

Spring Brain Conference 2019
Poco Diablo Resort, Sedona, AZ
Flagstaff / Prescott Room
Conference Program

Wednesday April 10	
4:00 pm - 6:00pm	Community Outreach Session (Lay audience presentations for the local community, open to everyone who wishes to attend. Discussion will follow each presentation)
4:00 pm - 5:00pm	Dimitrios Davalos (Cleveland Clinic) <i>Switching the lights on the living brain: How new imaging technologies are helping us understand brain processes in health and disease: insights in Multiple Sclerosis research</i>
5:00 pm - 6:00pm	Justin Lathia (Cleveland Clinic) <i>Advances in brain tumor biology and treatments</i>
Thursday April 11	
4:00 pm - 6:00 pm	Arrival and Check-in
5:30 pm - 6:15 pm	Opening Reception (Cash Bar)
6:15 pm - 6:30 pm	Welcome and Opening Remarks Maureen McEnery (Case Western Reserve University) Kori Brewer (East Carolina University)
6:30 pm - 7:00 pm	Buffet Dinner
7:00 pm - 8:00 pm	Keynote Session 1: Justin Lathia (Cleveland Clinic) <i>Role of sex differences in altering the immune response in glioblastoma</i>
Friday April 12th	
8:00 am - 8:30 am	Buffet Breakfast
8:45 am - 10:00 am	Plenary Session 1: Neuroimmune Mechanisms in Health and Disease Chair: Dimitrios Davalos (Cleveland Clinic)
8:45 am - 9:10 am	Timothy Hammond (Beth Stevens lab, Harvard University) <i>Redefining microglia states in health and disease</i>
9:10 am - 9:35 am	Dimitrios Davalos (Cleveland Clinic) <i>Microglial responses and Blood-Brain barrier disruption in neuroinflammatory disease</i>
9:35 am - 10:00 am	Antoine Louveau (Cleveland Clinic) <i>Modulation of neurological disorders by the lymphatic system</i>
10:00 am - 10:30 am	Coffee Break
10:30 am - 11:45 am	Plenary Session 2: Pain, Motivation and Cognition Chair: Edita Navratilova (University of Arizona)

10:30 am - 10:55 am	Michael Heien (University of Arizona) <i>Methods for assessment of dopamine release in the brain with different timescales and resolutions</i>
10:55 am - 11:20 am	Edita Navratilova (University of Arizona) <i>Mesolimbic and mesocortical dopamine circuits in pain</i>
11:20am - 11:45 am	Caroline Phelps (University of Arizona) <i>Chronic pain and cognitive flexibility</i>
11:45 am - 12:00 pm	Lunch serving (buffet)
12:00 pm - 1:15 pm	Plenary Session 3 (over Lunch): Neurotoxins as Treatments Chair: Baldomero Olivera (University of Utah)
12:00 pm - 12:20 pm	Amol Patwardhan (University of Arizona) <i>Contulakin-G: A non-opioid analgesic with a unique mechanism of action. Did you still want to use yours?</i>
12:20 pm - 12:55 pm	Mario Giacobassi, Lee Leavitt, Rishi Alluri (Baldomero Olivera Lab, University of Utah) <i>Using Conopeptides to Define and Characterize Neuronal Subclasses</i>
12:55 pm - 1:15 pm	Shrinivasan Raghuraman (University of Utah) <i>Looking for Inspiration: Probing Cell Types in the Mouse Ventral Respiratory System</i>
1:15 pm - 6:00 pm	Free Time & Recreation
6:00 pm - 7:00 pm	Oral Presentations Selected from Abstracts
6:00 pm - 6:20pm	Ashley Schnider (Karen Moxon Lab, University of California, Davis) <i>Neuropathic pain following mid-thoracic moderate spinal cord contusion injury</i>
6:20 pm - 6:40 pm	Hisakatsu Ito (Frank Porreca Lab, University of Arizona) <i>Disruption of sleep from chronic neuropathic pain in mice is improved by a kappa opioid receptor antagonist</i>
6:40 pm - 7:00 pm	M. Bruce McIver (Stanford University) <i>5-HT modulation of cortical oscillations are similar in freely moving rats and in rat brain slices</i>
7:00 pm - 7:30 pm	Buffet Dinner
7:30 pm - 8:30 pm	Keynote Session 2: Nozomi Nishimura (Cornell University) <i>In vivo Microscopy Studies of Blood Flow and Inflammation in Alzheimer's Disease</i>
Saturday April 13th	
7:00 am - 7:30 am	Buffet Breakfast
7:30 am - 8:45 am	Plenary Session 4: Long-lasting consequences of prenatal drug exposure: from animal to human Chair: Jeff Joyce (Florida State University)
7:30 am - 8:08 am	Gregg Stanwood (Florida State University) <i>Long-lasting consequences of prenatal drug exposure: from animal to human</i>
8:08 - 8:45 am	Devon Graham (Florida State University) <i>Psychostimulant-induced neurodevelopmental deficits and underlying receptor mechanisms</i>

