and Behavior
G: Motivation and Emotion
H: Cognition
I: Techniques
J: History, Education, and Society

A: Development

AYOMIPOSI ADEWAKUN (L-1)
Investigating the unique roles of LSD1 and KDM5C histone demethylases in neurodevelopment through the characterization of microexons
New York University
ENDURE

MARIA ALI (L-2)
C-met inhibition reduces dorsal oligodendrocyte progenitor cell migration
University of Virginia
NSP

JONATHAN AUGUSTIN (L-3)
The role of Pantr2 in mouse cortical development
Johns Hopkins Medical Institute
NSP

CHRISTOPHER BLACKWOOD (L-4)
Jagged1 is Essential for Radial Glial Maintenance in the Cortical Proliferative Zone
National Institutes of Health, NIDA
NSP

AUTUMN BRUNSON (L-5)
Neural correlates of predator odor-induced anxiety in the lateral septum
Tennessee State University
ENDURE

SOFIA CÁRDENAS (L-6)
Theory of Mind Task Performance in Expectant Fathers: Links with Prenatal Attachment
University of Southern California
NSP

CARLOS CARDENAS-INIGUEZ (L-7)
Socioeconomic status, minority status, and neighborhood deprivation effects on brain structure and cognitive function: A multivariate analysis of the ABCD study dataset
The University of Chicago
NSP

LAURA CORTES (L-8)
Effect of early-life knock-down of DNMTs and TETs on sex differences in cell type in the hypothalamus
Georgia State University
NSP

JEAN RODRIGUEZ DIAZ (L-9)
Role of NMDARs in the development of coordinated activity in neuronal cultures
University of Michigan
NSP

ALEJANDRA FERNANDEZ (L-10)
The role of Pten in the development of primary sensory neurons
Oregon Health and Science University
NSP

MONICA LANNOM (L-11)
Dynamic regulation of miRNA biogenesis by Fmrp and Mov10 affects neuronal development
University of Illinois Urbana Champaign
NSP

JOSE MIGUEL ANDRADE LOPEZ (L-12)
Nervous system evolution: a molecular genetic characterization of neural cell types in S. kowalevskii
Stanford University
NSP

HIRUY MEHARENA (L-13)
Altered 3D-genome Architecture of Neural Progenitor cells as a consequence of Down Syndrome
Massachusetts Institute of Technology
NSP

NADINE MICHEL (L-14)
The Neurodevelopmental Consequences of Genomic Stress
University of Virgina
NSP

EVELYN ORDONES (L-15)
Stress Effects on Impulsive Choice Depend on Sex and Time of Exposure During Development
Temple University
NSP

PATRESE ROBINSON-DRUMMER (L-16)
Maternal suppression of learned fear and developmental transitions in prefrontal activity
New York University Medical Center
NSP

NIHAL SALEM (L-17)
Fetal sex is a determinant of maternal plasma microRNA responses to prenatal alcohol exposure: Evidence from an analysis of a Ukraine Cohort
Texas A&M University
D-SPAN

KAELA SINGLETON (L-18)
Mismatched sox: differential partner proteins & downstream targets of sox11 in neural development
Georgetown University
D-SPAN

ÁNGEL J. SIRFA-LÓPEZ (L-19)
Characterization of radial nerve cord in vitro explants of sea cucumber Holothuria glaberrima
University of Puerto Rico
ENDURE

SAMANDA VALENTE (L-20)
Cellular effects of mutation to Topoisomerase II Beta and its role in neurodevelopment
Carnegie Mellon University
ENDURE

B: Neural Excitability, Synapses, and Glia

ALYSSA BRUNAL-BROWN (L-21)
Neuronal Connexin 36 is regulated by and contributes to the susceptibility of PTZ-induced seizures
Virginia Polytechnic Institute and State University
NSP

MIDORI FLORES (L-22)
Excitotoxicity Observed in NSC-34 Cells Following Methylmercury Exposure
St. Mary's University, TX
ENDURE

TAVITA GARRETT (L-23)
Information Processing by Unipolar Brush Cells of the Vestibular Cerebellum
Vollum Institute/Oregon Health & Science University
NSP

KRISTIE GARZA (L-24)
Gamma frequency sensory stimulation induces neuroimmune signaling cascade
Emory University
NSP

JASMIN HICKS (L-25)
Synaptic Ultrastructure at the Drosophila Neuromuscular Junction
Colorado State University
NSP

TAYLOR JEFFERSON (L-26)
Effects of cyclopiazonic acid (CPA) on total calcium accumulation observed in apical dendrites of CA1 pyramidal neurons from young adult and aged rats
Northwestern University
NSP

