



**NEUROSCIENCE
2024**

EARLY CAREER POSTER SESSION **Diversity Program Posters**

Society for Neuroscience
Saturday, October 5
6:30–8:30 p.m. CDT
McCormick Place Convention Center: Hall A

The Early Career Poster Session features participants of the Neuroscience Scholars Program (NSP), ENDURE, D-SPAN, and Summer Program in Neuroscience, Excellence, and Success (SPINES).

The Neuroscience Scholars Program (NSP) is a two-year online training program to support graduate students and postdoctoral researchers from diverse backgrounds, such as individuals from underrepresented populations, those living with disabilities, or those from disadvantaged backgrounds.



SOCIETY *for*
NEUROSCIENCE

Theme A: Development

Alexandria Anding
University of Nebraska
Medical Center

Neuroscience Scholars Program (NSP)

Graduate Student

The role of astrocytes in deficient sleep
in Fragile X syndrome mouse model

A1

Theme A: Development

Angarika Balakrishnan
Northeastern University

Trainee Professional

Development Award (TPDA)

Graduate Student

Modulating CRHR1 activity: a
strategy to mitigate early-onset
puberty and anxiety in rodent
models of early life adversity

A2

Theme A: Development

Ana Berglind
UNC- Chapel Hill

D-SPAN; Neuroscience

Scholars Program (NSP)

Graduate Student

Germline mutation in ANKRD11
identified in a cohort of individuals
with refractory epilepsy and
focal cortical dysplasia

A4

Theme A: Development

Sebastián Castro-Rodríguez
University of Puerto Rico,

Rio Piedras Campus

ENDURE

Undergraduate Student

Single-nuclei RNA-seq of
Holothurian Radial Nerve Cord

A6

Theme A: Development

Angélica Cruz-Calderón
University of Puerto Rico,
Rio Piedras Campus

ENDURE

Undergraduate Student

Role of SYNGAP1 in the
Development of Neural Tube
Defects in Anencephaly

A11

Theme A: Development

Lauren English

University of Wisconsin - Madison

Neuroscience Scholars Program

*(NSP); Trainee Professional
Development Award (TPDA)*

Graduate Student

The F-BAR proteins CIP4 and FBP17
regulate neurite dynamics during
cortical neuronal migration

A13

Theme A: Development

Narvale Fincher
Howard University

ENDURE

Undergraduate Student

Using EEG to Study the
Ability to Focus Attention

A15

Theme A: Development

Jade Gardea
UC San Diego

ENDURE

Undergraduate Student

The Role of NFIA in Spinal Motor
Neuron Subtype Identity

A16

Theme A: Development

Maria Hayes

Oregon Health & Science University
Neuroscience Scholars Program (NSP)
Graduate Student

Discrimination and Development: The Influence of Maternal Adversity on Child Neurobehavioral Development

A20

Theme A: Development

Austin Hutton

UC San Diego
ENDURE

Undergraduate Student

Cannabidiol treatment induces broadband spectral electrophysiological changes in boys with low-functioning autism spectrum disorder

A23

Theme A: Development

Norma Hylton

Harvard Medical School
Neuroscience Scholars Program (NSP)
Graduate Student

Pannexin-1 activity regulates fetal cortical development

A24

Theme A: Development

Héctor A. López-Rivera

University of the Sacred Heart Puerto Rico
ENDURE

Undergraduate Student

The effects of endocannabinoid system activation through exercise on sociability in adolescent rats.

A35

Theme A: Development

Nahila Nzina

City College of New York and University of Rochester
NEUROCIITY

Undergraduate Student

Prenatal Exposure to Maternal Cortisol and Children's Executive Functioning at 2 Years

A41

Theme A: Development

Ashley Pocasangre

University of Maryland
ENDURE

Undergraduate Student

Healthy Brain and Child Development (HBCD): Assessing Exposure to Adverse Environments on Child Neurodevelopment via EEG

A44

Theme A: Development

Daniel Quintero

Duke University
Neuroscience Scholars Program (NSP)
Graduate Student

Prenatal Exposure to Environmental Stressors Alters Microglial Transcriptional Profile and Brain Networks in Adolescence

A45

Theme A: Development

Roberto Rodriguez Cartagena
The Rockefeller University

Neuroscience Scholars Program (NSP); Summer Program in Neuroscience, Excellence and Success (SPINES)

Graduate Student

Elucidating the Role of Four and a Half LIM Domains Protein 1 in CNS Neuronal Development

A47

Theme A: Development

Soraya Sandoval
University of Wisconsin-Madison

Neuroscience Scholars Program (NSP)

Graduate Student

Rigor and reproducibility of cellular and electrophysiological analysis in human brain organoid research

A48

Theme A: Development

Sarai Santos
University of California, Irvine

Neuroscience Scholars Program (NSP)

Graduate Student

Visualization of ocular motor neuron subpopulations during development

A49

Theme A: Development

Luna C. Segarra-Alonzo
University of Puerto Rico,

Rio Piedras Campus

ENDURE

Undergraduate Student

Investigating the Role of Dosage Compensation in Sex-specific Brain Aging in *Drosophila*

A50

Theme A: Development

Xaymarie Serrano Velazquez
Universidad de Puerto Rico-Cayey

ENDURE

Undergraduate Student

ASSESSMENT OF BRAF TARGETS TO RESCUE GABAERGIC CORTICAL INTERNEURON DEVELOPMENT

A51

Theme A: Development

Preston Siegler
UNC-CH, NIEHS

Neuroscience Scholars Program (NSP)

Graduate Student

The Effect of Prenatal Corticosterone Exposure on Hippocampal Area CA2 Development and Social Behavior

A52

Theme A: Development

Maria Carmen Varela
University of Michigan, Ann Arbor

Neuroscience Scholars Program (NSP)

Graduate Student

Generation and characterization of a novel human pluripotent stem cell derived medial ganglionic eminence brain organoid model.

A57

Theme A: Development

Alexis Xanders
Queens College, CUNY
University of Rochester

NEUROCITY

Undergraduate Student

Analyzing Neural Progenitor Cell Migration and Calcium Dynamics in Response to an In Vitro Scratch Assay.

