
Event Agenda

International Behavioral Neuroscience Society Annual Meeting 2024

Tue, Jun 11, 2024

- 9:00 AM - 12:00 PM** **Council Meeting**
Location: Mandarinine
- 12:00 PM - 3:00 PM** **Lunch On Your Own**
- 1:00 PM - 5:00 PM** **Registration**
Location: Westin Ballroom Foyer
- 4:30 PM - 5:30 PM** **Trainee Social**
Location: Magnolia
Chair: Kelsea Gildawie, Nawshaba Nawreen
- 6:00 PM - 8:00 PM** **Welcome Reception**
Location: Oceanica
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Wed, Jun 12, 2024

- 8:30 AM - 9:30 AM** **Representational-hierarchical theory and the brain-behaviour problem**
Location: Westin Grand 1&2
Speaker: Timothy Bussey ; Chair: Jill McGaughy
- 9:30 AM - 10:00 AM** **Break**
- 10:00 AM - 12:00 PM** **Symposium: Circadian rhythms in behavioral neuroscience**
Location: Westin Grand 1&2
Chair: Leah Pyter, Eldin Jasarevic
- Paclitaxel chemotherapy disrupts behavioral and molecular circadian clocks in mice.**
10:00 AM - 10:30 AM
Speaker: Leah Pyter
 - Microglial circadian clocks contribute to sex-specific changes in behavior with age**
10:30 AM - 11:00 AM
Speaker: Laura Fonken
 - Prenatal circadian rhythm disruption induces sex-specific substance use and mood-related phenotypes in mice**
11:00 AM - 11:30 AM
Speaker: Lauren DePoy
 - The magnitude of sex differences in microbiota-gut-brain interactions are time-of-day dependent**
11:30 AM - 12:00 PM
Speaker: Eldin Jasarevic

10:00 AM - 12:00 PM

Symposium: Stress Hormones, Memory Functions, and their Implications for Psychiatric Disorders

Location: Magnolia Room
Chair: Gina Quirarte, Giulia Chiacchierini

Exploring the Impact of Glucocorticoids on Memory Systems

10:00 AM - 10:30 AM
Speaker: Gina Quirarte

Fighting fire with fire; using a stress system to enhance extinction of conditioned fear.

10:30 AM - 11:00 AM
Speaker: Christa McIntyre

Susceptibility and resilience in a rat model of PTSD: sex differences and neural pathways

11:00 AM - 11:30 AM
Speaker: Giulia Chiacchierini

Fear conditioning and extinction in people with trauma: Associations with brain and behavior

11:30 AM - 12:00 PM
Speaker: Tanja Jovanovic

10:00 AM - 12:00 PM

Symposium: Recreational drugs as therapeutic modulators of cognitive outcomes. Are they "misused" if they improve pathological behavior?

Location: Westin Grand 3
Chair: Rachel Navarra

Psychostimulant actions on prefrontal catecholamine dysregulation and executive dysfunction following traumatic brain injury

10:00 AM - 10:30 AM
Speaker: Rachel Navarra

Blast trauma, executive function, and chronic alcohol use: maladaptive or responsive?

10:30 AM - 11:00 AM
Speaker: Britahny Baskin

Circuit and subcellular characterization of MDMA effects on fear extinction

11:00 AM - 11:30 AM
Speaker: Alfred Kaye

Chronic Δ^9 -tetrahydrocannabinol (THC) improved learning in HIV1-transgenic rats without affecting controls

11:30 AM - 12:00 PM
Speaker: Jared Young

12:00 PM - 1:30 PM

Lunch On Your Own

1:30 PM - 3:30 PM

Travel Award Blitz

Location: Westin Grand 1&2
Speakers: Britahny Baskin, Yiru Chen, Maria Florencia Constantin, Tylah Doolan, Kelsea Gildawie, Evan Hart, Mao Kobayashi-Sakashita, Saurabh Kokane, Nastasia Mirofle, Khalin Nisbett, Eleni Papadopoulos, Aishwarya Patwardhan, Ana Maria Raymundi, Felicia Reed, Annie Robles, Axel Rosado, Katy Celina Sandoval, Alexa Soares, Katie Stachowicz, Andrew Justin Taylor, Rebecca Waag ; Chair: Stacey Sukoff Rizzo, Rachel Navarra

3:30 PM - 4:00 PM

Break

4:00 PM - 6:00 PM

Symposium: Amygdala-striatal interactions in reward processing

Location: Westin Grand 1&2
Chair: Talia Lerner

Neuronal circuits of natural and stress-induced habit formation.

4:00 PM - 4:30 PM
Speaker: Kate Wassum

Dissecting central amygdala circuits underlying motivated behaviors

4:30 PM - 5:00 PM
Speaker: Bo Li

Alterations of amygdala-midbrain circuit function by adolescent stress promote compulsive reward-seeking

5:00 PM - 5:30 PM
Speaker: Jacob Nadel

Cortical logic defines amygdala and striatal zones in big brains

5:30 PM - 6:00 PM
Speaker: Julie Fudge

4:00 PM - 6:00 PM

Syposium 9: Elucidating the neural substrates of motivational conflict across species

Location: Magnolia Room
Chair: Carolina Rezaval, Fabricio Do Monte

The role of the endogenous opioids in regulating prefrontal cortical threat processing and circuit function

4:00 PM - 4:30 PM
Speaker: Hugo Tejada

Overcoming fear to obtain reward: focus on the rat prefrontal cortex

4:30 PM - 5:00 PM
Speaker: Fabricio Do Monte

Creating conflicting memories from forgotten information in Drosophila

5:00 PM - 5:30 PM
Speaker: Johannes Felsenberg

Is love blind? Mating proximity gates threat perception.

5:30 PM - 6:00 PM
Speaker: Carolina Rezaval

4:00 PM - 6:00 PM

Symposium: Dynamics of Social Behavior in Rodents - Evolution and Neural Correlates

Location: Westin Grand 3
Chair: Alexies Dagnino, Alexa Veenema

Role of social behavior and memory on resilience to stress

4:00 PM - 4:30 PM
Speaker: Alexies Dagnino

Neural circuitry of social play behavior: Involvement of vasopressin and oxytocin

4:30 PM - 5:00 PM
Speaker: Alexa Veenema

Flexible minds, from play in rats to wild cognition

5:00 PM - 5:30 PM
Speaker: Juan Ignacio Sanguinetti

Prosocial decision making in rodents

5:30 PM - 6:00 PM
Speaker: Cristina Marquez

6:00 PM - 6:30 PM

Early Career Achievement Award. Regulation of social behavior by the developing amygdala.