MARLENE KANMOGNE (L-27)
Increased complement expression on infiltrating immune cells is associated with synaptic elimination post West Nile virus encephalitis
Washington University in St. Louis School of Medicine
NSP

LAUREN KEENER (L-28)
Co-localization of CDKL5 in excitatory and inhibitory synapses
New Mexico State University
ENDURE

EMILY KELLY-CASTRO (L-29)
Dendritic spine abnormalities and behavioral deficits in forebrain-specific MARK1 knockout mice
Rutgers Robert Wood Johnson Medical School
NSP

OMAR KOITA (L-30)
Separation of acute desensitization and long-term tolerance of mu-opioid receptors is determined by the degree of C-terminal phosphorylation
Vollum Institute/Oregon Health & Science University
NSP/ SPINES

SCOTT LEE (L-31)
Localization of a SPARC 3′ UTR Mutant in Astrocytes
Saint Louis University
ENDURE

EMILY MAKOWICZ (L-32)
The role of GABA innervation of pyramidal neurons projecting to the dorsal raphe in an animal model of anorexia nervosa
Hunter College
ENDURE

KYLIE MCPHERSON (L-33)
Diverse cell types within the vlPAG exhibit opioid-induced GIRK currents.
Vollum Institute/Oregon Health & Science University
NSP

MONIQUE MENDES (L-34)
In vivo imaging of microglial self-renewal and maturation in the adult mouse brain
University of Rochester Medical Center
NSP

OSCAR MENDEZ (L-35)
Toxoplasma gondii interactions and electrophysiology differences in the central nervous system
University of Arizona
D-SPAN

DENYE MICKENS (L-36)
Intracellular Fibroblast Growth Factors and the Modulation of Cardiac Kv Currents
Washington University in St. Louis
ENDURE

ARIANA DEL MAR MILLER MALDONADO (L-37)
Gene-Environment Interaction in Amyotrophic Lateral Sclerosis: Dysfunction of Glutamate homeostasis in Superoxide Dismutase 1 G93A Mice
University of Puerto Rico, Caye
ENDURE

ARIEL NIEVES (L-38)
Reconstruction of excitatory bipolar cell input to mouse ON alpha-like retinal ganglion cells with electron microscopy
Hunter College
ENDURE

KEVIN G. NIEVES-SANTOS (L-39)
Glutamate-like immunoreactivity in the central nervous system of Biomphalaria glabrata: the intermediate host for schistosomiasis
University of Puerto Rico
ENDURE

ADBIEL RODRIGUEZ-SANTIAGO (L-40)
HIV's gp145 as a Vaccine Candidate
University of Puerto Rico Rio Piedras Campus
SPINES

ASHLEY BURGOS SANCHEZ (L-41)
Assessment of the effect of acute methylmercury (MeHg) exposure on the expression of GABAA receptors in the brain of ALS mouse model
Universidad Ana G Mendez, Cupey PR
ENDURE

KIRSTEN SCHOONOVER (L-42)
Abnormal copper transporter CTR1 in postmortem schizophrenia hippocampus: a subregion and laminar analysis
University of Alabama at Birmingham
D-SPAN

YVONNE WEISSBARTH (L-43)
Localization of RNA, by RNA Binding Proteins is required for developmental myelination by Oligodendrocytes in vivo
University of Colorado, Colorado Springs
ENDURE

KEVIN WHITE (L-44)
Elucidating the Mechanism Behind AMPA Receptor Trafficking and Degradation through Nedd4-1
UC San Diego
NSP/ SPINES

HUNTER YAMADA (L-45)
Tc1b Necessary for Glial Bridging in Zebrafish Spinal Cord
Brown University
ENDURE

C: Neurodegenerative Disorders and Injury

APRILINA ARAIZA (L-46)
Investigating Cellular Memory in Female Alzheimer's Mice
New Mexico State University
ENDURE

SHERYL ARAMBULA (M-1)
Hypoxia-ischemia during a neonatal sensitive period reduces purkinje neuron dendritic complexity only in males
University of Maryland, School of Medicine
NSP

MITCHELL BARTLETT (M-2)
Neuroprotective effects of VEGF-B overexpression in PINK1 gene knockout rats
The University of Arizona College of Medicine
NSP

KRYSHAWNA BEARD (M-3)
Extracellular vesicles as diagnostic and prognostic biomarkers of traumatic brain injury.
University of Pennsylvania
NSP

MERCI BEST (M-4)
The Effect of Exogenous Tau Oligomers on the Axon Initial Segment
The University of Virginia
NSP/ SPINES