A60

Theme A: Development

Madison Zaldivar
University of Rochester
NEUROCIY

Undergraduate Student
The Relationship between
Child Maltreatment and
Adaptive Functioning. The
role of Conscientiousness
A63

Theme A: Development

NeAva Zayas
Temple University
ENDURE

Undergraduate Student
Early Life Stress and its Effects
on Drug-Seeking Behavior
A65

Theme A: Development

Jessie Chapman
Hunter College
ENDURE

Undergraduate Student
Maternal Depression and Newborn
NAc-VTA connectivity
A67

Theme A: Development

Emily Drucker
Hunter College
ENDURE

Undergraduate Student
The Relation of Early Adversity to
Language Processing, Emotion
Reactivity, and Working Memory
A68

Theme B: Neural Excitability, Synapses, and Glia

Bryson Aldridge
LSU Health Sciences New Orleans
ENDURE

Undergraduate Student
Studying the dysfunction of intellectual-
disability linked mutations in the
PP2A B subunit, and how they
affect synaptic transmission
A70

Theme B: Neural Excitability, Synapses, and Glia

Arturo Avalos
UC San Diego
ENDURE

Undergraduate Student
Investigating astrocyte's regulatory
role in synaptic plasticity
A73

Theme B: Neural Excitability, Synapses, and Glia

tiffany bartel
Cleveland Clinic/Cleveland
State University
Neuroscience Scholars Program (NSP)
Graduate Student

Hypomyelination and decreased
number of oligodendrocytes in a loss-
of-function Slc35a2 mouse model
A75

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

ANKAN BISWAS

Indian Institute of Science

Trainee Professional

Development Award (TPDA)

Graduate Student

Enhanced stimulus-induced
and stimulus-free gamma in
open-eye meditators

A77

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

William Bruce

LSU Health Sciences New Orleans

ENDURE

Undergraduate Student

Neuroadaptations in Excitatory
Glutamatergic Signaling
Following Traumatic Brain Injury
in Male and Female Rats

B2

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

Christian Canino Pacheco

Universidad de Puerto Rico-Cayey

ENDURE

Undergraduate Student

Role of Ventral Tegmental Area
Neuromedin-S Neurons on Nucleus
Accumbens Cellular Activity

B3

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

Noele Certain

Yale University

D-SPAN; Neuroscience

Scholars Program (NSP)

Postdoctoral Fellow

Investigating cholinergic function
in a neurodevelopmental
mouse model of TRIO

B4

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

Garrett Chavis

University of Michigan Medical School

Neuroscience Scholars Program (NSP)

Graduate Student

Dual roles of the SNX17-Retriever
and SNX27-Retromer endomembrane
recycling pathways in regulating
synaptic function and plasticity
in hippocampal neurons

B5

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

Minerva Contreras

University of California San

Diego Salk Institute

D-SPAN; Neuroscience Scholars

Program (NSP); Summer Program

*in Neuroscience, Excellence
and Success (SPINES)*

Graduate Student

Astrocyte experience-dependent
transcriptomic response and
contribution to synaptic plasticity
in the adult mouse visual cortex

B9

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

Ashley Copenhaver

University of Maryland,
Baltimore County (UMBC)

*Neuroscience Scholars Program
(NSP); Trainee Professional
Development Award (TPDA)*

Graduate Student

Sex-specific mechanisms
underlying long-term potentiation at
hippocampus-nucleus accumbens
medial shell synapses

B10

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

Alberto Corona

Icahn School of Medicine
at Mount Sinai

Neuroscience Scholars Program (NSP)

Postdoctoral Fellow

Stress-sensing microglia and
habenular function

B11

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

Makenna Fluegel

Washington University in St. Louis

ENDURE

Undergraduate Student

Characterizing expression patterns
of endocannabinoid receptor type
1 (CB1R) among different mouse
sensory neuron subpopulations

B18

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

Camila Garcia Padilla

University of Pittsburgh

Trainee Professional

Development Award (TPDA)

Graduate Student

Conditional Knock-Out of Fus
Protein in Oligodendrocytes of
Aged Mice Decreases Evoked Firing
Rate Activity in the Visual Cortex

B20

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

Drake Gorecki

Hamilton College

ENDURE

Undergraduate Student

Development of a closed-loop system
for sleep/wake detection in mice

B21

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

Nyia Jones

Brooklyn College

ENDURE

Undergraduate Student

Decoding Retrieved Task
Stimuli from EEG Data

B24

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

Milana Krush

Oregon Health & Science University

*ENDURE; Trainee Professional
Development Award (TPDA)*

Graduate Student

Tonic Inhibition Mediated by
GABAAR- α 4 Receptors in Sparse
Coding in the Dentate Gyrus

B26

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

Emmanuel Makinde

NYU

ENDURE

Undergraduate Student

Protein Synthesis in Memory
Consolidation

B32

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

Karen Malacon

Stanford University

Neuroscience Scholars Program (NSP)

Graduate Student

Early life respiratory immune
challenges and altered brain function

B33

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

Itzel Palacio-Jara

University of the Sacred

Heart Puerto Rico

ENDURE

Undergraduate Student

Structure Determination of a10
nAChR-AChBP Chimera by Protein
Crystallization and X-ray Diffraction

B45

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

Anjali Raheja

St. Mary's College of Maryland

*Faculty for Undergraduate
Neuroscience (FUN)*

Undergraduate Student

Male NS-Pten Adult Knockout
Mice Display Increased Density of
Iba1-Positive Microglia of an
Immature Morphology Throughout
the Hippocampal Dentate Gyrus

B49

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

Isabel Rivera Correa

Universidad de Puerto Rico-Cayey

ENDURE

Undergraduate Student

Evaluating the efficacy of an
enhancer trap Cre-ERT2 model to
target semilunar granule cells

B50

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

Luz B. Rivera-Agosto

University of Puerto Rico,

Rio Piedras Campus

ENDURE

Undergraduate Student

The Role of Neural Receptors
in Inflammatory Breast Cancer
and Brain Metastasis

B51

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

Mohammed Serri
Brooklyn College

ENDURE

Undergraduate Student
Investigating the Impact of PDGFR α
cKO on OPC Populations in
Distinct Thalamic Sub-Regions

B55

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

Emma Stauffenberg
University of Nevada Reno

ENDURE

Undergraduate Student
Deciphering the spinal cord astrocyte
translatome in acute and chronic pain

B59

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

Thomas Ujas
University of Kentucky
Neuroscience Scholars Program (NSP)

Graduate Student
Long-term B cell depletion decreases
spontaneous neuronal firing in the
dentate gyrus of aged mice

B62

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

Bryanna Vilnaigre
NYU

ENDURE

Undergraduate Student
Characterizing the role the
insular cortex plays in peripheral
immune responses

B64

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

Emma Woolsey
University of Nevada Reno

ENDURE

Undergraduate Student
Implications of Task-2 on
resting membrane potential

B69

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

Nelufar Yasmen
University of Tennessee
Health Science Center

*Trainee Professional
Development Award (TPDA)*

Graduate Student
Siglec-E is required for the
generation of seizures

B71

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

Jose Zepeda
Vanderbilt University
Neuroscience Scholars Program (NSP)

Graduate Student
TRPping on drugs: a hot new candidate
for synapse-specific intracellular
drug delivery in the brain

B73

Theme C: Neurodegenerative Disorders and Injury

Juliet Akkaoui

Herbert Wertheim College
of Medicine, Florida
International University

*Trainee Professional
Development Award (TPDA)*

Graduate Student

IQCK, a novel Alzheimer's
disease risk gene, significantly
reduces postsynaptic density
protein 95 in the mouse brain

B76

Theme C: Neurodegenerative Disorders and Injury

Fisayo Aloba

Emory University

Neuroscience Scholars Program (NSP)

Graduate Student

Neural and Behavioral
Mechanisms of Visuo-Spatial Prism
Adaptation in Older Adults

B77

Theme C: Neurodegenerative Disorders and Injury

Sonya Ashikyan

University of California,
Los Angeles (UCLA)

Neuroscience Scholars Program (NSP)

Graduate Student

The neural consequences of
mild traumatic brain injury
and cognitive impairment

B79

Theme C: Neurodegenerative Disorders and Injury

Carmin Centeno-Román

Ponce Health Sciences University

Neuroscience Scholars Program (NSP)

Graduate Student

Neuroimaging evidence of
neurological complications
in adult COVID-19 patients:
a systematic review

B90

Theme C: Neurodegenerative Disorders and Injury

Samantha Chaney

University of South Alabama

D-SPAN

Graduate Student

Bacterial pneumonia causes
neurovascular unit dysfunction and
Alzheimer's-like tau phosphorylation.