8:45 am - 10:00 am	Plenary Session 5: <i>Epigenetic mechanisms of cocaine abuse-related behaviors</i> Chair: Janet Neisewander (Arizona State University)
8:45 am - 9:10 am	Janet Neisewander (Arizona State University) <i>Searching for microRNAs involved in cocaine abuse-related genes and behaviors</i>
9:10 am - 9:35 am	Nora Perrone-Bizzozero (University of New Mexico) <i>Novel role of circHomer1 in synaptic plasticity and cocaine seeking</i>
9:35 am - 10:00 am	Tod Kippin (University of California, Santa Barbara) <i>Impact of cocaine intake and withdrawal on gene expression and DNA methylation in the prefrontal cortex</i>
10:00 am - 10:30 am	Coffee Break
10:30 am - 11:45 am	Plenary Session 6: <i>Mechanisms of Memory Consolidation</i> Chair: Jim McGaugh (University of California, Irvine)
10:30 am - 10:55 am	Jim McGaugh (University of California, Irvine) <i>Hormonal and Brain Processes Regulating Memory Consolidation</i>
10:55 am - 11:20 am	Gina Quirate (National Autonomous University of Mexico) <i>Glucocorticoids in the striatum modulate procedural memory</i>
11:20 am - 11:45 am	Patrizia Campolongo (Sapienza University of Rome) <i>Endocannabinoid modulation of memory consolidation</i>
11:45 am	Lunch (Pick up Box Lunches)
12:00 pm - 5:30 pm	Free Time & Recreation
5:30 pm - 6:15 pm	Poster Session and Evening Reception (Cash Bar)
6:15 pm - 7:00 pm	Business Meeting
7:00 pm - 7:30 pm	Buffet Dinner
7:30 pm - 8:30 pm	Keynote Session 3: Zoltan Mari (Cleveland Clinic Lou Ruvo Center for Brain Health) <i>Neuroprotective and Disease Modifying Therapies in Parkinson's Disease</i>
Sunday April 14th	
7:00 am - 7:30 am	Buffet Breakfast
7:30 am - 8:45 am	Plenary Session 7: <i>Stem Cells in Neuroscience</i> Chair: Timothy Blenkinsop (Icahn School of Medicine at Mount Sinai)
7:30 am - 7:55 am	Timothy Blenkinsop (Icahn School of Medicine at Mount Sinai) <i>Retinal pigment epithelium born plasticity</i>
7:55 am - 8:20 am	Erzsebet Kokovay (University of Texas Health, San Antonio) <i>Microglia regulation of adult neural stem cells: through the ages</i>
8:20 am - 8:45 am	Nathan Boles (Neural Stem Cell Institute) <i>Identifying windows of susceptibility using transcriptomics</i>
8:45 am - 10:00 am	Plenary Session 8: <i>Data-driven Computational Approaches to Brain Analysis & Stimulation</i> Chair: Sabato Santaniello (University of Connecticut)

8:45 am - 9:10 am	Macauley Breault (Sridevi Sarma Lab, Johns Hopkins University) <i>Neural Correlates of Internal States that Capture Movement Variability</i>
9:10 am - 9:35 am	Eleftheria Pissadaki , (BIOGEN) <i>A multi-disciplinary approach to Parkinson's disease: from neurons to systems</i>
9:35 am - 10:00 am	Sabato Santaniello (University of Connecticut) <i>Computational Modeling and Network-wide Oscillations in Movement Disorders: The case of Cerebellum and Essential Tremor</i>
10:00 am - 10:30 am	Coffee Break
10:30 am - 11:45 am	Plenary Session 9: Epilepsy: More than just seizures Chair: Jon Willie (Emory University)
10:30 am- 11:08 am	Jon Willie (Emory University) <i>The good, the bad, and the ugly: the neuroscience of memory and PTSD through epilepsy patients</i>
11:08 am - 11:45 am	Daniel Drane (Emory University) <i>Dissecting human temporal lobe function, one ablation at a time</i>
11:45 am - 12:30 pm	Buffet Lunch and Final Reception
12:30 pm	Meeting Closes

Organizing Committee Contact Information:

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