ISMARY BLANCO (M-5)
Pilot study on the effect of Venlafaxine on MMP-9 and neuronal arborization in zebrafish
Georgetown University
NSP/ SPINES

LORENA CASIANO (M-6)
Assessing HDACi Drug Phenylbutyrate's Clinical Translational Potential
New Mexico State University
ENDURE

STEPHANANN COSTELLO (M-7)
Probing the Intertwined Axes of Metabolism, Gut Microbiome and Neurodegeneration in Familial Dysautonomia
Montana Tech University
SPINES

ROSE CREED (M-8)
Increased glutamatergic transmission at the corticostriatal synapse of PINK1 KO rats
University of Alabama at Birmingham
D-SPAN

TIA DONALDSON (M-9)
Characterizing Pathology in the TgF344-AD Rat Model of Alzheimer's Disease
University of New Mexico
NSP

KRYSTAL ENGLISH (M-10)
Astrocytes improve function and survival of neurons damaged by cisplatin through mitochondrial transfer
UT MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences (GSBS)
NSP

OLUMIDE FAGBOYEGUN (M-11)
GABA Receptor mediated regulation of Amyloid Beta metabolism
University of Maryland, Baltimore County
ENDURE

JOSEPH FERNANDEZ (M-12)
Mechanisms of Secondary Injury and Auditory Deficits Following Mild Blast Induced Trauma
Purdue University
NSP

STEPHANIE M. GARCÍA (M-13)
Microbiota-Targeted Therapies Delay Age-Dependent Parkinson's Disease Progression
University of Colorado
Anschutz Medical Campus
NSP

MARINA PEREZ GIL (M-14)
Immunohistochemical analysis of alpha synuclein overexpression in the mouse myenteric plexus
University of Puerto Rico, Caye
ENDURE

PERCY GRIFFIN (M-15)
Circadian Regulation of Neuroinflammation and Neurodegeneration by Rev-erba
Washington University in St. Louis
NSP

ANGEL OJEDA HENAIZ (M-16)
Studying the Role of ω3 Polyunsaturated Fatty Acids (PUFA's) on Neurodevelopment and Neurodegeneration Diseases Using C. elegans as a Biological Model.
University of Puerto Rico, Caye
ENDURE

ELI JOHNSON (M-17)
Dynamin 2 knockdown in breast-to-brain leptomeningeal disease
Stanford University School of Medicine
NSP

MICHAEL KANAN (M-18)
Circadian clock disruption influences alpha synuclein spreading and dopaminergic neuron death in vivo
Saint Louis University
ENDURE

JENNIFER MARTIN (M-19)
Transcriptional regulation of EGR3 in the prefrontal cortex mediates oxycodone-induced pain relief
State University of New York at Buffalo
NSP/ D-SPAN

TAYLOR MCCORKLE (M-20)
Sex Differences in Cognitive Deficits Following Repetitive Mild TBI in Adolescent Rats
Drexel University College of Medicine
NSP

MIRANDA MUNOZ (M-21)
Anti-Parkinsonian medication improves impaired eye-hand coordination in participants with Parkinson's disease
Northwestern University
NSP

MARIA RIVERA (M-22)
Thalamic Nuclei Volumetric Changes in Wolfram Syndrome
University of Puerto Rico, Mayagüez
ENDURE

MIA ROBERTS (M-23)
Vascular contributions to Alzheimer's disease
Hunter College
ENDURE

STEPHANIE SANDOVAL-PISTORIUS (M-24)
Ubiquilin-2 Regulation of alpha-synuclein in Age-Related Neurodegenerative Disease
University of Michigan
NSP

MICHAEL SANGOBOWALE (M-25)
Cerebrovascular reactivity assessed with fNIRS and MRI as a biomarker of traumatic cerebrovascular injury
University of Pennsylvania
NSP

ANGEL SANTIAGO-LOPEZ (M-26)
Controlled Beclin1 gene delivery prevents the intracellular accumulation of misfolded proteins in vitro
Georgia Institute of Technology
NSP

JORDY SEPULVEDA (M-27)
Therapeutics to target amyloid beta and tau in fibroblasts from a familial Alzheimer's disease patient: Relevance to drug repurposing
Hunter College
ENDURE

NDIDI UZOR (M-28)
The characterization of neuronal pexophagy in vitro, and in an in vivo model of brain aging
MD Anderson UT Health Graduate School of Biomedical Sciences
NSP

CLARISSA VALDEZ (M-29)
Progranulin mutations result in impaired processing of prosaposin and reduced glucocerebrosidase activity
Northwestern University
D-SPAN