B91

Theme C: Neurodegenerative Disorders and Injury

Tonya Chaney

LSU Health Sciences New Orleans

ENDURE

Undergraduate Student

Astrocytes phenotypes are regulated
by Maresin-1 under stress conditions

B92

Theme C: Neurodegenerative Disorders and Injury

Derek J. Colls-García

University of Puerto Rico,
Rio Piedras Campus

ENDURE

Undergraduate Student

A human iPSC derived Blood-Brain-Barrier model to assess sTLF-1's effect on endothelial cell permeability

B100

Theme C: Neurodegenerative Disorders and Injury

Rodnie Colón Ortiz

Johns Hopkins University
School of Medicine

Neuroscience Scholars Program (NSP); Summer Program in Neuroscience, Excellence and Success (SPINES)

Graduate Student

Cocaine regulates antiretroviral therapy CNS access through pregnane-x receptor-mediated drug transporter and metabolizing enzyme modulation at the blood brain barrier

B101

Theme C: Neurodegenerative Disorders and Injury

Gian Correa Vazquez

Pontificia Universidad
Catolica de Puerto Rico

ENDURE

Undergraduate Student

Locus coeruleus involvement in vascular contributions to dementia

B102

Theme C: Neurodegenerative Disorders and Injury

Shawn Covarrubias

Washington University in St. Louis

ENDURE

Undergraduate Student

The Neuronal Role of WAC:

Insights into the DeSanto-Shinawi Syndrome Gene

B103

Theme C: Neurodegenerative Disorders and Injury

Adaora Dadson

Washington University in St. Louis

ENDURE

Undergraduate Student

Investigating the Effects of Neurokinin-1 Receptor Pathways on Cognition in a Mouse Model of Alzheimer's Disease

B105

Theme C: Neurodegenerative Disorders and Injury

Tami Dandreamatteo

Washington University in St. Louis

ENDURE

Undergraduate Student

Investigating the Mechanisms

Underlying Impaired CSF

Perfusion in Rett Syndrome

B106

Theme C: Neurodegenerative Disorders and Injury

Omaris Y. De Pablo-Crespo
University of Puerto Rico,
Rio Piedras Campus
ENDURE

Undergraduate Student
Choroid plexus immune cell infiltration following neuroinflammation during development
B109

Theme C: Neurodegenerative Disorders and Injury

Bluye DeMessie
Albert Einstein College of Medicine
Neuroscience Scholars Program (NSP); Trainee Professional Development Award (TPDA)

Graduate Student
In Vivo Detection of Pathology at the Depths of Cortical Sulci in Sports Repetitive Head Impacts
B110

Theme C: Neurodegenerative Disorders and Injury

Andrea Diaz-Pacheco
Amherst College
ENDURE

Undergraduate Student
Dissecting Ms4a4a function in microglia and its role in Alzheimer's disease pathogenesis
B111

Theme C: Neurodegenerative Disorders and Injury

Kara Duclosel
Brooklyn College
ENDURE

Undergraduate Student
Impact of Melatonin on the Inhibitory Balance in the Hippocampus of a Mouse Model with ASD
B115

Theme C: Neurodegenerative Disorders and Injury

Halla Elmore
Washington University in St. Louis
ENDURE

Undergraduate Student
Chronic Intermittent Sleep Deprivation Drives Supercompensation of Homeostatic Set-points of Neural Activity
B117

Theme C: Neurodegenerative Disorders and Injury

Andrea García Garcia
Universidad Ana G. Mendez- Gurabo
ENDURE

Undergraduate Student
Evolutionary proteomics approach to identify proteins associated with aggregated tau proteins: from *C. elegans* to Humans
B122

Theme C: Neurodegenerative Disorders and Injury

Indra Gendenpeljee
Daegu Gyeongbuk Institute of
Science and Technology

*Trainee Professional
Development Award (TPDA)*

Graduate Student

The progenitor cells local
activation in the penumbral
area after neonatal stroke

B124

Theme C: Neurodegenerative Disorders and Injury

Julieth Gomez
University of Florida

*Trainee Professional
Development Award (TPDA)*

Graduate Student

Advancements in Closed-Loop
Deep Brain Stimulation for Tourette
Syndrome: A Multi-Nuclei Approach

B126

Theme C: Neurodegenerative Disorders and Injury

Brittany Gratrek
University of Arizona College
of Medicine - Tucson

Neuroscience Scholars Program (NSP)

Graduate Student

Attenuation of Alzheimer's Disease-
Driven Memory Loss, Dementia-
Like Pain Behavior, and Loss of
Thigmotaxis by Novel Isoform-
Selective Heat Shock Protein 90-Beta
Inhibitor Treatment in 5xFAD Mice

B128

Theme C: Neurodegenerative Disorders and Injury

Maya Hawkins
NYU

ENDURE

Undergraduate Student

Exploring the Ability of BMP
Signaling to Suppress Sex-dependent
Neurodegeneration Associated with
a SOD1 and TDP-43 Model of ALS

B133

Theme C: Neurodegenerative Disorders and Injury

Jonathan Hulse
University of New Mexico
School of Medicine

*Trainee Professional
Development Award (TPDA)*

Graduate Student

Phospho-thr181 tau vaccine
efficacy studies in mouse and
non-human primate models
demonstrate robust immunogenicity,
safety, target engagement,
and reduced disease status

B136

Theme C: Neurodegenerative Disorders and Injury

Maria Fernanda Juarez Anaya
University of Pittsburgh

Neuroscience Scholars Program (NSP)

Graduate Student

Investigating the Neural Basis
of Glymphatic Clearance

C4

Theme C: Neurodegenerative Disorders and Injury

Phaedra Keller

Kent State University

Neuroscience Scholars Program (NSP)

Graduate Student

Investigating the role of neonatal estradiol on microglial-mediated inflammation in AD

C8

Theme C: Neurodegenerative Disorders and Injury

Lizbeth Liquidano Cortes

University of Nevada Reno

ENDURE

Undergraduate Student

The effect of electrical stimulation on mitochondrial calcium uptake in neural stem cells

C19

Theme C: Neurodegenerative Disorders and Injury

Alejandro Lopez-Ramirez

University of Notre Dame

Neuroscience Scholars Program (NSP); Summer Program in Neuroscience, Excellence and Success (SPINES)

