Diversity Fellows
Poster Session Program

Saturday, November 3, 6:30–8:30 p.m.
San Diego Convention Center Hall A
Welcome to the annual SfN Diversity Fellows Poster Session

Welcome to the annual SfN Diversity Fellows 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 for Neuroscience Research
- **Specialized Neuroscience Research Program (SNRP):** Supported by the National Institute of Neurological Disorders and Stroke (NINDS)

SfN gratefully acknowledges the financial support provided by NIH. 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
**A: Development**

**Sarangelica Alamo-Ortiz (D-1)**
Enteric Neural Regulation of Glucose Transport in Pigs Exposed to Early Life Adversity
*University of Puerto Rico-Humacao*
ENDURE — Michigan State University

**Camila Barrios-Camacho (D-2)**
Sculpting neural stem cell identity with the ubiquitin-proteasome system
*Tufts University*
NSP

**Ruben Garcia-Reyes (D-3)**
Identification and characterization of the DMBT1 gene in the sea cucumber Holothuria glaberrima
*Metropolitan University*
ENDURE — University of Puerto Rico

**Ami Haas (D-4)**
Examining Potential Enhancer Regions for Known Cell Fate Specification Genes in the Murine Retina
*University of Colorado, Denver*
ENDURE — Colorado

**Fabria Jno.Baptiste (D-5)**
Characterization of human muscle stem cell physiology on 3D printed biocompatible scaffolds
*University of Maryland, Baltimore County*
ENDURE — WashU

**Monica Lannom (D-6)**
FMRP and RISC-associated RNA helicase MOV10: A novel neuronal helicase required for normal dendrite formation and spine maturation
*University of Illinois Urbana Champaign*
NSP

**Ronnie Li (D-7)**
Identification and annotation of a duplicated gene in an individual with autism and seizure disorder
*Emory University*
NSP

**Jennifer Libby (D-8)**
Alterations in the sound localization pathway in Fragile X Syndrome
*University of Colorado, Denver*
ENDURE — Colorado

**Hiruy Meharena (D-9)**
Dysfunctional interplay between the transcriptome and epigenome in Down syndrome
*Massachusetts Institute of Technology*
NSP

**Nadine Michel (D-10)**
The Neurodevelopmental Consequences of Genomic Stress
*University of Virginia*
NSP

**Bruce Ramphal (D-11)**
Relations Between Socioeconomic Status, Brain Connectivity at Birth, and Externalizing Symptoms at Age 2
*Brown University*
ENDURE — WashU

**Ricardo Raudales (D-12)**
Development and transcriptional regulation of early- and late-born subpopulations of parvalbumin interneurons
*Stony Brook University*
NSP

**Nicole Rivera-Caquias (D-13)**
Depicting Behavior Analysts’ Parent Training Practices for Children With Autism
*Pontifical Catholic University, Puerto Rico*
ENDURE — Michigan State University
Patrese Robinson-Drummer (D-14)
Developmental regulation of threat, dopamine and VTA-amygdala connectivity
New York University Medical Center
NSP

Carlos Rodriguez (D-15)
Exploring fMRI-Based Functional Network Connectivity to Develop Novel Approaches for the Diagnosis of Fetal Alcohol Spectrum Disorder
University of Texas at El Paso
NSP

Jordy Sepulvedda (D-16)
Effective Depletion of Postnatal Microglia by Cre-mediated expression of Diphtheria Toxing Fragment A
Hunter College/NYU
ENDURE — Hunter College/NYU

Angel Sirfa-Lopez (D-17)
Characterization of radial nerve cord in vitro explants of sea cucumber Holothuria glaberrima
Polytechnic University of Puerto Rico
ENDURE — University of Puerto Rico

Cynthia Tapia (D-18)
Acute and early-life exposure effects of the pyrethroid insecticide deltamethrin on medium spiny neurons of the nucleus accumbens
University of Texas Medical Branch
NSP

Fabienne Tarvenier (D-19)
Bold Neural Response to Asynchronous and Synchronous Audiovisual Speech in Individuals with Autism Spectrum Disorder.
Hunter College/NYU
ENDURE — Hunter College/NYU

