

# Schedule

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## Thursday, September 10 (10:50am-5pm EDT/7:50am-2pm PDT)

10:50 - 11:00 a.m. EDT: [Opening Remarks](#) by Past President **Catharine Rankin** (Professor, University of British Columbia)

11:00 - 11:30 a.m. EDT: [Tribute to Robert Rescorla](#) presented by **Ruth Colwill** (Professor, Brown University)

11:30 a.m. - 12:30 p.m. EDT: [The Scientific Legacy of David Bucci](#), chaired by **Travis Todd**

**Travis Todd** (Research Assistant Professor, Dartmouth College): Introduction

**Michael Sadoris** (Assistant Professor, University of Colorado, Boulder): "Early life stress alters encoding in prefrontal cortical neurons during risk-reward conflict"

**Heidi Meyer** (Postdoctoral Fellow, Weill Cornell Medicine): "Examining the dissociable contributions of BDNF to adolescent and adult fear regulation"

**Kate Nautiyal** (Assistant Professor, Dartmouth College): "A role for reward sensitivity in the serotonin modulation of inhibition"

**\*\*Please consider donating to the [David Bucci Scholarship Fund](#)\*\***

12:30 - 12:45 p.m. EDT: Break

12:45 - 2:00 p.m. EDT: [Thalamic Regulation of Reward, Fear, and Stress Responses](#), chaired by **Fabricio Do Monte**

**Shelly Flagel** (Associate Professor, University of Michigan, USA): "The paraventricular thalamus as a neural switch underlying individual differences in cue-motivated behaviors"

**Mario Penzo** (Principal Investigator, National Institute of Health, USA): "The paraventricular thalamus biases the selection of passive and active fear"

**Jim Otis** (Assistant Professor, Medical University of South Carolina, USA): "Thalamostriatal activity dynamics and control of opioid seeking"

**Giuseppe Gianotti** (Postdoctoral Fellow, University of Colorado Denver, USA): "Paraventricular thalamic control of opioid withdrawal and relapse"

**Fabricio Do Monte** (Assistant Professor, University of Texas at Houston, USA): "A hypothalamic-thalamostriatal circuit for the regulation of approach-avoidance conflict"

2:00 - 2:45 p.m. EDT: [The Role of Basal Forebrain Cholinergic Neurons in Emotional Memory](#), chaired by **Dayan Knox**

**Laszlo Zarborszky** (Professor, Rutgers University): "Anatomy of basal forebrain cholinergic systems"

**Dayan Knox** (Associate Professor, University of Delaware): "The role of medial septal and diagonal bands of Broca cholinergic neurons in fear and extinction memory"

**Negin Mohammadmirzaei** (Graduate Student, University of Delaware): "The selective role of nbm corticopetal cholinergic neurons in fear conditioned suppression"

2:45 - 3:00 p.m. EDT: Break

3:00 - 4:00 p.m. EDT: [Stress and Diversity in Academia](#), panel discussion chaired by **Melissa Sharpe**

Featuring: **Shelly Flagel**, **Dayan Knox**, **Jamie Krueger**, **Abha Rajbhandari**, **Maddie Ray**, and **Geoff Schoenbaum**

4:00 - 5:00 p.m. EDT: Happy Hour and Breakout Room Discussions

Topics:

[Cross-species Collaborations to Advance Translational Neuroscience](#) hosted by **Jacklynn M. Fitzgerald**, **Mike Ragozzino**, and **Kate Webb**

[Increasing Public Science Communication by Scientists](#) hosted by **Brooke Dulka**

[Learning Mechanisms in Microaggressions](#) hosted by **Jackie Rose**

[Behaviour Systems Approaches](#) hosted by **Robert Bowers**

[Acquisition and the Learning Curve](#) hosted by **Peter Balsam** and **Ruth Colwill**

5:00 - 5:05 p.m. EDT: [Closing remarks](#) by Cathy Rankin

## Friday, September 11 (10:50am-5:30pm EDT/7:50am-2:30pm PDT)

10:50-11:00 a.m. EDT: [Opening Remarks](#) by President-Elect **Natalie Tronson** (Associate Professor, University of Michigan)

11:00 a.m. - 12:00 p.m. EDT: [Remembering David Bucci's Contributions to Science: Retrosplenial Cortical Contributions to Memory](#), chaired by **Steve Maren** (Professor, Texas A&M University)

**Fred Helmstetter** (Professor, University of Wisconsin-Milwaukee): "How does the retrosplenial cortex contribute to associative learning?"