Neuroscience, Excellence and Success (SPINES)

Graduate Student

Remodeling of brain energy metabolism in murine models with defect in glycine cleavage

C20

Theme C: Neurodegenerative Disorders and Injury

Macy McCuiston

University of Alabama at Birmingham

Neuroscience Scholars Program (NSP)

Graduate Student

Effects of ketone diester supplementation on fear extinction impairments in the TgF344AD rat model of Alzheimer's disease across the lifespan

C28

Theme C: Neurodegenerative Disorders and Injury

Sebastian Monge Reyes

Washington University in St. Louis

ENDURE

Undergraduate Student

Neurofilament light chain levels throughout the pathogenesis of an Amyotrophic Lateral Sclerosis rat model

C34

Theme C: Neurodegenerative Disorders and Injury

Celeste Morales

UC San Diego

ENDURE

Undergraduate Student

Inhibiting PSD-95 Depalmitoylation as a Potential Approach to Promote Synaptic Resilience Against Alzheimer's Disease

C35

Theme C: Neurodegenerative Disorders and Injury

Evelyn Mpofu

LSU Health Sciences New Orleans

ENDURE

Undergraduate Student

IL4 and IL6 induce pro-survival reactivity and ALOX12 activation in human astrocytes

C38

Theme C: Neurodegenerative Disorders and Injury

Chelsea Muse

LSU Health Sciences New Orleans

ENDURE

Undergraduate Student

Fatigue and cognition differences in their relationship with social and biological markers of stress in Black and White patients with Multiple Sclerosis

C40

Theme C: Neurodegenerative Disorders and Injury

Megan Niehaus

University of Missouri-St. Louis

ENDURE

Undergraduate Student

Working memory (WM) predicts inflammation in aging adults in a longitudinal design

C44

Theme C: Neurodegenerative Disorders and Injury

Damaris Nieves Torres

Medical College of Wisconsin

Neuroscience Scholars Program (NSP)

Graduate Student

Real-time imaging of synaptotoxic PRR7 secretion via exosomes

C45

Theme C: Neurodegenerative Disorders and Injury

Christine Nwaigwe

Washington University in St. Louis

ENDURE

Undergraduate Student

Social Behavior and Hypothalamic Activity in Menopausal Mouse Models

C46

Theme C: Neurodegenerative Disorders and Injury

Victor Omoniyi

Johns Hopkins University

School of Medicine

Neuroscience Scholars Program

(NSP); Trainee Professional Development Award (TPDA)

Graduate Student

Non-surgical therapy suppresses gliopathy and white matter injury after post-traumatic hydrocephalus

C48

Theme C: Neurodegenerative Disorders and Injury

Aleandra Ortiz Santiago

University of Puerto Rico-
Medical Sciences Campus

Trainee Professional

Development Award (TPDA)

Graduate Student

Characterization of Monocyte-Derived Microglia from HIV-Seropositive Patients to Assess Alpha 7-nAChR Activation Against HIV-induced Neuroinflammation

C49

Theme C: Neurodegenerative Disorders and Injury

Luis H. Pagán Rivera

University of Puerto Rico
Medical Science Campus

Neuroscience Scholars Program (NSP)

Graduate Student

The effect of cefazolin on the gut microbiome of female rats after spinal cord injury

C50

Theme C: Neurodegenerative Disorders and Injury

Celeste Parra Bravo

Weill Cornell Medical College

Neuroscience Scholars Program (NSP); Trainee Professional

Development Award (TPDA)

Graduate Student

Human iPSC 4R tauopathy model uncovers modifiers of tau propagation

C53

Theme C: Neurodegenerative Disorders and Injury

Kirk Persaud

University of Rochester School
of Medicine & Dentistry

NEUROCIITY

Graduate Student

Acute Timepoint Investigation of Double-Stranded DNA Damage and Microglial Activation Following Cranial Irradiation in Mice

C54

Theme C: Neurodegenerative Disorders and Injury

Bonita Powell

Johns Hopkins University

Neuroscience Scholars Program (NSP)

Graduate Student

Understanding HSV-1 host miRNA-mediated mechanisms of post-transcriptional gene regulation in the CNS

C56

Theme C: Neurodegenerative Disorders and Injury

Derian Pugh

University of Alabama at Birmingham

Neuroscience Scholars Program

(NSP); Trainee Professional

Development Award (TPDA)

Graduate Student

Neuritin (NRN1) provides synaptic resilience against tau in Alzheimer's Disease

C57

Theme C: Neurodegenerative Disorders and Injury

Said Salehe

Florida International University

Trainee Professional

Development Award (TPDA)

Graduate Student

Impact of Long-Term Partial Drp1

Knockout in Aging Brain

C65

Theme C: Neurodegenerative Disorders and Injury

Krystal Santiago Colon

University of Michigan

Neuroscience Scholars Program (NSP)

Graduate Student

Quantification of cholinergic cell

number in the pedunculo pontine

nucleus and medial septum of

an Scn1a+/- mouse model

of Dravet Syndrome

C67

Theme C: Neurodegenerative Disorders and Injury

Nishell Savory

Drexel University College of Medicine

Neuroscience Scholars Program (NSP)

Graduate Student

Characterization of a mouse model

of infant traumatic brain injury

C70

Theme C: Neurodegenerative Disorders and Injury

Zachary Simon

University of Florida

Neuroscience Scholars Program (NSP)

Graduate Student

Age and genotype differences

in contextual fear memory

between the human APOE4 and

APOE3 homozygous targeted

replacement mouse models

C73

Theme C: Neurodegenerative Disorders and Injury

Rahul Singh

Yale University

Trainee Professional

Development Award (TPDA)

Postdoctoral Fellow

Geometrical and topological

motifs of first-episode psychosis

in live dyadic interactions

C74

Theme C: Neurodegenerative Disorders and Injury

Chris Stein

Hunter College

ENDURE

Undergraduate Student

Investigating the Neuroprotective

Effect of Myelin on SARM1-

Mediated Wallerian Degeneration

C77

Theme C: Neurodegenerative Disorders and Injury

Leilani Taiano
Temple University
ENDURE

Undergraduate Student
A Hierarchical Analysis of Childhood Trauma and Dissociation as Predictors of Decreased Brain Volumes Across Psychosis-Risk States
C80

Theme C: Neurodegenerative Disorders and Injury

Francisco Torres Torres
University of Michigan
Neuroscience Scholars Program (NSP); Summer Program in Neuroscience, Excellence and Success (SPINES)

Graduate Student
Investigating the role of mitochondrial quality control mechanisms in the induction of microglial polarization following oxygen and glucose deprivation
C87

Theme C: Neurodegenerative Disorders and Injury

Samuel Wachamo
University of Virginia
Neuroscience Scholars Program (NSP); Summer Program in Neuroscience, Excellence and Success (SPINES); Trainee Professional Development Award (TPDA)

Graduate Student
Bacterial extracellular vesicles contain short chain fatty acids that might play a role in Alzheimer's disease pathogenesis
C92