Brandon Titus (D-20)
Understanding the role of RNA Binding Proteins in Neuronal Cell Morphology
University of Colorado, Colorado Springs
ENDURE — Colorado

Daniel Tobiansky (D-21)
Perinatal sucrose exposure in rats disrupts hormones, brain, and behavior in adulthood.
The University of British Columbia
NSP

Samanda Valente-Soto (D-22)
Studying the role of Topoisomerase II Beta mutation in neurodevelopmental disease.
Carnegie Mellon University
ENDURE — WashU

B: Neural Excitability, Synapses, and Glia

David Battle (D-23)
Cell Surface Expression of Wildtype and Mutant KCC3
Tennessee State University
ENDURE — Tennessee State University

Austin Coley (D-24)
PSD-95 deficiency disrupts mPFC function and connectivity leading to sociability and cognitive deficits
Drexel University
NSP

Brionna Davis-Reyes (D-25)
Role of Medial Prefrontal Cortex NMDA Receptors in Inherent Impulsivity.
University of Texas Medical Branch, Galveston
NSP
Norelis Diaz-Rodriguez (D-26)
Chronic sleep deprivation in Drosophila melanogaster reduces Disc large concentration

University of Puerto Rico, Rio Piedras
ENDURE — University of Puerto Rico

Carlos Martinez-Navarro (D-33)
Recurrent excitation in the subiculum of the hippocampus

University of Puerto Rico, Rio Piedras
ENDURE — University of Puerto Rico

Kamyra Edokpolor (D-27)
Faster Emergence and Recovery from Sevoflurane Anesthesia in Mice lacking the alpha-4 Subunit of the GABA(A) Receptor

Emory University
NSP

Kylie McPherson (D-34)
Diverse cell types within the viPAG exhibit unique adaptations to membrane firing properties after inflammation

Oregon Health & Science University
NSP

Antoinette Foster (D-28)
Oligodendrocyte specific transcriptional profiling: from candidate genes to in-vivo functional assays

Oregon Health & Science University
NSP

Monique Mendes (D-35)
Imaging microglial birth and maturation in the adult brain

University of Rochester Medical Center
NSP

Marcelo Francia-Hinostroza (D-29)
Mechanisms of neuronal excitation and inhibition balance disruption in a mouse model for autism

University of Puerto Rico, Rio Piedras
ENDURE — University of Puerto Rico

Denye Mickens (D-36)
Intracellular Fibroblast Growth Factors and the Modulation of Cardiac Kv Channels

Washington University in St. Louis
ENDURE – WashU

Tavita Garrett (D-30)
Information processing by ON and OFF unipolar brush cell subtypes of the vestibular cerebellum

Oregon Health & Science University
NSP

Jennifer Patritti Cram (D-37)
Assessing the impact of P2RY14 on Neurofibromatosis Type 1

University of Cincinnati Cincinnati Children’s Hospital
NSP

Emily Kelly-Castro (D-31)
The role of MARK1 in synaptic plasticity and cognitive functions

Rutgers University
NSP

Larry Rodriguez (D-38)
Subunit-dependent cross-talk between P2X4 and NMDA receptors

University of Southern California
NSP

Aurelia Mapps (D-32)
Functional and Genetic Analyses of Satellite Glia

Johns Hopkins University
NSP
Lionel Rodriguez (D-39)
Brain-derived neurotrophic factor and tropomyosin receptor kinase B expression patterns in Ventral Tegmental Area cell-types
Johns Hopkins School of Medicine
NSP

Maureen Sampson (D-40)
A novel serotonergic microcircuit in the Drosophila visual system
University of California, Los Angeles
NSP

Kathryn Sanchez (D-41)
Microglial derived Matrix metalloproteinases (MMPs) in synuclein mediated neuroinflammation
Georgetown University
NSP

Krystal Santiago-Colón (D-42)
Effects of Methylmercury on Excitatory Amino Acid Transporters Expression in Cerebellar and Cortical Astrocytes and NSC-34 Cells
University of Puerto Rico-Cayey
ENDURE — Michigan State University