Location: Westin Grand 1&2
Speaker: Nicole Ferrara; Chair: Jill Silverman

6:30 PM - 7:00 PM

Outstanding Achievement Award

Location: Westin Grand 1&2
Speaker: Farida Sohrabji; Chair: Jill Silverman

7:00 PM - 8:00 PM

Networking Socials

Location: TBA

8:00 PM - 10:00 PM

Dinner On Your Own

Thu, Jun 13, 2024

8:30 AM - 10:30 AM

Poster Session 1

Location: Westin Grand Foyer

TBA

8:30 AM - 10:30 AM
Location: Poster #1

Social defeat stress induces a depression-related phenotype in male prairie voles

8:30 AM - 10:30 AM
Location: Poster #2
Speaker: Sergio Iniguez

Inhibition of the prefrontal cortex and exposure to early-life stress result in enduring behavioral, transcriptional, and physiological deficits

8:30 AM - 10:30 AM
Location: Poster #3
Speaker: Catia Teixeira

Transient plasticity of neuronal ensembles for cocaine-seeking after self-administration.

8:30 AM - 10:30 AM
Location: Poster #4
Speaker: Levi Flom

Exploring the impact of partial NMDA receptor agonist D-cycloserine on cognitive flexibility and NMDA receptor signaling hub components in Shank2-deficient mice.

8:30 AM - 10:30 AM
Location: Poster #5
Speaker: Samia Afzal

SPNs Dynamics in Reward-Based Learning: Unraveling Striatal Pathways and Behavioral Adaptations in mice

8:30 AM - 10:30 AM
Location: Poster #6
Speaker: Stefano Cataldi

Midbrain ghrelin receptor signalling regulates binge alcohol consumption in a sex specific manner

8:30 AM - 10:30 AM
Location: Poster #7
Speaker: Leigh Walker

Social play behavior in prepubertal offspring impacted by vicarious social defeat stress on lactating rats.

8:30 AM - 10:30 AM
Location: Poster #8
Speaker: Andrew Justin Taylor

Vilazodone, a novel SSRI with diminished impact on methylphenidate-induced gene regulation in the striatum: Role of 5-HT1A receptor.

8:30 AM - 10:30 AM
Location: Poster #9
Speaker: Heinz Steiner

Orbitofrontal ensembles integrate taste, movement, and reward predictions during learning.

8:30 AM - 10:30 AM
Location: Poster #10
Speaker: Evan Hart

MDMA effects on fear memories and neurotransmitter release in frontal cortex.

8:30 AM - 10:30 AM
Location: Poster #11
Speaker: Axel Rosado

Balancing good and bad: serotonin signals bias memory consolidation towards positive or negative experiences

8:30 AM - 10:30 AM
Location: Poster #12
Speaker: Raquel Suarez-Grimalt

Ayahuasca facilitates fear extinction in rats via infralimbic cortex 5-HT2A and 5-HT1A receptors

8:30 AM - 10:30 AM
Location: Poster #13
Speaker: Isabel Werle

Downregulation of parvalbumin expression in the ventral hippocampus during adolescence causes abnormal structural and behavioral phenotypes in adults

8:30 AM - 10:30 AM
Location: Poster #14
Speaker: Adriana Caballero

Basolateral amygdala ensemble activity across punishment learning and extinction.

8:30 AM - 10:30 AM
Location: Poster #15
Speaker: Philip Jean-Richard-dit-Bressel

All three estrogen receptors within the medial amygdala of female mice interplay with oxytocin receptors to rapidly facilitate social recognition

8:30 AM - 10:30 AM
Location: Poster #16
Speaker: Elena Choleris

Estrogens and androgens rapidly facilitate non-social and social short-term memory in the dorsal hippocampus of male mice

8:30 AM - 10:30 AM
Location: Poster #17
Speaker: Elena Choleris

Effects of prefrontal NRG3/ERBB4 signaling on nicotine and withdrawal-induced responses.

8:30 AM - 10:30 AM
Location: Poster #18
Speaker: Emily Prantzalos

In vivo calcium imaging to shed light on neurocircuitry alterations in the prefrontal cortex

8:30 AM - 10:30 AM
Location: Poster #19
Speaker: Alexia Alsum

A zinc finger transcription factor tunes social behaviors while controlling transposable elements and immune response in prefrontal cortex.

8:30 AM - 10:30 AM
Location: Poster #20
Speaker: Natalie Truby

Redox dysregulation in the ventral hippocampus underlies schizophrenia-related changes caused by adolescent stress in rats

8:30 AM - 10:30 AM
Location: Poster #21
Speaker: Felipe Gomes

Adolescent nicotine exposure differentially impacts the development of prefrontal

circuitry in common laboratory mice genetic backgrounds

8:30 AM - 10:30 AM
Location: Poster #22
Speaker: Carlos Novoa

Exploring Shifts in Value of a Drug-Paired Aversive Cue through Taste Reactivity Analysis

8:30 AM - 10:30 AM
Location: Poster #23
Speaker: Peter Fogel

Amygdala coordination with orbitofrontal cortex memory trace neurons drives the expression of flexible behavior and related changes in dendritic spines.

8:30 AM - 10:30 AM
Location: Poster #24
Speaker: Katie Stachowicz

The role of microglia mediating the reconsolidation-impairing effect of Δ^9 -tetrahydrocannabinol is sex-specific

8:30 AM - 10:30 AM
Location: Poster #25
Speaker: Ana Maria Raymundi

Insights into Attentional Set-Shifting Deficits in Parkinson's Disease: Investigating the Influence of Perseveration and Learned Irrelevance

8:30 AM - 10:30 AM
Location: Poster #26
Speaker: Aleksandra Fijalkiewicz

Do housing-induced changes in brain activity cause stereotypic behaviours in mice?

8:30 AM - 10:30 AM
Location: Poster #27
Speaker: Lindsey Kitchenham

Cannabidiol and ketamine cause similar behavioral and molecular changes in chronically stressed mice

8:30 AM - 10:30 AM
Location: Poster #28
Speaker: Francisco Guimaraes

Inhibition of GABAA receptor in the nucleus accumbens increases dyadic social interaction in macaques.