Theme D: Sensory Systems

Alejandro I. Dueño-Sosa
University of Puerto Rico,
Rio Piedras Campus
ENDURE

Undergraduate Student
Establishing the Mexican tetra as a novel model for hair cell regeneration
C105

Theme D: Sensory Systems

Betina Galang
UC San Diego
ENDURE

Undergraduate Student
Synaptogenesis of Transplanted Inhibitory Neurons in the Adult Primary Visual Cortex
C109

Theme D: Sensory Systems

Laura Camila Gomez
UC Berkeley
Trainee Professional Development Award (TPDA)

Graduate Student
2-photon voltage imaging of sensory and cognitive signal dynamics in sensory cortex
C110

Theme D: Sensory Systems

Geo January
University of Nevada Reno
ENDURE

Undergraduate Student
Phosphorylation and Its Impact on Syntaxin3 Localization in Retinal Photoreceptors
C118

Theme D: Sensory Systems

Mikaela Kjenaas

UC San Diego

ENDURE

Undergraduate Student

Investigating the Sensory Modalities Necessary for the Social Transfer of Pain in Mice

C121

Theme D: Sensory Systems

Mari Morimoto

University of Rochester, The

City University of New York

NEUROCIY

Graduate Student

Mammalian chemosensory bile acid detection supports gut microbiome evaluation

C126

Theme D: Sensory Systems

Quiana Mosley

North Carolina State University

Neuroscience Scholars Program

(NSP); Summer Program in

Neuroscience, Excellence

and Success (SPINES)

Graduate Student

Extensive Alternative Splicing in Dorsal Root Ganglia Sensory Neurons is Cell Specific and Selective to the Regulation of Neuronal Ion Channels and Synaptic Properties

C127

Theme D: Sensory Systems

Lillian Murphy

University of California, Berkeley

Neuroscience Scholars Program (NSP)

Graduate Student

Characterizing pain-like behaviors and inflammation in a mouse model of Atopic Dermatitis

C129

Theme D: Sensory Systems

Alexa M. Negrón-Morales

University of Puerto Rico,

Rio Piedras Campus

ENDURE

Undergraduate Student

Testing the Necessity of an Interneuron Hemilineage in Drosophila Grooming Behavior via Targeted Neuronal Inhibition

C130

Theme D: Sensory Systems

Mariela Rosa Casillas

University of California, San Francisco

Neuroscience Scholars Program (NSP)

Graduate Student

Long-term spinal cord imaging in behaving animals before and after nerve injury

C136

Theme D: Sensory Systems

Emily Siff

Yale University

Neuroscience Scholars Program (NSP)

Graduate Student

The Dark Side of the Common Fruit Fly: Life, Death, & Cannibalism

C142

Theme D: Sensory Systems

Hari Srinivasan

Vanderbilt U

Trainee Professional

Development Award (TPDA)

Graduate Student

Navigating the Near: VR Investigations of Peripersonal Space in Autism

C146

Theme E: Motor Systems

Ephraim Boamah

Bowdoin College

Faculty for Undergraduate

Neuroscience (FUN)

Undergraduate Student

The Effects of MPTP on the Spinal Locomotor Network within the Mammalian Spinal Cord

C155

Theme E: Motor Systems

Marcela Gonzalez-Rubio

University of Pittsburgh

Neuroscience Scholars Program (NSP)

Graduate Student

Human perception of leg-speed differences in walking adheres to Weber's Law

D8

Theme E: Motor Systems

Setareh Metanat

UC San Diego

ENDURE

Undergraduate Student

Modulating Motor Behavior in Aging Mice: A Kinematic Approach to Understanding Neuromuscular Aging

D18

Theme E: Motor Systems

Sabrina Santos

University of Puerto Rico

Rio Piedras Campus

ENDURE

Postbaccalaureate

Effects of endocannabinoid system activation in neuro-inflammatory induced depressive and anxiety behaviors through lipopolysaccharide injection.

D29

Theme E: Motor Systems

Brendan Summy

University of Washington

ENDURE

Undergraduate Student

Neuroanatomy Inspired Models Pave the Way to Functional Realism in Drosophila Locomotion Simulations

D33

Theme E: Motor Systems

Daniela Umana-Rodriguez

University of Puerto Rico,

Rio Piedras Campus

ENDURE

Undergraduate Student

Characterizing Transgenic Mice with Altered Vitamin B6 Metabolism

D36

Theme E: Motor Systems

Aria Walls

City University of New
York - Graduate Center

Neuroscience Scholars Program (NSP)

Graduate Student

Angiotensin Converting Enzyme
2 (ACE2) activity modulates
the physiology of cholinergic
interneurons (CINs) of the striatum

D37

Theme F: Integrative Physiology and Behavior

Johana Alvarez

Icahn School of Medicine
at Mount Sinai

*Neuroscience Scholars Program
(NSP); Summer Program in
Neuroscience, Excellence
and Success (SPINES)*

Graduate Student

Chronic stress promotes
peripheral immune interactions
at the brain endothelium

D42

Theme F: Integrative Physiology and Behavior

Lisandra Arroyo Mejias

Universidad Ana G. Mendez- Gurabo

ENDURE

Undergraduate Student

Apolipoprotein E expression in
the Enteric Nervous System

D45

Theme F: Integrative Physiology and Behavior

Andoni Asencor

University of California, San Francisco

*Neuroscience Scholars Program
(NSP); Summer Program in
Neuroscience, Excellence
and Success (SPINES)*

Graduate Student

A novel transcobalamin receptor
autoantibody in autoimmune
vitamin B12 central deficiency

D46

Theme F: Integrative Physiology and Behavior

Maryam Aslam

University of Washington

ENDURE

Undergraduate Student

Characterizing swallow-breathing
coordination in male MECP2 knockout
mice compared to wild-type

D47

Theme F: Integrative Physiology and Behavior

Kelsey Carvajal

University of Washington

ENDURE

Undergraduate Student

Oral Fentanyl Self-Administration
in Male and Female Mice

D58

Theme F: Integrative Physiology and Behavior

Jhah Cook

Yale University

Neuroscience Scholars Program (NSP)

Graduate Student

The Interplay of Stress Regulators:
Corticotropin-Releasing Factor and
Norepinephrine Interactions in Threat

D60

Theme F: Integrative Physiology and Behavior

Monica Duran

University of Wisconsin-Madison

Neuroscience Scholars Program (NSP)

Graduate Student

Brainstem and Cerebellar White
Matter Tract Maturation in
School-Aged Autistic Children

E9

Theme F: Integrative Physiology and Behavior

Laura Cortes

University of California Los Angeles

D-SPAN

Postdoctoral Fellow

Modulation of body temperature
by hypothalamic estrogen
signaling in pregnant mice

E2

Theme F: Integrative Physiology and Behavior

Rachel Fisher-Foye

Icahn School of Medicine

at Mount Sinai

Neuroscience Scholars Program (NSP)

Graduate Student

Neurobiological underpinnings of
stress-induced social reward deficits

E13

Theme F: Integrative Physiology and Behavior

Sergio Crespo-Flores

Rutgers University - New Brunswick

Neuroscience Scholars Program (NSP)