David Tyus (D-43)
Behavioral and Anatomical Effects of Complement Cascade Inhibitor CSMD1: Implications for Schizophrenia Risk
Washington University in St. Louis
ENDURE — WashU

Samani Upadhyay (D-44)
Excitatory Synaptic Refinement throughout Development of Fragile X Mice
Brown University
ENDURE — WashU

Tanya Victor (D-45)
The effect of cannabidiol on microglial function and receptor expression in an epilepsy mouse model
Stony Brook University
NSP

Darryl Watkins (D-46)
Cell-specific spinophilin function following psychostimulant-induced behavioral sensitization regimens
Indiana University School of Medicine
NSP

C: Neurodegenerative Disorders and Injury

Andrea Aldaz (D-47)
Role of Internal Calcium Pool During Methylmercury-Induced Cell Death in the C57BL6J Mouse
St. Mary’s University
ENDURE — Michigan State University

Sheryl Arambula (D-48)
Impact of neonatal hypoxia-ischemia on cerebellum development
University of Maryland, School of Medicine
NSP

Autumn Brunson (D-49)
The Role of the Unfolded Protein Response in Remyelination
Tennessee State University
ENDURE — Tennessee State University

Nicole Camacho-Fontanez (D-50)
Neuroprotective Effect of N-acetylcysteine on the Mouse Motor-Neuron Like Cell in Methylmercury Induced Toxicity
Universidad del Turabo
ENDURE — Michigan State University
Yisel Cantres (D-51)
A combination of free and exosomal cathepsin B released from HIV-infected macrophages trigger multiple mechanisms of neuronal dysfunction
University of Puerto Rico, Medical Sciences Campus
NSP

Marangelie Criado-Marrero (D-52)
High FKBP52 levels causes tau aggregation leading to hippocampal-dependent memory impairments
University of South Florida
NSP

Rodrigo Dela Torre (D-53)
Characterizing ALS pathology through C. elegans knock-in models
New York University
ENDURE — Hunter College/NYU

Francheska Delgado-Peraza (D-54)
A novel mechanism of neurotoxicity in Alzheimer's disease: astrocyte-derived extracellular vesicles
National Institute on Drug Abuse
NSP

Joseph Fernandez (D-55)
Mechanisms of Secondary Injury and Auditory Deficits Following Mild Blast Induced Trauma
Purdue University
NSP

Stephanie Garcia (D-56)
Short chain fatty acid drug sodium butyrate delays Parkinson's disease progression in transgenic mice comparable to sodium phenylbutyrate treatment outcomes
University of Colorado Anschutz Medical Campus
NSP

Kimberly Hayes (D-57)
Defining the effect of variants of unknown pathogenic significance in APP, PSEN1 and PSEN2 on Ab isoform levels to determine their role in Alzheimer Disease
Missouri Baptist University
ENDURE — WashU

Eli Johnson (D-58)
Characterization of Glioblastoma-Associated Microglia and Macrophages
Stanford University School of Medicine
NSP

Michael Kanan (D-59)
The Role of Circadian Disruption in the Pathogenesis of Parkinson's Disease
Saint Louis University
ENDURE — WashU

Karly Miller (D-60)
Effects of phospho-Tau Mutations on Neuron Survival After Oxidative Stress Treatment
New Mexico State University
ENDURE — Colorado

Sharon Owino (D-61)
Increased Infarct Volume and Altered Repair in Mice Lacking the Brain-Expressed Orphan G Protein-Coupled Receptor GPR37
Emory University
NSP

Stephanie Pistorius (D-62)
Ubiquilin-2 regulation of alpha-synuclein
University of Michigan
NSP
Yamilka Rios-Guadalupe (D-63)
Changes in the Serotonergic Fiber Density in the Somatosensory Cortex Across Reproductive States in Female Rats
University of Puerto Rico-Humacao
ENDURE — Michigan State University