EDUARDO VILLEGAS (M-30)
Cognition, mood, and cortisol circadian profiles following mild traumatic brain injury in college students: Confirmation of subjective reports of impairment with objective cognitive measures
University of Colorado Boulder
NSP

AUDREY WEBER (M-31)
3-Dimensional modeling reveals abnormal dendritic spine morphology in the entorhinal cortex of Alzheimer's disease mice
University of Alabama at Birmingham
SPINES

SIERRA WILLIAMS-MCLEOD (M-32)
RNAi-mediated enrichment of the α2-Na/K ATPase causes a neurotoxic response in ApoE4-dependent astrocytes
Hampton University
ENDURE

EDRIC WINFORD (M-33)
Activation of Jak2/Stat1 pathway by IFN gamma induces CXCR3 signaling and inflammatory response by mouse cerebral endothelial cells and astrocytes
University of Kentucky
NSP

D: Sensory Systems

JOSE CANO (M-34)
Putative amygdala-brainstem synaptic mechanism important for sensory gating
The University of Texas at El Paso
D-SPAN

JULIA GORMAN (M-35)
Decoding primary olfaction circuits in drosophila melanogaster with Flywalk behavioral assay
Seattle University
ENDURE

KEVEN LABOY-JUÁREZ (M-36)
Elementary motion sequence detectors in whisker somatosensory cortex
University of California, Berkeley
D-SPAN

TONY LARKIN (M-37)
Altered network architecture of brain communities in chronic pain
University of Michigan
D-SPAN

SELINA BAEZA LOYA (M-38)
Impact of diverse voltage-gated sodium currents on firing patterns of vestibular afferent neurons
University of Chicago
NSP

CANDLER PAIGE (M-39)
Spinal calcitonin gene-related peptide promotes chronic pain plasticity and depolarizes dorsal horn chloride reversal potentials in female but not male mice
University of Texas at Dallas
D-SPAN

RASHEEN POWELL (M-40)
Peripheral knockdown of endocytic protein AP2A2 ameliorates acute and chronic inflammatory pain-like behaviors in mice
SUNY University at Buffalo
NSP

JOHN DEL ROSARIO (M-41)
Regulation of Piezo2 Currents by Gi-protein Coupled Receptors
Rutgers New Jersey Medical School
D-SPAN

JOSEPH DEL ROSARIO (M-42)
Probing the role of cortical inhibitory neurons during visual spatial perception
Georgia Tech/Emory
NSP

LUIS RUIZ (M-43)
Comparative Assessment of Conventional and Kilohertz Frequency Spinal Cord Stimulation for Pain Modulation in a Rodent Model
Washington University in St. Louis
ENDURE

UBADAH SABBAGH (M-44)
Diverse cytoarchitecture of rodent ventral lateral geniculate nucleus
Virginia Tech
NSP and D-SPAN

MAUREEN SAMPSON (N-1)
Serotonergic neuromodulation in the Drosophila visual system
UCLA
NSP

SCOTT SUSI (N-2)
Diversity of PV interneurons in barrel cortex
Brown University
NSP

E: Motor Systems

ESTEPHANIE BALBUENA (N-3)
Molecular characterization of the corticospinal tract
Hunter College
ENDURE

JUSTIN BRANTLEY (N-4)
A neural-machine interface for control of a lower-limb prosthesis
University of Houston
D-SPAN

SIMONE CAMPBELL (N-5)
Chemogenetic stimulation of direct pathway neurons in the striatum ameliorates dystonia in mice
Emory University
NSP

ALICIA CHIME (N-6)
Influence of striatal cholinergic interneurons on motor skill learning and performance
New York University
ENDURE

ALEJANDRO LOPEZ (N-7)
Disruption of direct and indirect descending pathways in post-stroke individuals: Effects of stimulation timing and activation state
Emory University
NSP/ SPINES

JOSHUA USORO (N-8)
Decoding of the rat forelimb during a knob supination task
The University of Texas at Dallas
NSP

F: Integrative Physiology and Behavior

MELINA ACOSTA (N-9)
The selective dopamine-hydroxylase inhibitor Nepicastat inhibits pup-directed behavior in virgin male California mice
University of California, Riverside
NSP

SENA AGEZO (N-10)
Pair bonding increases the predictability of the behavioral repertoire in prairie voles
Emory University
SPINES

AMANDA ANQUEIRA-GONZÁLEZ (N-11)
The molecular mechanisms of ethanol neuroadaptation
University of Puerto Rico
ENDURE

ALICIA AVELAR (N-12)
Effects of nicotine + morphine on reward-related behavior and nicotinic acetylcholine receptor regulation in mouse midbrain
Marshall University
NSP