8:30 AM - 10:30 AM
Location: Poster #29
Speaker: Rafael Maior

Calcium signaling in the nucleus accumbens during social interactions in male and female Syrian hamsters.

8:30 AM - 10:30 AM
Location: Poster #30
Speaker: Johnathan Borland

Conditional Delayed Matching/Non-Matching Task Detects Memory Loss in Middle-Aged Rats

8:30 AM - 10:30 AM
Location: Poster #31
Speaker: Joseph McQuail

Phosphodiesterase 5 inhibition during reconsolidation triggers fear memory generalization

8:30 AM - 10:30 AM
Location: Poster #32
Speaker: Cristina Stern

Effects of acute stress on innate fear circuits and behaviors

8:30 AM - 10:30 AM
Location: Poster #33
Speaker: Chris Vaaga

Prenatal alcohol and cannabinoid exposures impose distinct, sex-specific behavioral phenotypes of coordination and alcohol-seeking in adult mouse offspring

8:30 AM - 10:30 AM
Location: Poster #34
Speaker: Siara Rouzer

Blood-based biological markers are associated with cognitive function in non-impaired elderly Panamanian adults

8:30 AM - 10:30 AM
Location: Poster #35
Speaker: Adam Tratner

Oxytocin as a treatment for methamphetamine addiction, why is it not translating?

8:30 AM - 10:30 AM
Location: Poster #36
Speaker: Tylah Doolan

Tracer Analysis on the Connection Upon the Detection of the Alarm Pheromone in Rats.

8:30 AM - 10:30 AM
Location: Poster #37
Speaker: Mao Kobayashi-Sakashita

Social Isolation increases social interest and ultrasonic vocalization

8:30 AM - 10:30 AM
Location: Poster #38
Speaker: F. Scott Hall

Induction of epileptic seizures from DREADDs in rodents

8:30 AM - 10:30 AM
Location: Poster #39
Speaker: María Camila Acero-Castillo

Maternal Deprivation significantly decreased expression of BDNF in all hippocampal subfields in both male and female C57/B16J mice. Caroline Campbell, Haley Krol, and Dr. Kim Gerecke, Department of Behavioral Neuroscience and Psychology.

8:30 AM - 10:30 AM
Location: Poster #40
Speaker: Caroline Campbell

Out of the box: behavioral dynamics and drug seeking behavior in a home cage environment.

8:30 AM - 10:30 AM
Location: Poster #41
Speaker: Troy Wilcox

Stress-eating: evidence of corticosterone-induced food overconsumption.

8:30 AM - 10:30 AM
Location: Poster #42
Speaker: Sebastien Bullich

Remote Assessment of Challenge-seeking and perseverance in 3-year olds

8:30 AM - 10:30 AM
Location: Poster #43
Speaker: Elena Arduin

Cocaine sensitization is associated with changes in neurexins and neuroligins in the ventral striatum.

8:30 AM - 10:30 AM
Location: Poster #44
Speaker: Sade Spencer

Increasing geographical diversity and representation IBNS Ethics and Diversity Committee, Panama 2024

8:30 AM - 10:30 AM
Location: Poster #45
Speaker: Christian Bravo-Rivera

Spatial to social information transfer in rats: implications for domain integration and posterior parietal cortex function

8:30 AM - 10:30 AM
Location: Poster #46
Speaker: Taylor Wise

Long-term pre-operative environmental enrichment does not yield a prophylactic effect against traumatic brain injury-induced neurobehavioral deficits

8:30 AM - 10:30 AM
Location: Poster #47
Speaker: Rachel Bittner

Adolescent dim light at night induces persistent changes in anxiety-related behaviors in both C57BL/6J and C3H mice.

8:30 AM - 10:30 AM
Location: Poster #48
Speaker: Kiersten Bell

Chemogenetic inhibition of the anterior cingulate cortex promotes safe decision making in mice performing the Iowa Gambling Task.

8:30 AM - 10:30 AM
Location: Poster #49
Speaker: Benjamin Roberts

Differing transcriptional responses to cocaine across stages of drug self-administration in mice strains with high and low rates of acquisition and extinction.

8:30 AM - 10:30 AM
Location: Poster #50
Speaker: DeAnna James

Biological sex, social isolation and binge-drinking history are independent modifiers of age-related cognitive decline.

8:30 AM - 10:30 AM
Location: Poster #51
Speaker: Christopher Denning

In vivo proximity labeling for subcellularly targeted proteomics

8:30 AM - 10:30 AM
Location: Poster #52
Speaker: Maribel Anguiano

Sex-dependent differences in locomotor behavior, inflammation, and metabolism in a novel rodent model of chronic unpredictable sleep disruption.

8:30 AM - 10:30 AM
Location: Poster #53
Speaker: Heather Macpherson

FosTRAP for targeting stress-sensitive neuronal ensembles in the ventromedial prefrontal cortex.

8:30 AM - 10:30 AM
Location: Poster #54
Speaker: Samantha Rakela

An effort-related choice task with exceptional bi-directional pharmacological sensitivity.

8:30 AM - 10:30 AM

Location: Poster #55
Speaker: Johann Faustus du Hoffmann

Homecage-based unsupervised novel object recognition in mice

8:30 AM - 10:30 AM
Location: Poster #56
Speaker: Hinze Ho

Predicting Cognitive Impairment: High-Accuracy Detection Through Advanced Brain Electrical Activity Analysis

8:30 AM - 10:30 AM
Location: Poster #57
Speaker: Izhak Michaelievski

Elucidation of the role of mitochondrial RCC1-like in cognitive aging

8:30 AM - 10:30 AM
Location: Poster #58
Speaker: Corinna Burger

Cafeteria diet increases approach behaviors and appetitive 50-kHz calls and modifies gene expression of the BDNF-TrkB signaling pathway: a comparative study with two control diets

8:30 AM - 10:30 AM
Location: Poster #59
Speaker: Rebeca Vindas

Anatomical identification of vasopressin-responsive neurons in the thalamus

8:30 AM - 10:30 AM
Location: Poster #60
Speaker: David Kahn

Unveiling Network-Level Fear Dysregulation in PTSD: A Whole-Brain Mapping Approach

8:30 AM - 10:30 AM
Location: Poster #61
Speaker: Gyula Balla

Gut-Derived Vagus Nerve Signaling Promotes Memory Function

8:30 AM - 10:30 AM
Location: Poster #62
Speaker: Lea Decarie-Spain

Arsb is a host regulator of Turcibacter abundance and addiction-relevant behavior.

