THE 2020 BRAINS & BEHAVIOR RETREAT

12:00 - 12:15 WELCOME & INTRODUCTION

12:15 - 1:05 KEYNOTE // NEGAR FANI PH.D.
Diverse Manifestations of Post-traumatic Stress Disorder: Biomarkers and Targets for Intervention

1:05 - 1:20 BREAK

1:20 - 1:55 DATA BLITZ

1:55P - 2:10 BREAK

2:10 - 3:00 DIVERSITY PANEL

Diversity, Equity, & Inclusion Panel

3:00 - 4:00 POSTER SESSION

Scan the QR Code with your camera to register.

Or visit: https://linktr.ee/gsubnb

THE 2021 RETREAT WILL BE HELD VIRTUALLY
FOR MORE INFORMATION GO TO HTTPS://NEUROSCIENCE.GSU.EDU/BRAINS-BEHAVIOR/BB-EVENTS/ANNUAL-RETREAT/
THE 2020 BRAINS & BEHAVIOR RETREAT

DataBLITZ & Talk Schedule

12:15pm // KEYNOTE // NEGAR FANI PH.D.
Diverse manifestations of Post-traumatic Stress Disorder: Biomarkers & Targets for Intervention

1:20-1:25p
LAURA CORTES
Role of epigenetics in sexual differentiation of estrogen receptor alpha

1:26-1:31p
MATT DUNAWAY
Coming Soon

1:32-1:37p
MARY FERNANDES
Cognitive and psychiatric functioning among Cushing’s syndrome patients in remission

1:38-1:43p
WENHAO JIANG
Imaging genetics reveal shared mechanisms behind psychotic symptom profile in Schizophrenia and Bipolar Disorder

1:44-1:49p
DAVID SIMPSON
Reflection does not cause self-sacrifice

2:10pm
To learn more about our Diversity Panel, find a pre-interview with each of our speakers here!

https://vimeo.com/showcase/8398533

https://www.virtualchair.net/events/gsu-brains-2021
The 2021 B&B Retreat Poster Session

3-4pm

Loud and Proud: Squeak Loudly and Carry a Big Kick  
Sierra McAlistor  
Biology (Indiana University)

Seasonal and sex-specific regulation of 3α-hydroxysteroid dehydrogenase (3α-HSD) activity in Siberian hamsters  
Kathleen M. Munley  
Biology (Indiana University)

Enabling Benzodiazepine Precursor Development: Photo-activated CO Surrogate for Safer and Expedited Pd-Catalyzed Carbonylation  
Nicola Bauer  
Chemistry

Investigation of the Role of VAMP-Associated Protein A (VAPA) on the Calcium Sensing Receptor (CaSR)  
Li Tian  
Chemistry

Near-infrared Electrochemiluminescence of Au Nanocluster Film on ITO electrode for Ratiometric Detection of Drugs  
Hedi Ma  
Chemistry

Separation of short and medium-chain fatty acids using capillary electrophoresis with indirect photometric detection: Identification of fatty acids in rat feces  
Uyen Pham  
Chemistry

Structural Basis and Mechanistic Insights of Metal Binding Sites of The Calcium Sensing Receptor Extracellular Domain  
Cheyenne McBean  
Chemistry

Dance Interventions Improving Balance in People with Parkinson’s Disease: A Meta-Analysis  
Caroline Simpkins  
Kinesiology & Health

A Case Study on Jazz Practice and Improvisation  
Charlotte Ellis Dennison  
Music Education

Characterizing Perineuronal Nets Following Social Defeat Stressful  
Emma Shaughnessy  
Neuroscience

Early Life Pain Alters the Fever and Sickness Responses to an Adult Immune Challenge  
Morgan Gomez  
Neuroscience

Ionic Mechanisms Underlying Episodic Bursting  
Jessica Parker  
Neuroscience

Long Term Consequences of Perigestational Opioid Exposure  
Hannah Harder  
Neuroscience

Phenomenological Model of a Slow Synapse  
Jack Scully  
Neuroscience

The chaperonin CCT is required for cell-type specific dendritic diversity via regulatory effects on the microtubule cytoskeleton  
Erin Lottes  
Neuroscience