SHANTÉE N. AYALA-ROSARIO (N-13)
Strategies of conflict-based decision-making
University of Puerto Rico
ENDURE

SHAWN BATES (N-14)
Corticotropin-releasing factor (CRF) administration into the locus coeruleus affects theta activity in medial prefrontal and orbitofrontal cortex differentially in female and male rats
Children's Hospital of Philadelphia/University of Pennsylvania
NSP

DIONNET BHATTI (N-15)
Molecular and cellular adaptations in parvalbumin interneurons mediate behavioral responses to social stress
Harvard University
NSP

REGINALD CANNADY (N-16)
Selective reduction of binge-like ethanol consumption through modulation of KV3 potassium channels in mice
Medical University of South Carolina
NSP

SNEHA CHATURVEDI (N-17)
Investigating the role of estrogen in mediating sex differences in circadian glucocorticoid release
Washington University in St. Louis
ENDURE

KRYSTAL SANTIAGO COLÓN (N-18)
Activation of VTA NtsR1 Neurons to Suppress Feeding and Promote Weight Loss
University of Puerto Rico, Caye
ENDURE

MARIANA CORTES (N-19)
Differential behavioral responses between adolescent and adult mice to a physical stressor
University of Alabama at Birmingham
NSP

NORELIS M DÍAZ-RODRÍGUEZ (N-20)
Pumilio in hemocytes regulate sleep behavior
University of Puerto Rico
ENDURE

NAHDIA JONES (N-21)
High Fat Diet Increases Metabolic Disturbances in APOE3 and APOE4 mice
Georgetown University
NSP/ SPINES

RAISA KARIM (N-22)
Valence encoding in the amygdala
Hunter College
ENDURE

KRISSY LYON (N-23)
A specialized serotonergic neuron subtype responsive to dopamine and central to behavior
Harvard Medical School
D-SPAN

BRIANNA MCCULLOM (N-24)
Brain State Affects Response to TMS on Alert Non-Human Primates
Tennessee State University
ENDURE

SEBASTIAN PACE (N-25)
Infralimbic cortex glutamate output is necessary for the neural and behavioral consequences of chronic stress
Colorado State University
NSP

ARIEL PARKER (N-26)
Sensory Temporal Dynamics of C. elegans Dauer Decision-Making
Johns Hopkins University
NSP

DANIELLE PORTER (N-27)
Steroidal regulation of KNDy peptides: an individual cellular analysis using RNAscope
University of Mississippi Medical Center
NSP/ SPINES

LILYANA QUIGLEY (N-28)
Investigating KIBRA-dependent regulation of memory-related circuit function and maturation using *in-vivo* recordings
University of Texas at Southwestern Medical Center
NSP

EMMANUEL RIVERA-RODRÍGUEZ (N-29)
MiR-190 acts in the pupal nervous system to affect the arousal system and sleep behavior in drosophila melanogaster
Brandeis University
NSP

DESTINEE SEMIDEY (N-30)
Influence of striatal cholinergic interneurons on motor skill learning and performance
Hunter College
ENDURE

HARIM DELGADO SEO (N-31)
Do the Neurotensin and FGF21 Signaling Systems Interact to Suppress Caloric Intake?
Universidad Ana G Mendez, Gurabo PR
ENDURE

GWENAELLE THOMAS (N-32)
Network Dynamics of Negative and Positive Valence Systems in Decision Making
Duke University
NSP

JESSICA THOMAS (N-33)
Similarities and distinctions in behavioral phenotypes of three CAMK2A mutant mouse lines.
Vanderbilt University
NSP

G: Motivation and Emotion

KIA BARCLAY (N-34)
Determining the neurochemical profile of endogenous opioids during withdrawal
Wellesley College
ENDURE

EMILY BLACK (N-35)
Cell type specific knockdown of hypocretin receptor 1 in select populations of ventral tegmental area neurons leads to contrasting effects on dopamine dynamics in the nucleus accumbens core.
Drexel University
NSP

MAYA BLUITT (N-36)
Investigating discrete aspects of effortful output in mice
University of Kansas
ENDURE

CHRISTIAN BRAVO-RIVERA (N-37)
Opposing contributions of GABAergic and glutamatergic ventral pallidal neurons to motivational behaviors
Cold Spring Harbor Laboratory
NSP

MEGAN CANNON (N-38)
Social dominance alters both coping style and stress resilience
University of Tennessee
NSP

YANAIRA ALONSO CARABALLO (N-39)
Effects of the estrous cycle and junk-food diet on nucleus accumbens core medium spiny neuron excitability
University of Michigan
D-SPAN