Nicole Rivera-Lopez (D-64)
Role of Internal Calcium Pool During Acute Methylmercury-mediated Increase in Internal Calcium Concentration in the C57BL6J Mouse Spinal Cord Slices
Syracuse University, NY.
ENDURE — Michigan State University

Angel Santiago-Lopez (D-65)
In vitro characterization of the unfolded protein response as a mechanism of neurodegeneration
Georgia Institute of Technology
NSP

Malaney Young (D-66)
Developing novel FRET-based biosensors that monitor α-synuclein assembly for use in high-throughput screening
University of Minnesota
NSP

Joseph Del Rosario (D-69)
Impaired sensory perception and altered cortical population activity in a mouse model of autism
Georgia Tech and Emory University
NSP

Phil Duran (D-70)
Olfactory Receptor Mediated Repellency of Linalool, Geranyl acetate, and EBF in Two Drosophila Species
Northern New Mexico College
ENDURE — Michigan State University

Aziz Elbasheir (D-71)
The thalamic input into soma of Parvalbumin (PV) neurons in layer 4C Macaque.
Hunter College/NYU
ENDURE — Hunter College/NYU

Santiago Martinez Gonzalez (D-72)
Sex differences in visceral hypersensitivity in the Dextran Sodium Sulfate model of colitis in mice
National Institutes of Health, NCCIH
NSP

Bianca Mason (D-73)
Vascular contributions of CGRP-induced migraine-like behavior
University of Iowa
NSP

Sacha McElligott (D-74)
The role of saccadic eye movements in visual perception
New York University
ENDURE — Hunter College/NYU

Lauraine Mediavillo (D-75)
Partial Loss of CaMKII delays the ability of mice to learn to discriminate odors in a focused go-on-go olfactory discrimination task
New Mexico State University
ENDURE — Colorado
Kevin Nieves-Santos (D-76)
Localization of glutamate-like immunoreactivity in the nervous system of Biomphalaria glabrata: an intermediate host for schistosomiasis

University of the Sacred Heart
ENDURE — University of Puerto Rico

Taylor Reid (D-77)
Meta-analysis of Neuroimaging Literature to Understand Speech Processing

Washington University in St. Louis
ENDURE — WashU

Felicia Rodriguez (D-78)
Direct Structural Comparison of Type II and Type III Taste Cells from Mouse Taste Buds

New Mexico State University
ENDURE — Colorado

Ubadah Sabbagh (D-79)
Distribution and development of molecularly distinct perineuronal nets in visual thalamus

Virginia Tech
NSP

E: Motor Systems

Jorge Iravedra-García (D-80)
Direct and indirect pathways in the dorsomedial and ventral striatum distinctly regulate memory-guided motor outputs

University of Puerto Rico, Rio Piedras
ENDURE — University of Puerto Rico

Luis Ruiz (D-81)
Advancing Prosthetic Technology: Comparing the Sensory Capabilities of Macrosieve Electrodes & Extraneural Cuff Electrodes

Washington University in St. Louis
ENDURE — WashU

F: Integrative Physiology and Behavior

Melina Acosta (D-82)
The selective dopamine β-hydroxylase inhibitor Nepicastat inhibits pup-directed behavior in virgin male California mice

University of California, Riverside
NSP

Amanda Anqueira-Gonzalez (D-83)
Effect of synaptic gene BRP in alcohol related sleep behaviors

University of Puerto Rico, Rio Piedras
ENDURE — University of Puerto Rico

Alicia Avelar (D-84)
Green apple tobacco flavorant farnesol enhances nicotine reward-related behavior

Marshall University
NSP

Estefanía Balbuena (D-85)
Cortisol and amygdala activation during an fMRI facial expressions task.