8:30 AM - 10:30 AM
Location: Poster #63
Speaker: Jason Bubier

Persisting Locus Coeruleus Activation in the Context of Acute and Chronic Stress

8:30 AM - 10:30 AM
Location: Poster #64
Speaker: Rebecca Waag

Out with the old, in with the new: interpretation efficacies of statistical techniques in the neurobiology of cancer.

8:30 AM - 10:30 AM
Location: Poster #65
Speaker: Savana Watts

Unlike other antipsychotic drugs, brexpiprazole does not negatively impact behavioral recovery after experimental brain trauma

8:30 AM - 10:30 AM
Location: Poster #66
Speaker: Haley Capeci

Rescuing sustained attention capability in aged male rats using a combined therapy via a7 nicotinic acetylcholine receptor allosteric modulator and environmental enrichment after experimental brain trauma

8:30 AM - 10:30 AM
Location: Poster #67
Speaker: Hailey Donald

Effects of gestational exercise on nociception, BDNF, and irisin levels in an animal model of ADHD

8:30 AM - 10:30 AM
Location: Poster #68
Speaker: Pablo Pandolfo

Effects of a7 nicotinic acetylcholine receptor allosteric modulators and environmental enrichment on sustained attention and cholinergic neurotransmission after controlled cortical impact injury.

8:30 AM - 10:30 AM
Location: Poster #69
Speaker: Annie Robles

Spontaneously Hypertensive Rat substrains and the offspring of reciprocal F2 crosses exhibit differences in addiction-related traits and cocaine sensitivity.

8:30 AM - 10:30 AM
Location: Poster #70
Speaker: Britahny Baskin

Transcranial infrared augmentation of prefrontal neurocognitive function in bipolar disorder patients

8:30 AM - 10:30 AM
Location: Poster #71
Speaker: Francisco Gonzalez-Lima

The effects of devaluation-based updating on fear memory resilience.

8:30 AM - 10:30 AM
Location: Poster #72
Speaker: Chad Smies

A novel homecage social motivation paradigm reveals a distinct circadian rhythm of social and food reward.

8:30 AM - 10:30 AM
Location: Poster #73
Speaker: Yiru Chen

Sex-dependent long-term neuropsychiatric effects of perinatal brain injury in mice.

8:30 AM - 10:30 AM
Location: Poster #74
Speaker: Hanga Kelemen

Sex differences in calcium activity of hypothalamic paraventricular oxytocin neurons and neighboring astrocytes during social or stress stimuli.

8:30 AM - 10:30 AM
Location: Poster #75
Speaker: Katy Celina Sandoval

Activation of 5-HT1B Receptors with Zolmitriptan on the Acquisition of Ethanol Preference in Adolescent Female Sprague-Dawley Rats

8:30 AM - 10:30 AM
Location: Poster #76
Speaker: Arturo Zavala

Comprehensive behavioral phenotyping of a mouse model of KCNT1-related epilepsy: insights into early life seizures, motor and cognitive function, and neuroanatomy

8:30 AM - 10:30 AM
Location: Poster #77
Speaker: Sarah Olguin

Striatal dopamine D2 receptors play a role in stress-induced eating in mice

8:30 AM - 10:30 AM
Location: Poster #78
Speaker: Valentina Vargas

Estradiol influences on fear extinction memory mechanisms and the gut microbiome in female rats

8:30 AM - 10:30 AM
Location: Poster #79
Speaker: Cassandra Hartsgrove

10:30 AM - 11:00 AM

Break

Location: Westin Grand Foyer

11:00 AM - 11:45 AM

Keynote: Biomarkers of age-associated cognitive decline: The PARI-HD study

Location: Westin Grand 1&2
Speaker: Gabrielle Britton ; Chair: Gina Quirarte

11:45 AM - 12:30 PM

Keynote: The PARI-HD study: Preclinical studies of factors associated with cognitive decline

Location: Westin Grand 1&2
Speaker: María Beatriz Carreira ; Chair: Gina Quirarte

12:30 PM - 3:00 PM

Lunch On Your Own

1:30 PM - 3:00 PM

Meet the Professionals

Location: Westin 1&2

3:00 PM - 3:05 PM

IMPORTANT ANNOUNCEMENT

Location: Westin 1&2

3:05 PM - 4:05 PM

Keynote: Hippocampal Engrams and Fear Relapse

Location: Westin Grand 1&2
Speaker: Stephen Maren ; Chair: Fendt, Markus

4:00 PM - 4:30 PM

Break

Location: Westin Grand Foyer

4:30 PM - 6:00 PM

Symposium: Time to talk about us: Unconditional stimulus (US) modulation of associative learning

Location: Westin Grand 1&2
Chair: Nicole Ferrara

VTA dopamine neurons drive learning through valence-based prediction error

4:30 PM - 5:00 PM
Speaker: Mihaela Iordanova

From Fear to Safety: Aversive Memory Attenuation through US Updating

5:00 PM - 5:30 PM
Speaker: Lucas de Oliveira Alvares

Developmental differences in fear elevation and supporting neural circuitry.

5:30 PM - 6:00 PM
Speaker: Nicole Ferrara

4:30 PM - 6:30 PM

Symposium: Food, fluids, and friends: Sex differences in motivation for natural rewards

Location: Magnolia Room
Chair: Debra Bangasser, Jessica Santollo

Effects of Junk-food diet consumption on nucleus accumbens function and motivation in males and female rats.

4:30 PM - 5:00 PM
Speaker: Carrie Ferrario

The bidirectional control of fluid intake by estradiol

5:00 PM - 5:30 PM
Speaker: Jessica Santollo

Sex differences in auditory coding of vocalizations in a hypothalamic node of the Social Behavior Network

5:30 PM - 6:00 PM
Speaker: Jeremy Spool

Sex differences in the effect of postnatal resource scarcity on motivation for natural rewards

6:00 PM - 6:30 PM
Speaker: Debra Bangasser

4:30 PM - 6:30 PM

Symposium: Novel behavioural models for advancing the study of eating disorders

Location: Westin Grand 3
Chair: Morgan James, Michelle Bilotti

Insular cortex circuits mediating flexible feeding behaviors

4:30 PM - 5:00 PM
Speaker: Sarah Stern

Targeting cognitive function to treat anorexia nervosa "" insights into the effects of psilocybin in animal models

5:00 PM - 5:30 PM
Speaker: Claire Foldi

Altered puberty outcomes associated with bisphenol-A exposure: implications for orexin (hypocretin) neuron function and motivational behaviors in early adulthood

5:30 PM - 6:00 PM
Speaker: Michelle Bilotti

Striatal glutamatergic dysfunction in a preclinical model of binge eating

6:00 PM - 6:30 PM
Speaker: Robyn Brown

6:00 PM - 10:00 PM

Dinner On Your Own

Fri, Jun 14, 2024

8:30 AM - 10:30 AM

Poster Session 2

Location: Westin Grand Foyer

Neuroplasticity-related genes correlate with individual differences in distinct phases of oxycodone self-administration in male rats

8:30 AM - 10:30 AM
Location: Poster #85
Speaker: Fair Vassoler

Early habits: how the young brain supports routinized behaviors.