ANJELICA CARDENAS (N-40)
Functional role of a human 3'UTR polymorphism (rs2304297) in the alpha6 (α6) nicotinic acetylcholine receptor subunit gene in adolescent Sprague Dawley rats
University of California, Irvine
NSP

VIVIAN CHIOMA (N-41)
Cellular specificity of matrix metalloproteinase activation on accumbens medium spiny neurons during heroin relapse
Medical University of South Carolina
NSP

ASHLEY CUNNINGHAM (N-42)
Epigenetic mediated paternal transmission of stress phenotypes to offspring
Icahn School of Medicine at Mount Sinai
NSP

HEATHER DARK (N-43)
Cortical and subcortical brain volume vary with acute posttraumatic stress symptoms after a medical trauma
University of Alabama at Birmingham
NSP

ANGELINE DUKES (N-44)
Differential Incubation of Nicotine Craving Effects in Adult Mice Following Adolescent Exposure to Nicotine and a Cannabinoid Agonist
University of California, Irvine
NSP/ SPINES

RYAN FARERO (N-45)
L-DOPA affects fentanyl consumption in rodent self-administration tasks
University of Washington
NSP

NICOLE CAMACHO FONTÁNEZ (N-46)
Characterization of Morphine-Regulated Neuropeptides in the Ventral Tegmental Area
Universidad Ana G Mendez, Gurabo PR
ENDURE

STEPHANIE FOSTER (O-1)
The role of noradrenergic-derived galanin in opioid-related behaviors in mice
Emory University
NSP

YESENIA GARCIA (O-2)
Investigating aversion and somatic behaviors following cannabinoid withdrawal in mice
Vassar College
ENDURE

SARAH HUNTER (O-3)
Midbrain glutamatergic neurons drive locus coeruleus-mediated negative affect
Emory University
ENDURE

JEAN K. RIVERA IRIZARRY (O-4)
Elucidating the role of a midline thalamus projection to nucleus accumbens in reward and aversion.
Weill Cornell Medicine
NSP

NICHELLE JACKSON (O-5)
Characterization of repeated exposure to ketamine and its metabolite in zebrafish larvae
University of Michigan
NSP

RUFINA KAMALETDINOVA (O-6)
Amygdala cholinergic circuit dynamics in appetitive learning
Hunter College
ENDURE

ALBERTO LÓPEZ (O-7)
Activity-dependent epigenetic alterations underlying cocaine self-administration
Vanderbilt University
D-SPAN

CRISTINA MARIA RIOS (O-8)
Effect of lateral hypothalamus excitotoxic lesions in the acquisition of sign-tracking behavior
University of Michigan
NSP

FREDDYSON MARTINEZ-RIVERA (O-9)
E2F3a transcription factor regulates cocaine- and morphine-related behaviors in males and females in a cell-specific manner
Mount Sinai School of Medicine
NSP

DALIA MURRA (O-10)
The role of developmental and environmental factors in a mouse model of high emotional reactivity
University of Michigan
NSP

MARK NAMBA (O-11)
The novel dopamine D3 receptor antagonist SWR-5 reduces motivation for cocaine.
Arizona State University, School of Life Sciences
NSP

GABRIELA MANZANO NIEVES (O-12)
Early life adversity decreases fear expression and accelerates parvalbumin differentiation in pre-adolescence
Brown University
D-SPAN

ANNE PIERCE (O-13)
Dopamine dynamics underlying monogamous social bonds
The University of Colorado at Boulder
NSP

BRIANA PINALES (O-14)
High-spatial resolution atlas-based mapping of hypothalamic chemoarchitecture implicated in the control of food intake and the regulation of energy balance
University of Texas at El Paso
NSP

LEONARDO RAMOS-RODRÍGUEZ (O-15)
Role of Tip60 gene in alcohol tolerance in Drosophila melanogaster
University of Puerto Rico
ENDURE

LARRY RODRIGUEZ (O-16)
P2X4 receptor cross-talk in the VTA: Implications in alcohol addiction and drug development
USC School of Pharmacy
NSP

LIONEL RODRIGUEZ (O-17)
The role of basolateral amygdala projections to lateral septum in social recognition
Johns Hopkins School of Medicine
NSP

CIORANA ROMAN-ORTIZ (O-18)
The role of basal forebrain GABAergic neuron in fear expression and inhibition
Icahn School of Medicine at Mount Sinai
D-SPAN

RO SANDOVAL (O-19)
Dorsal hippocampal circuits meditating contextual reward learning
Saint Louis University
ENDURE