Hunter College/NYU
ENDURE — Hunter College/NYU

Kia Barclay (D-86)
Characterizing Withdrawal in Mouse Models of Opioid Use

Wellesley College
ENDURE — WashU

Shawn Bates (D-87)
Exploring the effects of corticotropin-releasing factor in locus coeruleus on cortical network activity

Children’s Hospital of Philadelphia
NSP
Corey Calhoun (D-88)
On the role of trait-anxiety in contributing to adolescent neuroplasticity in amphetamine-induced locomotor sensitization
University of Massachusetts, Boston
NSP

Reginald Cannady (D-89)
Exploring the role of KV3 potassium channels and interneurons in alcohol addiction
Medical University of South Carolina
NSP

Sneha Chaturvedi (D-90)
Males differ from females in circadian glucocorticoid release, but not hypothalamic clock gene expression
Washington University in St. Louis
ENDURE — WashU

Mariana Cortes (D-91)
Anxiety-like behavior in adolescent mice is enhanced by selective knockdown of GAD67 in neuropeptide Y interneurons
University of Alabama at Birmingham
NSP

Camille Domenech-Barreto (D-92)
The Role of the Ventral Tegmental Area in Energy Balance
University of Puerto Rico-Aguadilla
ENDURE — Michigan State University

Monica Gaudier-Diaz (D-93)
effects of propranolol on cortisol, alpha-amylase, and circulating interleukin-6 following a social stress task
University of North Carolina, Chapel Hill
NSP

Belinda Mahama (D-94)
Adenosine and recovery sleep
Brown University
NSP

Joanna Medina (D-95)
Chronic variable stress and nursing demand interact to alter depression-like behavior and hippocampal neurogenesis in postpartum rats
University at Albany
NSP

Natasha Mendez-Albelo (D-96)
The Relationship Between the Motivational Drives of Food-Seeking and Social Interaction in Adolescent Female and Male Rats
Universidad Metropolitana-Puerto Rico
ENDURE — Michigan State University

Itzik Nahdmoud (D-97)
Decision Making under Stress & Uncertainty: Behavior and Physiology Correlates
Hunter College/NYU
ENDURE — Hunter College/NYU

Natalie Nevarez (D-98)
Sleeping it off: sleep disturbance after chronic, voluntary ethanol consumption
Stanford University
NSP

Adriana Padilla-Roger (D-99)
Uncovering a subset of hypothalamic neurons that regulate female energy expenditure
University of Puerto Rico, Rio Piedras
ENDURE — University of Puerto Rico
Danielle Porter (D-100)
Kisspeptin, neurokinin B, and dynorphin mRNA regulation by ovarian steroids in the arcuate nucleus of the ewe: simultaneous analysis of all three KNDy mRNAs in individual neurons

University of Mississippi Medical Center

Raul Ramos (D-101)
The Role of Homeostatic Plasticity in Associative Learning & Memory

Brandeis University

Leonardo Ramos-Rodriguez (D-102)
Role of Tip/60Dmel gene as a significant player in alcohol tolerance

University of Puerto Rico, Rio Piedras
ENDURE — University of Puerto Rico

Jean K. Rivera Irizarry (D-103)
Estrus stage modulates stress reactivity and alcohol drinking in female mice

Weill Cornell Medical College

Emmanuel J. Rivera-Rodriguez (D-104)
Unraveling miR-190 and its role in sleep

Brandeis University

Lilliana Sanchez (D-105)
The effect of moderate prenatal alcohol exposure on object discrimination by adult rats

The University of New Mexico

Alec Seidenberg (D-106)
The effects of early life stress on development of circuitry underlying reward processing and depression

Hunter College/NYU
ENDURE — Hunter College/NYU

Eduardo Villegas (D-107)
Travel in collegiate varsity student-athletes: Relationship to mood across seasons and the factors that influence this relationship

University of Colorado Boulder

Shakeera Walker (D-108)
Effects of Sex and Paternal Deprivation on Behavior, Neuroinflammation and Stress Reactivity in Adult California Mice

University of Maryland

Cory White (D-109)
Brain-specific loss of long-chain fatty acid oxidation

Johns Hopkins School of Medicine

G: Motivation and Emotion

Kenneth Amaya (D-110)
Effect of inactivating nigrostriatal projections on sensitivity to outcome devaluation during sign-tracking behavior

Dartmouth College

Emily Black (D-111)
Susceptibility and resilience to predator odor stress differs between male and female rats