Graduate Student

Sexually dimorphic roles for *Drosophila*
circadian clock neuropeptides in
regulating rest-activity rhythms

E3

Theme F: Integrative Physiology and Behavior

Luis Franco

University of Oregon

Trainee Professional

Development Award (TPDA)

Postdoctoral Fellow

Differential Stability of Task Variable
Representations in Retrosplenial Cortex

E15

Theme F: Integrative Physiology and Behavior

Katelyn Dial

Georgetown University

Neuroscience Scholars Program

(NSP); Trainee Professional

Development Award (TPDA)

Graduate Student

Behavioral deficits in 5HT2A^{-/-} mice

E7

Theme F: Integrative Physiology and Behavior

Jordan Grammer

University of Utah

Neuroscience Scholars Program (NSP)

Graduate Student

The neurobiology of social
anxiety: examining the role of
BNST to NAc projections

E17

Theme F: Integrative Physiology and Behavior

Trevonn Gyles

**Icahn School of Medicine
at Mount Sinai**

Neuroscience Scholars Program (NSP)

Graduate Student

Resilient Specific Sex-Conserved
Transcriptomic Networks in the
Nucleus Accumbens Following
Chronic Social Defeat Stress in Mice

E19

Theme F: Integrative Physiology and Behavior

Umme Habiba

University of Washington

ENDURE

Undergraduate Student

Investigating the Role of
Intratelencephalic and Pyramidal
Tract Neurons in the Prefrontal Cortex
in Fentanyl Self Administration

E20

Theme F: Integrative Physiology and Behavior

Viridian Klei

University of Washington

ENDURE

Undergraduate Student

Lunar Rhythmicity of Sleep
Patterns in Urban Populations

E31

Theme F: Integrative Physiology and Behavior

Alayna McGuire

University of Nevada Reno

ENDURE

Undergraduate Student

Effects of Hormone Contraceptives
on Neuroimmune Activation

F1

Theme F: Integrative Physiology and Behavior

Nadia McLean

Washington State University

Trainee Professional

Development Award (TPDA)

Graduate Student

Selectively targeting cerebellar
adaptations during withdrawal
reduces alcohol withdrawal severity

F2

Theme F: Integrative Physiology and Behavior

Mari Morimoto

**University of Rochester, The
City College of New York**

NEUROCITY

Graduate Student

Mammalian chemosensory
bile acid detection supports
gut microbiome evaluation

F10

Theme F: Integrative Physiology and Behavior

Nkatha Mwenda
Northwestern University
Neuroscience Scholars Program (NSP)

Graduate Student
Role of Dopamine Inhibition in
Punishment-Resistant Reward-
Seeking Behavior

F11

Theme F: Integrative Physiology and Behavior

Jonah Padawer-Curry
Washington University in Saint Louis
D-SPAN

Graduate Student
Psychedelics Alter Cortical
Neurovascular Coupling

F17

Theme F: Integrative Physiology and Behavior

Sidney Retama-Candelario
North Carolina Central University
ENDURE

Undergraduate Student
Butyrate: a potential driver
of aggressive behavior

F26

Theme F: Integrative Physiology and Behavior

Joselynn Reyes
University of Texas at El Paso
ENDURE

Undergraduate Student
From Sleepless Nights to Molecular
Insights: Mapping the Periodic
Table in the Pregnant Brain

F27

Theme F: Integrative Physiology and Behavior

Eduardo A. Rivera-Vélez
University of Puerto Rico,
Rio Piedras Campus

ENDURE
Undergraduate Student
The effects of antibiotics on
ultrasonic vocalizations and
fear-like behaviors in male rats

F28

Theme F: Integrative Physiology and Behavior

Micaela Romero
University of Washington

ENDURE
Undergraduate Student
Bumblebees Exhibit Behavioral
Changes Post-Isolation

F30

Theme F: Integrative Physiology and Behavior

Fabiana Z. Rosado-Rodríguez
University of Puerto Rico,
Rio Piedras Campus

ENDURE
Undergraduate Student
Increased BDNF expression
in the nucleus accumbens and
hippocampus for the extinction of
morphine place preference across
the estrous cycle in females

F31

Theme F: Integrative Physiology and Behavior

Stephanie Serrafin Lugo
University of Nevada Reno
ENDURE

Undergraduate Student
Exploring the role of VMH-Vglut3 neurons in blood glucose regulation
F33

Theme F: Integrative Physiology and Behavior

Brianna Smith
University of Washington
ENDURE

Undergraduate Student
Visualizing Mu-Opioid Activity in the Ventral Tegmental Area
F36

Theme F: Integrative Physiology and Behavior

Tiffani Swalinkavich
University of Washington
ENDURE

Undergraduate Student
Fear Entrainment of Circadian Rhythms via Optogenetics
G1

Theme F: Integrative Physiology and Behavior

Stephanie Ugochukwu
UC San Diego
ENDURE

Undergraduate Student
Understanding the Neural Basis Behind Cardiac Physiology
G7

Theme F: Integrative Physiology and Behavior

Camila Vargas-Calatayud
Furman University
Faculty for Undergraduate Neuroscience (FUN)

Undergraduate Student
The influence of age on the gut-brain axis following recovery from an intestinal insult
G8

Theme F: Integrative Physiology and Behavior

Joy Velázquez-Colón
University of Puerto Rico, Rio Piedras Campus
ENDURE

Undergraduate Student
BDNF signaling pathway in the extinction of morphine place preference in female rats
G9

Theme F: Integrative Physiology and Behavior

Conner Whitten
University of Tennessee, Knoxville
Neuroscience Scholars Program (NSP)
Graduate Student

Investigating the role of androgen receptor expressing cells in a MeA-BNST pathway on dominance relationships and social defeat stress
G13

Theme G: Motivation and Emotion

Chantal Aaron

Tufts University

Neuroscience Scholars Program (NSP)

Graduate Student

Age- and Sex-Specific Effects of Oxycodone Self-Administration during Gestation on Offspring Reward Motivation and Locomotor Sensitization

G16

Theme G: Motivation and Emotion

Jonathan Aguirre

University of Minnesota- Twin Cities

Neuroscience Scholars Program (NSP)

Graduate Student

Effects of ventral tegmental area dopamine neuron GABA-B1 receptor deletion on cue-evoked relapse

G17

Theme G: Motivation and Emotion

Kenneth Amaya

Tufts University School of Medicine

D-SPAN; Trainee Professional Development Award (TPDA)

Postdoctoral Fellow

Basolateral amygdala interneuron-driven oscillatory states engage valence-specific ensembles and distinct downstream circuits

G18

Theme G: Motivation and Emotion

Makayla Anfusion

University of Maryland

ENDURE

Undergraduate Student

Transcriptional adaptations in reward-related brain regions in perinatal fentanyl exposed juvenile mice.