8:30 AM - 10:30 AM
Location: Poster #86
Speaker: Viviana Valentin Valentin

Cognitive, psychological, and pharmacological correlates of susceptibility to (mis)information

8:30 AM - 10:30 AM
Location: Poster #87
Speaker: Rafal Rygula

Phenotypic Variations in Reinforcement Sensitivity: Implications for Stress Response

and Antidepressant Efficacy in Rodent Model.

8:30 AM - 10:30 AM
Location: Poster #88
Speaker: Rafal Rygula

Chronic heroin self-administration impairs hippocampus-dependent short-term spatial memory in male, but not female, Long-Evans rats

8:30 AM - 10:30 AM
Location: Poster #89
Speaker: Joanna Severino Perez

Perturbations in Risk/Reward Decision Making and Frontal Cortical Catecholamine Regulation Induced by Mild Traumatic Brain Injury

8:30 AM - 10:30 AM
Location: Poster #90
Speaker: Christopher Knapp

Examining sex and age differences in memory performance across the day-night cycle.

8:30 AM - 10:30 AM
Location: Poster #91
Speaker: Gretchen Pifer

Age-related memory updating impairments linked to reduced overlap between memory engrams

8:30 AM - 10:30 AM
Location: Poster #92
Speaker: Chad Brunswick

Fos-expressing neuronal ensembles in rat prelimbic cortex encode initial and maintained cocaine seeking in rats.

8:30 AM - 10:30 AM
Location: Poster #93
Speaker: Brandon Warren

Inhibitory Brain Dynamics for Adaptive Behaviour: The Role of GABAergic Neurotransmission in Orientation Discrimination based Visual Perceptual Learning

8:30 AM - 10:30 AM
Location: Poster #94
Speaker: Matthew Bailey

Impact of Early Postnatal Environment on Auditory Processing and Sensorimotor Gating in Cntnap2 knockout rats.

8:30 AM - 10:30 AM
Location: Poster #95
Speaker: Susanne Schmid

Noradrenergic and cholinergic mediation of coping responses to stress

8:30 AM - 10:30 AM
Location: Poster #96
Speaker: Alexa Soares

Effects of cocaine on cognitive performance in female rats: influence of natural fluctuations in ovarian hormones

8:30 AM - 10:30 AM
Location: Poster #97
Speaker: Tracie Paine

Low dose methylphenidate modulates risky decision making and prefrontal catecholamine regulation in a sex-dependent manner following repeated mild traumatic brain injury.

8:30 AM - 10:30 AM
Location: Poster #98
Speaker: Eleni Papadopoulou

The role of the ventral pallidum in male rat sexual behavior

8:30 AM - 10:30 AM
Location: Poster #99
Speaker: Eelke Snoeren

Role of dopamine inhibition in punishment resistant reward seeking behavior.

8:30 AM - 10:30 AM
Location: Poster #100
Speaker: Nkatha Mwenda

Antagonism of TRPV1 receptors associated with FAAH inhibition is necessary to facilitate impaired fear extinction in iNOS KO mice

8:30 AM - 10:30 AM
Location: Poster #101
Speaker: Sabrina Lisboa

Early life consumption of a "processed" diet impairs memory function and alters the gut microbiome in rats

8:30 AM - 10:30 AM
Location: Poster #102
Speaker: Anna Hayes

PDE4B activity is necessary for the cross-sensitization between binge-eating and -drinking.

8:30 AM - 10:30 AM
Location: Poster #103
Speaker: Lauren Madory

Identification of an appeasing pheromone that ameliorates fear responses in laboratory and wild brown rats.

8:30 AM - 10:30 AM

Location: Poster #104
Speaker: Yasushi Kiyokawa

Dendritic spines of hippocampal CA1 pyramidal neurons as discriminators of aversive, contextual, and associative information

8:30 AM - 10:30 AM

Location: Poster #105
Speaker: Roberto A. Prado-Alcalá

Alprazolam impairs fear memory and alters dorsoventral CA1 neuronal ensembles in female mice

8:30 AM - 10:30 AM

Location: Poster #106
Speaker: Kameron Kaplan

The effects of extended cocaine on mGluR2 expression.

8:30 AM - 10:30 AM

Location: Poster #107
Speaker: Rick E. Bernardi

Acute sleep loss elevates hedonic responding for sucrose reward: Effects of biological sex and circadian timing.

8:30 AM - 10:30 AM

Location: Poster #108
Speaker: Joel Raymond

Neurobiological markers of social variability in congenic mice: emergence of individual personality traits.

8:30 AM - 10:30 AM

Location: Poster #109
Speaker: Nastasia Mirofle

Sex-specific Neuroadaptive Responses to Early-Life Stress: Insights from a Probabilistic Reversal Learning Task in Rats

8:30 AM - 10:30 AM

Location: Poster #110
Speaker: Olivia Stupart

Characterization of emotional, cognitive and social behavior of Shank2-deficient mice

8:30 AM - 10:30 AM

Location: Poster #111
Speaker: Fendt, Markus

Asprosin signaling in the cerebellum modulates thirst.

8:30 AM - 10:30 AM

Location: Poster #112
Speaker: Ila Mishra

Multi-symptomatic model of individual variation in heroin vulnerability reveals distinct genetic and neuronal adaptations of susceptibility in rats

8:30 AM - 10:30 AM

Location: Poster #113
Speaker: Brittany Kuhn

BDNF hyposignaling in somatostatin interneurons induces active coping in mice via altered prefrontal and insular cortical network function

8:30 AM - 10:30 AM

Location: Poster #114
Speaker: Mate Toth

Long-term effects of gestational exposure to medication for opioid use disorder: Neural correlates underlying offspring feeding dysregulation

8:30 AM - 10:30 AM

Location: Poster #115
Speaker: Kelsea Gildawie

Astrocytic glutamine synthetase in spatial working memory in rats.