The Effect of Social Status and Social Stress on the Rewarding Properties of Social Interactions  
Erica Williams  
Neuroscience

The Neural Circuitry Behind Scent Marking in Syrian Hamsters  
Jacob Vander Velden  
Neuroscience

Visual cortical cell-type and local field responses for contextual processing  
Connor Gallimore  
Neuroscience

Effect of water content on short and medium chain fatty acid concentration: A time study to determine fatty acid content by CE-IPD in rat feces  
Elizabeth Sambor  
Neuroscience

Impact of Perigestational Opioid Exposure on Juvenile Play Behavior and Oxytocin Receptor Binding in Rats  
Meghan Vogt  
Neuroscience

Knockdown of Sex-Different Vasopressin Production in the Bed Nucleus of the Stria Terminalis Reduces Social Investigation, Communication, and Sex Behavior in Male, but Not in Female Mice  
Niko Rigney

Role of Arc Turnover in Tauopathies  
Dina Yakout  
Neuroscience

Characterizing cortical ensembles that process prediction in primary visual cortex  
Jordan M. Ross  
Neuroscience

Developmental impact of perigestational morphine exposure on the alcohol reward system of Sprague Dawley rats  
Christopher Searles  
Neuroscience

Emulsifier Consumption Increases Social Stress Sensitivity in Mice  
Amanda Arnold  
Neuroscience

Experience-Dependent Plasticity of Cold-Evoked Noceception  
Kevin J. Donaldson, MS  
Neuroscience

How the Fly Youth Chill: The evolution of cold nociception in drosophilid larvae and identification of a neural basis for cold acclimation  
Nathaniel Himmel  
Neuroscience

Neuronal ensembles for multisensory deviance detection in posterior parietal cortex  
Alice B. Van Derveer  
Neuroscience

Role of persistent sodium current controlling rhythm of CPG neurons  
Ricardo Erazo Toscano  
Neuroscience

Social defeat is mitigated in female, but not male Syrian hamsters, when tested in their home cage  
Zachary Grieb  
Neuroscience

TrpA1 mediates cold nociception in Drosophila melanogaster  
Jamin Letcher  
Neuroscience

Ubiquitin-dependent control of hypothalamic-pituitary-gonadal axis constituent  
Arlene J. George  
Neuroscience

Epigenetic Regulation of Estrogen Receptor Alpha  
Laura R Cortes  
Neuroscience

Error Functions and Blended Neural Circuits  
Jassem N Bourahmah  
Neuroscience

Prebiotics Attenuate Cocaine-seeking Behavior in Adult but not Adolescent Male Rats  
Kevin Mesape  
Neuroscience

Characterization of Fibroblast Growth Factor 21 (FGF21) in a Neuroblastoma Cell Line  
Hannah Land Lai  
Nutrition

Tracking epileptic seizure network for better surgical decision making  
Sushma Ghimire  
Physics and Astronomy

An examination of the utility of a novel fMRI-amenable behavioral task for the study of social avoidance behavior  
Anne E. Werkheiser  
Psychology

Graph theoretical analysis of brain network characteristics in brain tumor: A review  
Eric Semmel  
Psychology

Hierarchical Cluster Analysis for Gray Matter and Symptom Subtype in Schizophrenia  
Kelly Rootes-Murdy  
Psychology

Impact of Eye Cues on Attention and Reaction Time in Capuchin Monkeys (Cebus apella)  
Elizabeth Haseltine  
Psychology

MTHFR Single Nucleotide Polymorphism Associated with Working Memory in Pediatric Medulloblastoma Survivors  
Relia Kautaainen  
Psychology

Neuropathology of Mental Imagery  
Thomas Pietruszewski  
Psychology

Periventricular White Matter Hyperintensity Relationships with Processing Speed in Long-Term Survivors of Childhood Posterior Fossa Tumor  
Holly Aleksonis  
Psychology

The Role of White Matter in the Negative Symptoms of Schizophrenia  
Jesse T Edmond  
Psychology

White matter hyperintensities relate to executive dysfunction, apathy, but not disinhibition in long-term adult survivors of pediatric posterior fossa tumor  
Olivia Haller  
Psychology

Functional Network Connectivity during Jazz Improvisation  
Martin Norgaard  
School of Music

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