G19

Theme G: Motivation and Emotion

Lymelsie Aponte Ramos

Universidad de Puerto Rico-Cayey

ENDURE

Undergraduate Student

Does vasopressin facilitate the transition from juvenile to adult social behaviors? A link with Autism Spectrum Disorder

G20

Theme G: Motivation and Emotion

Lauren Blagmond

Temple University

ENDURE

Undergraduate Student

Alteration of OFC interneuron activity in binge drinking mice

G21

Theme G: Motivation and Emotion

Isabella Bodziony

Hunter College

ENDURE

Undergraduate Student

Analyzing the Effects of Socialization on Levels of Dopamine in the Nucleus Accumbens

G22

Theme G: Motivation and Emotion

Vicky Cadena

Washington University in St. Louis

ENDURE

Undergraduate Student

Neural emotion differentiation is associated with self-regulation in children

G25

Theme G: Motivation and Emotion

Gaby Castro

University of Maryland

ENDURE

Undergraduate Student

Understanding the impact of acute alcohol administration on fear and anxiety circuitry

G26

Theme G: Motivation and Emotion

Sophie Cohen

Drexel University College of Medicine

Neuroscience Scholars Program (NSP)

Graduate Student

Sleep disturbances are associated with mesolimbic dopamine dysfunction and cue-induced drug seeking during cocaine abstinence

G28

Theme G: Motivation and Emotion

Kensal Coudriet

University of Nevada Reno

ENDURE

Undergraduate Student

Concordance of PSG and Actigraphy Sleep Architecture in Individuals with Insomnia and Depression

G29

Theme G: Motivation and Emotion

Christian D. Del Valle-Colón

University of Puerto Rico, Río Piedras

Neuroscience Scholars Program (NSP)

Graduate Student

Circuit specific ethanol-induced transcriptional adaptations in *Drosophila melanogaster*

G31

Theme G: Motivation and Emotion

Alanis Delgado-Suarez

University of Puerto Rico -

Medical Science Campus

Neuroscience Scholars Program (NSP)

Graduate Student

Role of VP GABAergic Neurons in Approach/Avoidance Conflict

G32

Theme G: Motivation and Emotion

Jazmine Dennis

Howard University

ENDURE

Undergraduate Student

Examining the effects of adolescent social isolation on microglia quantity in the periaqueductal gray(PAG).

G33

Theme G: Motivation and Emotion

Nimesha Gerlus

Duke University

Neuroscience Scholars Program (NSP)

Graduate Student

Insula functional connectivity during retrieval and reappraisal of negative memories in transdiagnostic emotion dysregulation

H5

Theme G: Motivation and Emotion

Kassie Hamilton

Duke University

ENDURE

Undergraduate Student

Investigating neural correlates of state depression using large datasets

H9

Theme G: Motivation and Emotion

Lillian Hubbard

Temple University

ENDURE

Undergraduate Student

Effect of PICK1 in the Nucleus

Accumbens on Food Operant

Learning in Mice

H13

Theme G: Motivation and Emotion

Noah Kabbaj

Washington University in St. Louis

ENDURE

Undergraduate Student

Preliminary data suggests

repeated electroconvulsive shock

increases c-Fos activation of

mouse parvalbumin interneurons

in the hippocampus and prefrontal

cortex using large datasets

H16

Theme G: Motivation and Emotion

Mydirah Littlepage-Saunders

Uniformed Services University

Neuroscience Scholars Program (NSP)

Graduate Student

The impact of sex and sleep restriction

on delayed fear incubation in mice

H26

Theme G: Motivation and Emotion

Keydy Mendez

Temple University

ENDURE

Undergraduate Student

Determining the Behavioral

Adaptations of Mice to

Variable Food Availability

H33

Theme G: Motivation and Emotion

Madaline Mocchi

Baylor College of Medicine

Neuroscience Scholars Program

(NSP); Trainee Professional

Development Award (TPDA)

Graduate Student

Blunted auditory and salience network

responses to non-emotional salient

stimuli in the depressed brain.

H35

Theme G: Motivation and Emotion

Leo Pereira Sanabria

Michigan State University

ENDURE

Undergraduate Student

Analysis of operant self-

administration behaviors with

supervised machine learning

I1

Theme G: Motivation and Emotion

Pamela Del Mar Perez-Vazquez

University of Puerto Rico,

Medical Sciences campus

Louis Stokes Alliance for

Minority Participation

Undergraduate Student

The role of pallidal and

habenular GABAergic neurons

in approach/avoidance conflict

I2

Theme G: Motivation and Emotion

Erica Ramirez

UC Irvine

Neuroscience Scholars Program (NSP)

Graduate Student

Reunited and it Feels so Good:

VP GABA Neurons in Social Reward,

Interaction, and Communication

I6

Theme G: Motivation and Emotion

Elizabeth Sneddon
University of California, San Diego

D-SPAN

Postdoctoral Fellow

Escalation of Cocaine Self-Administration Induces Sex-Dependent Dysregulation of Estrogen and Nicotinic Receptors in Key Brain Regions of Heterogeneous Stock Rats

113

Theme G: Motivation and Emotion

Anapaula Themann
The University of Texas at El Paso

Neuroscience Scholars Program (NSP); Summer Program in Neuroscience, Excellence and Success (SPINES)

Graduate Student

Aggression modulates responses to mood-related stimuli in adult male CD-1 mice.

117

Theme G: Motivation and Emotion

Giancarlo Tirado
University of Puerto Rico,
Rio Piedras Campus

ENDURE

Undergraduate Student

Reward Anticipation Reduces H-Current in Midbrain Dopamine Neurons

119

Theme G: Motivation and Emotion

Ugo Uzo-Ojinnaka
St. Louis University

ENDURE

Undergraduate Student

Cognitive Biases and the Acceptance of AI Recommendations using the Frame Selection Task

123

Theme G: Motivation and Emotion

Shayna Wexler
University of Central Florida

ENDURE

Undergraduate Student

Necessity of Neurotensin Signaling via Lateral Hypothalamic Area Neurotensin and Its Implications for Obesity Treatment

126

Theme H: Cognition

Joel Acevedo-Nieto
University of Puerto Rico,
Medical Sciences Campus
Neuroscience Scholars Program (NSP)

Postdoctoral Fellow

Balance training and Executive Functions among Middle-Aged and older adults: A Systematic Review

130

Theme H: Cognition

Nia Berrian
The University of Chicago
Neuroscience Scholars Program (NSP)

Graduate Student

Longitudinal stability of resting state functional connectivity predicts attention-related symptomatology in youth

134

Theme H: Cognition

Brady Borchelt
University of Washington

ENDURE

Undergraduate Student
Learning and Adaptation
to 3D Visuomotor Rotations
in a 2D Cursor Task

I38

Theme H: Cognition

Corey (Faith) Broersma
University of Florida

*Faculty for Undergraduate
Neuroscience (FUN)*

Undergraduate Student
Electrophysiological Signatures
of Novel Language Learning
in the Earliest Stages

I39

Theme H: Cognition

Patrick Desince
Brooklyn College

ENDURE

Undergraduate Student
Context-Specific Conditioned
Flavor Preference Learning:
A Neuroimaging Analysis