8:30 AM - 10:30 AM

Location: Poster #116
Speaker: Chloe Mengden

Manipulating the oxytocinergic system affects trust-like behavior in C57BL/6J mice

8:30 AM - 10:30 AM

Location: Poster #117
Speaker: Samuel Budniok

Towards establishing a cocaine preference model in Drosophila melanogaster.

8:30 AM - 10:30 AM

Location: Poster #118
Speaker: Isabella Balles

Measuring the rewarding properties of safety signals in an avoidance task in rats.

8:30 AM - 10:30 AM

Location: Poster #119
Speaker: Laura Vercammen

Histone H1x in mouse ventral hippocampus associates with, but does not cause behavioral adaptations to stress

8:30 AM - 10:30 AM

Location: Poster #120
Speaker: Kijoon Kim

The dopaminergic encoding of visual stimuli in the striatum

8:30 AM - 10:30 AM

Location: Poster #121
Speaker: L. Sofia Gonzalez

Investigating behavioral correlates of dyadic emotional synchrony during face-to-face interactions

8:30 AM - 10:30 AM
Location: Poster #122
Speaker: Andreane Lavallee

Potential involvement of central amygdala mu-opioid receptors in the anxiolytic-like effect of oxytocin in mice

8:30 AM - 10:30 AM
Location: Poster #123
Speaker: Khalin Nisbett

Behavioral And Neuropsychiatric Changes In Female Rats Induced By The D-galactose Accelerated Aging Model

8:30 AM - 10:30 AM
Location: Poster #124
Speaker: Rodrigo Castro

Neuroprotective effect of Brain Decellularized Extracellular Matrix in an In Vitro Stroke Model

8:30 AM - 10:30 AM
Location: Poster #125
Speaker: Bernardino Denis

Associations between resting-state functional connectivity of the locus coeruleus and anhedonia symptoms in individuals with depression

8:30 AM - 10:30 AM
Location: Poster #126
Speaker: Gimarie Irizarry

Sapap3 knockout mice show threat bias under conflict during platform mediated avoidance task: implications for obsessive compulsive disorder

8:30 AM - 10:30 AM
Location: Poster #127
Speaker: Lizzie Manning

Morphological and Behavioral Characterization of a Rat CCL-1 Overexpression Model

8:30 AM - 10:30 AM
Location: Poster #128
Speaker: Kevin Mata

Functional dissection of a novel pathway linking stress and action control systems: Hypothalamic corticotrophin-releasing hormone (CRH) neuron projection to the globus pallidus externa (GPe).

8:30 AM - 10:30 AM
Location: Poster #129
Speaker: Aidan Price

Relapse normalizes altered excitability and plasticity in the corticoaccumbens pathway following heroin abstinence.

8:30 AM - 10:30 AM
Location: Poster #130
Speaker: Saurabh Kokane

Social instability interferes with fear elevation in adults but not adolescents.

8:30 AM - 10:30 AM
Location: Poster #131
Speaker: Rachel Parker

Age-associated changes in social cognition in a Long-Evans rat model

8:30 AM - 10:30 AM
Location: Poster #132
Speaker: Subhadeep Dutta Gupta

Altered post stress coping and reward seeking behaviours in chronically stressed mice

8:30 AM - 10:30 AM
Location: Poster #133
Speaker: Laura Stanton

Bridging environmental enrichment with amantadine after controlled cortical impact injury in adult male rats.

8:30 AM - 10:30 AM
Location: Poster #134
Speaker: Andrew Victoria

Miniaturization in parasitoid wasps: anatomical reconstruction and allometric analysis utilizing immunofluorescence markers

8:30 AM - 10:30 AM
Location: Poster #135
Speaker: Armando Castillo

Paraventricular nucleus of thalamus connectivity in emotional circuit maturation

8:30 AM - 10:30 AM
Location: Poster #136
Speaker: Bianca Leonard

Alprazolam (Xanax) exposure during adolescence dysregulates reward sensitivity and exacerbates spontaneous morphine withdrawal

8:30 AM - 10:30 AM
Location: Poster #137
Speaker: Carlos Bolanos

Quantifying hippocampal-prefrontal circuit engagement using LFP, surface EEG, and the Paired Associates Learning task.

8:30 AM - 10:30 AM

Location: Poster #138
Speaker: Cristina Besosa

Associations between interoceptive stimulus control and morphine self-administration.

8:30 AM - 10:30 AM
Location: Poster #139
Speaker: Shihui Huang

Transcranial direct current stimulation in PTSD: A pilot study on symptom reduction and cortical activity changes

8:30 AM - 10:30 AM
Location: Poster #140
Speaker: Jamie Bushman

Dopamine and reward: A novel mechanism contributing to the cognitive enhancing effects of psychedelics

8:30 AM - 10:30 AM
Location: Poster #141
Speaker: Felicia Reed

Participation of the neurodevelopmental disorder associated gene MYT1L in behaviors related to the hypothalamus

8:30 AM - 10:30 AM
Location: Poster #142
Speaker: Susan Maloney

Characterization of autism-relevant phenotypes in the Neurofibromatosis Type 1 precision mouse models

8:30 AM - 10:30 AM
Location: Poster #143
Speaker: Katie McCullough

Modafinil increases motivation and modulates an EEG biomarker of progressive ratio breakpoint in humans.

8:30 AM - 10:30 AM
Location: Poster #144
Speaker: Tyler Dexter

This is the title of my abstract: Assessment of Neurodevelopment in Two-Year-Old Toddlers Born to Mothers With and Without SARS-CoV-2 Infection During Pregnancy in the COMBO Initiative.

8:30 AM - 10:30 AM
Location: Poster #145
Speaker: Imaal Ahmed

Emotional, cognitive and molecular predictors of comorbid anxiety and depression.

8:30 AM - 10:30 AM
Location: Poster #146
Speaker: Diána Pejtsik

Parallel Maturation of Instrumental Action Flexibility and Cortical Neurotrophin Systems

8:30 AM - 10:30 AM
Location: Poster #147
Speaker: Aryanna Wiggins-Gamble

Investigating the Contribution of the Cerebellar Dentate Nucleus to Cognitive Processing

8:30 AM - 10:30 AM
Location: Poster #148
Speaker: Yoheilly Velazquez

Effects of prenatal SARS-CoV-2 infection on postpartum cognitive functioning among women enrolled in the COVID-19 Mother Baby Outcomes (COMBO) Initiative.