YANILKA Y. SOTO-MUÑIZ (O-20)
Altered drinking behaviors in an animal model of comorbid PTSD and AUD
University of Puerto Rico
ENDURE

PHILLIP STARSKI (O-21)
Cortical proteomic profiles associated with ethanol-induced impulsivity and reward seeking behaviors in mice
Mayo Clinic Graduate School of Biomedical Sciences
NSP

DARRYL WATKINS (O-22)
Cell-specific Spinophilin Function Following Psychostimulant-induced Behavioral Sensitization Regimens.
Indiana University School of Medicine
NSP

H: Cognition

SIKOYA ASHBURN (O-23)
Cerebellar functional activation and connectivity in children with both reading and math disabilities
Georgetown University
NSP/ D-SPAN

SHERRI BRIGGS (O-24)
Post-meal optogenetic inhibition of dorsal hippocampal neurons increases future intake in a time-dependent manner.
Georgia State University
NSP

PAULA BROOKS (O-25)
Investigating the impact of memory reactivation on the successful forgetting of negative memories
Princeton University
NSP

CHRISTIAN CAZARES (O-26)
Modulation of Decision-Making Task Representations in the Orbitofrontal Cortex from Alcohol Dependence
University of California, San Diego
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SHELBY DAVIS (O-27)
The Relationship Between Phonological Processing and Math and Reading Skills
Tennessee State University
ENDURE

ELENA DOMINGUEZ (O-28)
Posterior cingulate cortical thickness distinguishes SuperAgers from other cognitively normal individuals in the oldest-old
University of California, Irvine
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AZIZ ELBASHEIR (O-29)
In vivo investigation of the relationship between mGluR5 and expression of cognitive deficits in MDD and PTSD
Hunter College
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SERRA FAVILA (O-30)
Incidental spatial encoding in human visual memory
New York University
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LELAND FLEMING (O-31)
Visual network plasticity following central vision loss
The University of Alabama at Birmingham
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PAIGE GREENWOOD (O-32)
The relationship between socioeconomic status and reading abilities in children with dyslexia and typical readers
University of Cincinnati
NSP

CAESAR HERNANDEZ (O-33)
Optogenetic inactivation of prefrontal cortex during intertemporal choice reveals unique roles for this structure in young and aged rat decision making.
University of Florida
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STEPHANIE HERRLINGER (O-34)
Correlated physiology and transcription amid learning in the hippocampus
Columbia University
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EMILY HOKETT (O-35)
Sleep, age, and race linked to neural pattern similarity of associative memory
Georgia Institute of Technology
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ZACHARY JONES (O-36)
Neuronal network activity in 14-3-3 functional knockout mice, a putative animal model of schizophrenia
Florida State University
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JASMINE KWASA (O-37)
Neural measures of auditory selective attention suggest diminished top-down control in ADHD
Carnegie Mellon University
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CHRISTOPHER MEDINA-KIRCHNER (O-38)
Repeated-dose and residual effects of 3,4-methylenedioxymethamphetamine (MDMA) on physiological, cognitive, and subjective measures in humans
Columbia University
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ITZIK NAHMOUD (O-39)
Auditory safety training improves novel auditory discrimination learning and sensory discrimination curves
Hunter College
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TERMARA PARKER (O-40)
Mechanisms of gamma oscillations in relation to face processing in children with ASD
Yale University
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ANDREW PARRA (O-41)
Understanding the Function of CaMK2A in an odor working memory task
New Mexico State University
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MICHAEL ROSARIO AND KARIN SCHON (O-42)
Preliminary analyses on the relationship between racism-related chronic stress and mnemonic discrimination performance in older Black adults in the city of Boston
Boston University School of Medicine
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VANESSA SERRANO (O-43)
Biological signature differences between HIV-Associated Neurocognitive Disorders & aMCI
San Diego State University
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NATALIA VÉLEZ (O-44)
Neural mechanisms underlying the computation of socially inferred rewards
Stanford University
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I: Techniques

COREY CALHOUN (P-1)
Graphical User Interface: An Imaging Model for Increased Objectivity in Analyzing Stained Neural Tissue.
University of Massachusetts Boston
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AMNAH ELTAHIR (P-2)
Low Amplitude Burst Sensing of Neuromodulators
Fralin Biomedical Research Institute at VTC
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ALIYAH MUHAMMAD (P-3)
A comparison of automated and manual segmentation methods of hippocampal subregion volume in persons living with HIV
Tennessee State University
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STEPHANIE NOBLE (P-4)
Introducing bioimage suite web: A simple, modern, & powerful software suite
Yale University
D-SPAN