J8

Theme H: Cognition

Jane Ekhtman
University of Rochester

NEUROCIY

Undergraduate Student
Examining Influences on Adults'
Reasoning About Biological
Categories and Variability

J10

Theme H: Cognition

Alfredo Frontera
University of Puerto Rico,
Rio Piedras Campus

ENDURE

Undergraduate Student
Enhancing Working Memory Capacity
Through Long-term Memory Utilization:
The Role of Event Boundaries

J14

Theme H: Cognition

Yosun Gezaghen
University of Washington

ENDURE

Undergraduate Student
A High-Throughput Study of Two
Macaque Species: The Relationship
Between Cognitive Ability, Age,
Health, and Age-Related Disease

J17

Theme H: Cognition

Cassandra Hayashi
UC San Diego

ENDURE

Undergraduate Student
Task development and validation for
probing neural circuits that mediate
long-term fear memory in humans

J22

Theme H: Cognition

Sidney Hulsey
University of Nevada Reno

ENDURE

Undergraduate Student
Testing the Dominant
Psychophysical Models of
Approximate Number Perception

J27

Theme H: Cognition

Janeen Louis
Howard University
ENDURE

Undergraduate Student
Referral Roots and Racial Relationships: Understanding the Role of Race in Referral Sources for Anxiety Treatment Among Youth
J36

Theme H: Cognition

Ashby Martin
University of Iowa
Neuroscience Scholars Program (NSP); Summer Program in Neuroscience, Excellence and Success (SPINES)

Graduate Student
Does the use of an interpreter affect the quality and accuracy of neuropsychological assessments in Spanish speaking patients?
K1

Theme H: Cognition

Alayah O'Sullivan
Temple University
ENDURE

Undergraduate Student
How does trust, anxiety, and depressive symptoms relate to social connections?
K12

Theme H: Cognition

Hope Peterson-Sockwell
University of North Carolina at Chapel Hill
D-SPAN; Neuroscience Scholars Program (NSP)
Postdoctoral Fellow

Differences in dynamic functional connectivity in youth with ADHD on and off stimulant medication
K15

Theme H: Cognition

Victoria Popov
University of Rochester School of Medicine and Dentistry
Neuroscience Scholars Program (NSP)
Graduate Student

An acute exercise intervention to ameliorate behavioral and neurophysiological indices of inhibitory control deficits in schizophrenia: a mobile brain/body imaging (MoBI) study
K17

Theme H: Cognition

Frankie Reyna
University of Washington
ENDURE

Undergraduate Student
Investigation of MemoryLab's Underestimation of Patients Speed of Forgetting (SOF)
K25

Theme H: Cognition

José Rodríguez

University of Florida

*Faculty for Undergraduate
Neuroscience (FUN)*

Undergraduate Student

Effects of chronic vagus nerve
stimulation in aging

K27

Theme H: Cognition

Melody Schwenk

Gallaudet University

Neuroscience Scholars Program (NSP)

Graduate Student

Differential fusiform activation
in hearing and deaf children
during lexical decision tasks

K32

Theme H: Cognition

Brooke Shulski

Temple University

ENDURE

Undergraduate Student

Peer Influence & Juvenile Crime Rates

L1

Theme H: Cognition

Sabrina Zequeira

University of Florida

*Neuroscience Scholars Program
(NSP); Summer Program in
Neuroscience, Excellence
and Success (SPINES)*

Graduate Student

Differential effects of chronic oral THC
consumption in young and aged rats

L16

Theme H: Cognition

Elenie Zuniga

University of Nevada Reno

ENDURE

Undergraduate Student

Impression Management:
Understanding Fear of
Evaluation and Social Anxiety

L17

Theme H: Cognition

Tiffany Lin

Hunter College

ENDURE

Undergraduate Student

Implications of Negative-
Affective Stimuli on Attention

L18

Theme H: Cognition

Belkairys Taveras Tapia

Hunter College

ENDURE

Undergraduate Student

Impact of Sleep Quality on Adolescent
Decision-Making: An Application
of the Drift-Diffusion Model

L19

Theme I: Techniques

Dominic Acri

National Institute on Aging

Neuroscience Scholars Program (NSP)

Postdoctoral Fellow

Semi-automated hand annotation
(saha) for mouse brain single
cell and spatial datasets

L20

Theme I: Techniques

Kaejaren Caldwell
university of cincinnati

Neuroscience Scholars Program (NSP)

Graduate Student

Characterization and validation
of an ex vivo ischemia model
for neurochemical analysis

L25

Theme I: Techniques

Hector G. Haddock-Martínez

University of Puerto Rico,
Rio Piedras Campus

ENDURE

Undergraduate Student

Characterization of multiphoton
microscopy for in vivo
mouse brain imaging

L28

Theme I: Techniques

Vanessa Kamara

Worcester Polytechnic Institute

Neuroscience Scholars Program

(NSP); Summer Program in

Neuroscience, Excellence
and Success (SPINES)

Graduate Student

Bidirectional modulation of
C. elegans neural excitability
by external electrical stimulation

L31

Theme I: Techniques

Maylyn Mei

Hunter college

ENDURE

Undergraduate Student

Analyzing Post Tracking
Locomotion in Macaques in
the Human Intruder Paradigm

L35

Theme I: Techniques

Victoria Norman

University of Tennessee, Knoxville

Neuroscience Scholars Program

(NSP); Summer Program in

Neuroscience, Excellence
and Success (SPINES)

Graduate Student

Using microfluidics for culturing
ex-vivo brain tissue slices
and investigating Alzheimer's
disease-associated proteins

L37

Theme I: Techniques

Liyah Reed

Furman University

Faculty for Undergraduate

Neuroscience (FUN)

Undergraduate Student

Comprehensive Analysis of Solution
Optimized Fentanyl and its Analogs
in the Human μ -Opioid Receptor

M7

Theme I: Techniques

Mary Avella

Hunter College

ENDURE

Undergraduate Student

Mechanistic Investigations Into
the Brain Derived Neurotrophic
Factor Receptor TrkB

M17

**Theme J: History, Education,
and Society**

Clifton David
Brooklyn College
ENDURE

Undergraduate Student
Exploring the Influence of Confidence
on Learning Ability in The
Context of Unclear Instructions

M19

**Theme J: History, Education,
and Society**

Sy'Keria Garrison
**University of North
Carolina at Chapel Hill**
Neuroscience Scholars Program (NSP)

Graduate Student
Reducing stigma, saving lives:
A community-based program to
build awareness and treatment for
those with opioid use disorder

M21

**Theme J: History, Education,
and Society**

Jacob Liu
University of California, Irvine
*Faculty for Undergraduate
Neuroscience (FUN); Trainee
Professional Development
Award (TPDA)*

Undergraduate Student
Influence of first-generation
status on student metacognition
and academic performance in
undergraduate biology education

M24

**Theme J: History, Education,
and Society**

Dakota Pashanova
Brooklyn College
ENDURE

Undergraduate Student
Facilitating and Deterring Factors of
Research Participation and Assessment
Use by Mental Health Providers

M26