8:30 AM - 10:30 AM
Location: Poster #149
Speaker: Vitoria Chaves

Inhibitory actions of sildenafil on the monoamine transporter DAT supports dual memory effects in young rats, in acute and chronic treatments

8:30 AM - 10:30 AM
Location: Poster #150
Speaker: Maria Florencia Constantin

Assessment of behavior after an experimental procedure in BALB/c, C57BL/6 mice and Sprague Dawley rats influenced by environmental enrichment.

8:30 AM - 10:30 AM
Location: Poster #151
Speaker: Rosa De Jesus

The novel sigma 1 receptor antagonist PW507 reduces binge-like eating and motivated responding for palatable food in female rats maintained on a high fat diet

8:30 AM - 10:30 AM
Location: Poster #152
Speaker: Abanoub Armanious

Phenotyping the G41S mouse model of adult-onset Krabbe Disease.

8:30 AM - 10:30 AM
Location: Poster #153
Speaker: Joshua Dearborn

D-amphetamine engages addiction circuits at doses that suppress binge-like eating.

8:30 AM - 10:30 AM
Location: Poster #154
Speaker: Lud Milca Ceus

Spatial vs. associative learning: conservation of behavioral strategies across testing

domains in normal aging?

8:30 AM - 10:30 AM
Location: Poster #155
Speaker: Samantha Smith

Toward characterizing the Pavlovian discriminative stimulus effects of morphine in rats.

8:30 AM - 10:30 AM
Location: Poster #156
Speaker: Jenn Murray

Characterising serotonin and melanocortin receptor agonists for promoting social motivation in rats.

8:30 AM - 10:30 AM
Location: Poster #157
Speaker: Nick Everett

Ventral hippocampal contributions to habit execution

8:30 AM - 10:30 AM
Location: Poster #158
Speaker: Janhavi Bhalerao

Social investigation induces converging brain activity phenotypes in Cntnap2-null and Fmr1-null mice

8:30 AM - 10:30 AM
Location: Poster #159
Speaker: Aishwarya Patwardhan

Comparison of the iGluR correlates of incubated cocaine and sucrose craving within the mPFC

8:30 AM - 10:30 AM
Location: Poster #160
Speaker: Laura Huerta Sanchez

Anxiety-related behavior and brain activation during social fear memory in male rats

8:30 AM - 10:30 AM
Location: Poster #161
Speaker: Marianella Masis

Aged male rats exhibit progressive deterioration in cognitive function following binge-like alcohol exposure

8:30 AM - 10:30 AM
Location: Poster #162
Speaker: Alexis Campanile

Applying the allostasis model of addiction to binge eating disorder: behavioral and neurobiological insights

8:30 AM - 10:30 AM
Location: Poster #163
Speaker: Morgan James

Activity changes in the insula–anteroventral bed nuclei pathway bias rats toward different types of behavioral passivity.

8:30 AM - 10:30 AM
Location: Poster #164
Speaker: Dalton Hinz

10:30 AM - 11:00 AM

Break

11:00 AM - 1:00 PM

Symposium: Understanding Defensive Avoidance: Insights into Neural Circuits and Behavior

Location: Westin Grand 1&2
Chair: Alba López-Moraga, Christian Bravo-Rivera

Chronic stress as a trigger for the dysregulation of active avoidance in male and female rats

11:00 AM - 11:30 AM
Speaker: Alba López-Moraga

Investigating the role of the anterior cingulate cortex during platform-mediated active avoidance learned within a social context.

11:30 AM - 12:00 PM
Speaker: Maria Diehl

Neural circuits mediating reward approach and punishment avoidance conflict

12:00 PM - 12:30 PM
Speaker: Christian Bravo-Rivera

Corticothalamic circuits regulating defensive avoidance behavior in rats

12:30 PM - 1:00 PM
Speaker: Guillermo Aquino Miranda

11:00 AM - 1:00 PM

Symposium: Impact of the locus coeruleus-norepinephrine system on neocortical circuits controlling executive function and motor behavior

Location: Magnolia Room
Chair: Daniel Chandler

Locus coeruleus norepinephrine neurons facilitate orbitofrontal cortex remapping and behavioral flexibility.

11:00 AM - 11:30 AM
Speaker: Cameron Ogg

Locus coeruleus output impacts task-dependent organization of primary motor cortex

11:30 AM - 12:00 PM
Speaker: Catherine Thorn

Chronic in vivo two-photon imaging of cortical noradrenaline reveals altered spatiotemporal release dynamics during motor learning in a mouse model of autism

12:00 PM - 12:30 PM
Speaker: Nate Jones

Dynamics of locus coeruleus activity supporting sensorimotor learning

12:00 PM - 12:30 PM
Speaker: Vincent Breton-Provencher

11:00 AM - 1:00 PM

Symposium: Translational approaches for understanding the neurobiology of compulsions, compulsivity and habits in mental illness

Location: Westin Grand 3
Chair: Lizzie Manning, Jess Nithianantharajah

Discriminating habits from a loss of goal-directed control using stimulus-specific behavior

11:00 AM - 11:30 AM
Speaker: Karly Turner

Identifying underpinnings of persistent detrimental behaviour using a cross-species conditioned punishment task

11:30 AM - 12:00 PM
Speaker: Philip Jean-Richard-dit-Bressel

Behavioural Inflexibility – Striatal Disturbances in Substance Use Disorder and Obsessive-Compulsive Disorder

12:00 PM - 12:30 PM
Speaker: Isabel Chew

Debate: Deconstructing Compulsivity

12:30 PM - 1:00 PM

1:00 PM - 2:30 PM

Lunch On Your Own

2:30 PM - 3:30 PM

Keynote: Serotonin x environment: For better and for worse

Location: Westin Grand 1&2
Speaker: Judith Homberg ; Chair: Jess Nithianantharajah

3:30 PM - 4:30 PM

Break

4:30 PM - 5:30 PM

Education and Training Committee Symposia: Promoting student and faculty success by integrating research and teaching

Location: Magnolia Room
Speaker: Philip Jean-Richard-dit-Bressel

5:30 PM - 6:30 PM

Hot Topic Panel Discussion: Artificial Intelligence in Behavioral Neuroscience: Supportive Tool or Another source of poorly interpreted behavioral data?