JOSE RIGUERO (P-5)
Imaging odor associated activity in deep brain regions using implanted gradient index lenses.
University of Colorado Denver
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ANDREA SILVA-GOTAY (P-6)
Optimizing techniques to visualize and quantify alcohol-induced changes to myelinated axons of the medial prefrontal cortex
University of Massachusetts, Amherst
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ASHLEY J. WILLIAMS (P-7)
Analysis and Design of μECoG Array Characteristics for Optimized Signal Acquisition
Duke University
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JOYCE WOO (P-8)
Optimizing preprocessing pipelines in infant functional MRI data to examine associations between prenatal stress and infant neurodevelopment
New York University
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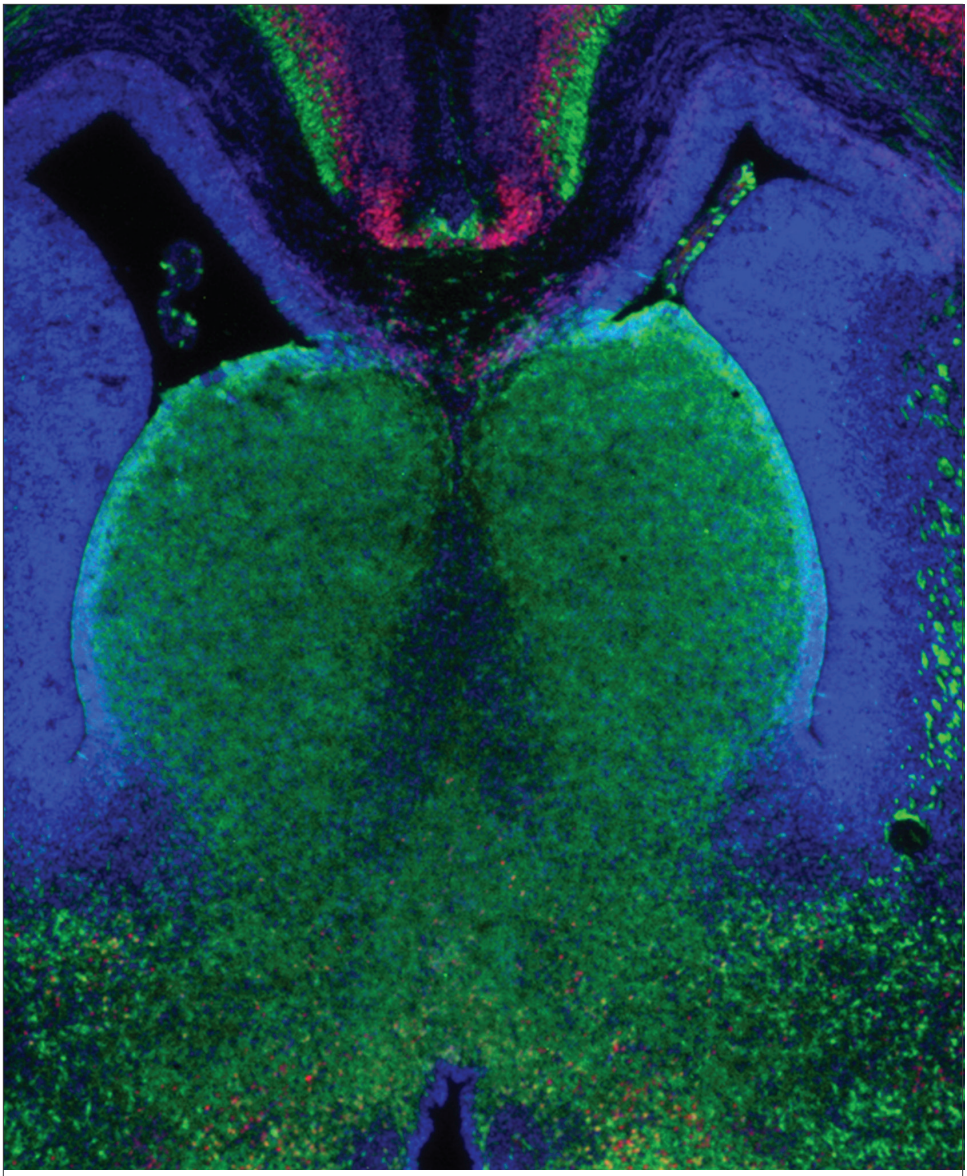
J: History, Education, and Society

MONICA GAUDIER-DIAZ (P-9)
Motivation and Anxiety are Targets of Intervention for Diversifying the Neuroscience Field
University of North Carolina, Chapel Hill
NSP



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