Drexel University College of Medicine

Christian Bravo-Rivera (D-112)
Genetically-distinct ventral pallidal neurons drive the motivation for reward approach and punishment avoidance through projections to the lateral habenula

Cold Spring Harbor Laboratory
Vivian Chioma (D-113)
Cellular Specificity of Matrix Metalloproteinase Activation on Accumbens Medium Spiny Neurons During Heroin Relapse
Medical University of South Carolina
NSP

Abraham Escobedo (D-114)
Effects on fear versus safety discrimination by the partial NMDAR agonist D-Cycloserine
Purdue University
NSP

Ryan Farero (D-115)
Phasic dopamine release within the nucleus accumbens core differentially mediates drug-taking and drug-seeking
University of Washington
NSP

Stephanie Foster (D-116)
Effect of noradrenergic-derived galanin on opioid addiction-related behaviors in mice
Emory University
NSP

Daniela Franco (D-117)
The effects of early-life ketamine administration on the rewarding effects of alcohol in male and female adolescent Sprague Dawley rats
California State University, Long Beach
NSP

Katherine Furman (D-118)
in-vivo optical recording of BLA inhibitory interneuron activity during stress-related behaviors.
New York University
ENDURE — Hunter College/NYU

Nicole Hernandez (D-119)
Chemogenetic activation of hindbrain projections to the lateral dorsal tegmental nucleus attenuates cocaine-seeking behavior
University of Pennsylvania
NSP

Sarah Hunter (D-120)
Activation of excitatory ventral tegmental area projections to the locus coeruleus in negative affective behaviors
Emory University
ENDURE — WashU

Barbara Juarez (D-121)
Genetic dissection of the role potassium channels of midbrain dopamine neurons play in physiology and behavior
University of Washington
NSP

Rufina Kamaletdinova (D-122)
Negative affect of cocaine-induced conditioned place preference in mice in forced abstinence from chronic alcohol exposure.
Hunter College/NYU
ENDURE — Hunter College/NYU

Elyse Lang (D-123)
The behavioral state of infants interacting with a robot in a contingent learning paradigm
Tennessee State University
ENDURE — Tennessee State University

Sofia Lopez (D-124)
Elucidating the interaction between glucocorticoids and dopamine in an animal model of individual variation in cue-motivated behaviors
University of Michigan
NSP
Cristina Maria Rios (D-125)
Are cues pursued for their own sake, or because they lead to rewards?
University of Michigan, Ann Arbor
NSP

Jennifer Martin (D-126)
The actin-binding protein drebrin mediates opiate-induced behavioral and structural plasticity in the NAc
SUNY at Buffalo
NSP

Ariel Nieves (D-127)
N-Methyl-D-Aspartate receptor dependent consequences of high fat diet on depressive-like behavior.
Hunter College/NYU
ENDURE — University of Puerto Rico

David Ojeda-Martinez (D-128)
Price variance and signaling in consumer goods
University of Puerto Rico, Rio Piedras
ENDURE — University of Puerto Rico

Rafael Perez (D-129)
Alpha2a-adrenergic hetero-receptors are necessary for stress and agonist regulation of BNST activity and stress-induced reinstatement of cocaine-associated behaviors
Vanderbilt University
NSP

Maia Pujara (D-130)
Social valuation requires interaction of prelimbic cortex and amygdala in rhesus macaques
National Institutes of Health
NSP

Jennifer Quinde (D-131)
Comparison of automated and manual systems for coding pain-related facial expressions
Vanderbilt University
NSP

Marcos Sanchez-Navarro (D-132)
Basolateral amygdala projections to the nucleus accumbens modulate food seeking motivation under conditions of food deprivation
Metropolitan University
ENDURE — Hunter College/NYU

Destinee Semidey (D-133)
Glycome of the emotional processing centers within brain differ between animal model phenotypes
Hunter College/NYU
ENDURE — Hunter College/NYU

Ciearra Smith (D-134)
Do α3-containing nicotinic acetylcholine receptors (nAChRs) modulate anxiety behavior?
University of Massachusetts Medical School
NSP