Location: Westin Grand 3
Chair: Stacey Sukoff Rizzo, Jill Silverman

6:00 PM - 10:00 PM

Dinner On Your Own

Sat, Jun 15, 2024

8:30 AM - 9:30 AM

Special Lecture: Augmentation of Cognitive Brain Functions with Transcranial Infrared Stimulation

Location: Westin 1&2
Speaker: Francisco Gonzalez-Lima ; Chair: Anthony E Kline, PhD

9:30 AM - 10:00 AM

Break

10:00 AM - 12:00 PM

Symposium: Heterogeneous influences on social behavior networks

Location: Westin Grand 1&2

Chair: Ben Rood, Millie Rincón-Cortés

Environmental influences on motivated maternal behavior and dopamine neuron function

10:00 AM - 10:30 AM

Speaker: Millie Rincón-Cortés

Role of dorsal raphe Avpr1a-expressing neurons in social interaction

10:30 AM - 11:00 AM

Speaker: Ben Rood

Regulation of male social interest by vasopressin system circuitry

11:00 AM - 11:30 AM

Speaker: Aras Petruilis

Oxytocin and vasopressin signaling in embryonic development impacts displays of social behavior in adulthood

11:30 AM - 12:00 PM

Speaker: Heather Caldwell

10:00 AM - 12:00 PM

Symposium: Role of dopamine in reward-seeking behavior

Location: Magnolia Room

Chair: Claudio Da Cunha

Does mesolimbic dopamine promote reward seeking by increasing arousal?

10:00 AM - 10:30 AM

Speaker: Saleem Nicola

Activity of nucleus accumbens neurons during reward approach behavior.

10:30 AM - 11:00 AM

Speaker: Claudio Da Cunha

Region-specific Nucleus Accumbens Dopamine Signals Encode Distinct Aspects of Avoidance Learning

11:00 AM - 11:30 AM

Speaker: Talia Lerner

Modulatory effects of neurosteroids and benzodiazepines on dopamine release in the nucleus accumbens

11:30 AM - 12:00 PM

Speaker: William N Sanchez

10:00 AM - 12:00 PM

Symposium: Running between bench and bedside: Insight into the effects of exercise on cognition from rodents and humans

Location: Westin Grand 3

Chair: Jonathan Epp, Cindy Barha

Exercise effects on stress resilience and cognition in mice; a potential role for Δ FOSB

10:00 AM - 10:24 AM

Speaker: Martine Heleen Hardonk

Running-induced neurogenesis mediates contextual memory reorganization

10:24 AM - 10:48 AM

Speaker: Dylan Terstege

Running for brain gains: moderators and mediators of aerobic exercise efficacy for cognition.

10:48 AM - 11:12 AM

Speaker: Cindy Barha

Sex differences in exercise-induced cognitive changes and brain remodeling.

11:12 AM - 11:36 AM

Speaker: Paula Duarte Guterman

Perceived stress is associated with poorer hippocampal-dependent memory but not activity during encoding in late adulthood

11:36 AM - 12:00 PM

Speaker: Cristina Molina-Hidalgo

12:00 PM - 1:30 PM

Lunch On Your Own

1:30 PM - 2:30 PM

Empowering Diversity: Fostering Success for Minority Groups in Science

Location: Westin Grand 3

Chair: Christian Bravo-Rivera

2:30 PM - 4:30 PM

Symposium: Hormones, Sex and Neuroplasticity: A life of changes and their implications for behavior and health

Location: Westin Grand 1&2
Chair: Elena Choleris, Karyn Frick

Sex, Stress and Aging: Differential Risks for Dementia.

2:30 PM - 3:00 PM
Speaker: Liisa Galea

Sex differences and memory: Males and females accomplish the same ends through different means

3:00 PM - 3:30 PM
Speaker: Karyn Frick

Brain networks of hormone/neuropeptide modulation of social cognition in males and females

3:30 PM - 4:00 PM
Speaker: Elena Choleris

Sex differences in cognitive impairment after ischemic stroke

4:00 PM - 4:30 PM
Speaker: Farida Sohrabji

2:30 PM - 4:30 PM

Symposium: The Role of the Microbiota-Gut-Brain Axis In Modulating Complex Behaviors

Location: Magnolia Room
Chair: Melanie Gareau, Jill Silverman

Gut-brain signaling as a modulator of brain and behavior in models of substance use disorder.

2:30 PM - 3:00 PM
Speaker: Drew Kiraly

Neonatal development of the microbiota-gut-brain axis.

3:00 PM - 3:30 PM
Speaker: Melanie Gareau

GI Dysfunction in the Genetic Neurodevelopmental Disorder Angelman Syndrome

3:30 PM - 4:00 PM
Speaker: Jill Silverman

Why does brain development rely on the microbiome?

4:00 PM - 4:30 PM
Speaker: Eldin Jasarevic

2:30 PM - 4:30 PM

Symposium: Neural drivers of reward seeking across distinct classes of drug and reward

Location: Westin Grand 3
Chair: Elizabeth West, Travis Moschak

Interactions between the prelimbic cortex and anterior insula in behavioral predictors of addiction vulnerability.

2:30 PM - 3:00 PM
Speaker: Travis Moschak

A loss of function in 5-HT signaling in the orbitofrontal cortex following binge drinking drives continued and excessive alcohol use

3:00 PM - 3:30 PM
Speaker: Melanie Pina

Restoration of a paraventricular thalamo-accumbal behavioral suppression circuit prevents reinstatement of heroin seeking.

3:30 PM - 4:00 PM
Speaker: Jacqueline Paniccia

The effects of high-fat diet on motivation and nucleus accumbens dopamine signaling .

4:00 PM - 4:30 PM
Speaker: Elizabeth West

4:30 PM - 5:00 PM

Break

5:00 PM - 6:00 PM

Bench-to-Bedside Keynote: Mapping Emotions

Location: Westin Grand 1&2
Speaker: Kafui Dzirasa ; Chair: Eelke Snoeren

6:00 PM - 6:30 PM

IBNS Business Meeting

Location: Westin Grand 1&2

6:30 PM - 7:00 PM

Break

7:00 PM - 11:30 PM

Awards Banquet

Location: Seascape

Sun, Jun 16, 2024