Jayme Temple (D-135)
Delineating the hippocampal circuitry underlying pair bonding in prairie voles
University of Colorado, Boulder
NSP

H: Cognition

Sikoya Ashburn (D-136)
An fMRI study of the cerebellum during reading in children and adults
Georgetown University
NSP
Shantee Ayala-Rosario (D-137)
Managing threat-reward conflict: strategies of conflict-based decision making
*Interamerican University at Bayamon*
ENDURE — University of Puerto Rico

Christian Cazares (D-138)
Orbital cortex activity encoding of associative information underlying goal-directed actions.
*University of California, San Diego*
NSP

Leland Fleming (D-139)
Visual network modularity in patients with central vision loss
*University of Alabama at Birmingham*
NSP

Sol Fonseca-Montes (D-140)
Children’s understanding of moral reasons
*University of Puerto Rico, Rio Piedras*
ENDURE — University of Puerto Rico

Caesar Hernandez (D-141)
Aged rats do not use basolateral amygdala during outcome evaluation in an intertemporal choice task
*University of Florida*
NSP

Emily Hokett (D-142)
The Relationship Among Habitual Sleep Quality, Associate Memory, and Neural Oscillations in Young and Older Adults
*Georgia Institute of Technology*
NSP

Nadine Joseph (D-143)
Role of kinesins within the medial prefrontal cortex in the expression of fear memory
*Scripps Research*
NSP

Lauraine Mediavillo (D-144)
Partial loss of CaMKII delays the ability of mice to learn to discriminate odors in a focused go-no-go olfactory discrimination task
*New Mexico State University*
ENDURE — Colorado

Christopher Medina-Kirchner (D-145)
Residual effects of repeated-MDMA administration on cognitive performance, sleep, and mood in humans
*Columbia University*
NSP

Paige Miranda (D-146)
Nuclear Translocation of SMAD Proteins as a Signature of TGFβ signaling is Critical for Long Term Memory
*New York University*
NSP

Termara Parker (D-147)
Neural correlates of holistic and configural face processing in individuals with autism spectrum disorder
*Yale University*
NSP

Efrain Rodriguez-Sierra (D-148)
Evaluating components of bicultural identity in Puerto Ricans and other Latin Americans living in the United States
*University of Puerto Rico, Rio Piedras*
ENDURE — University of Puerto Rico

Vanessa Serrano (D-149)
Moderators of age and allocentric processing
*San Diego State University*
ENDURE — WashU
Nadira Yusif Rodriguez (D-150)
Prefrontal cortex dynamics during sequential tasks using awake behaving nonhuman primate fMRI
Brown University
NSP

Gabriel Martinez Sanchez (D-156)
Optimizing Electrowetting Lens Driver Using Rapid Modulation For MultiPlane Scanning Microscopy
University of Colorado, Denver
ENDURE — Colorado

I: Techniques

Abraham Beyene (D-151)
Imaging Striatal Dopamine Release Using a Non-Genetically Encoded Near-Infrared Fluorescent Catecholamine Nanosensor
University of California, Berkeley
NSP

Jean Carlos Rodriguez Diaz (D-157)
Kainate induced neuronal oscillations in the hippocampus
University of Michigan
NSP

Luz Milbeth Cumba Garcia (D-152)
miRNA signature derived from GBM plasma exosomes as a diagnostic biomarker
Mayo Clinic Graduate School of Biomedical Sciences
NSP

Scott Susi (D-158)
Classification of putative inhibitory interneurons using waveform shape in non-human primate MEA recordings
Brown University
NSP

Shawn Dsouza (D-153)
DTI Analysis Indicates Focal Impact of Glioma on White Matter Pathways
University of Colorado, Boulder
ENDURE — Colorado

Shalonda Ingram (D-154)
An optogenetic approach to test the functional consequences of dopamine transporter multimer formation
Meharry Medical College
NSP

Noelle James (D-155)
Viral-mediated transgenesis in the brain as a method to determine molecular mechanisms of aggression in stickleback fish
University of Illinois at Urbana-Champaign
NSP