**Rebecca Burwell** (Professor, Brown University): "Attention and the retrosplenial cortex"

**David Smith** (Professor, Cornell University): "A dual-factor code for the context in the retrosplenial cortex"

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12:00 - 1:00 p.m. EDT: [Brain and Body Mechanisms in Behavioral Functions](#), chaired by **Abha Rajbhandari**

**Christa McIntyre** (Associate Professor, University of Texas at Dallas): "Combating traumatic memories by engaging arousal systems with vagus nerve stimulation"

**Conor Liston** (Associate Professor, Weill Cornell Medicine): "Regulation of Pavlovian fear conditioning and learning-related plasticity by microbiota-derived signals"

**Wenfei Han** (Assistant Professor, Icahn School of Medicine at Mount Sinai): "A Brain-to-Gut circuitry for Pavlovian gastric secretion"

**Abha Rajbhandari** (Assistant Professor, Icahn School of Medicine at Mount Sinai): "Brain and body interactions via the sympathetic system in fear, stress and metabolism"

1:00 - 1:20 p.m. EDT: Break

1:20 - 2:20 p.m. EDT: [Cross-species Perspectives on Learning Social Cue Valence](#), chaired by **Maya Opendak**

**Nancy Padilla** (Postdoctoral Fellow, Salk Institute for Biological Sciences): "Elucidating how the medial prefrontal cortex encodes social dominance in mice"

**James Curley** (Associate Professor, University of Texas at Austin): "Social information use in mouse social hierarchies"

**Steve Chang** (Associate Professor, Yale University): "Prefrontal and amygdala correlates of self-other monitoring in spontaneous social gaze interaction"

**Maya Opendak** (Postdoctoral Fellow, NYU Langone Health and Nathan Kline Institute): "Developing amygdala circuits supporting infant social learning"

2:20 - 2:30 p.m. EDT: Break

2:30 - 4:30 p.m. EDT: Posters

Session 1: [Monoaminergic contributions to learning and memory](#) chaired by Melissa Sharpe

Session 2: [Prefrontal and amygdala contributions to reinforcement learning](#) chaired by Karyn Frick

Session 3: [Complex learning phenomena underlying motivated behavior](#) chaired by Jeff Wilson

Session 4: [Neurobiology of fear learning](#) chaired by Sydney Trask

Session 5: [Hippocampal contributions to conditioned fear](#) chaired by Michael Drew

Session 6: [The impacts of stress on future learning episodes](#) chaired by Natalie Tronson

Session 7: [New insights into behavioral phenomena: theoretical and technical advancements](#) chaired by Janine Kwapis

Session 8: [Neural and learning alterations seen in ageing and psychopathology](#) chaired by Cathy Rankin

Session 9: [Sex-specific differences in learning and behavior](#) chaired by Susan Sangha

4:30 - 5:30 p.m. EDT: Happy Hour and Breakout Room Discussions

Topics:

[Who Wants to be a Secretary/Treasurer?](#) hosted by **Jeff Wilson**

[Engrams in Pavlovian Conditioning and Beyond](#) hosted by **Michael Drew**, **Denise Cai**, **Christine Denny**, and **Steve Ramirez**

[Early Stage Investigators: Submitting NIH Grants](#) hosted by **Melissa Sharpe** and **Kate Wassum**

[Diversity and Inclusion in the Pavlovian Society](#) hosted by **Hayley Fisher** and **Jamie Krueger**

[Associative Learning Factors in Addictive Behavior](#) hosted by **Joseph Troisi**, **Lee Hogarth**, and **Mark Bouton**

5:30 - 5:40 p.m. EDT: [Closing remarks and announcements](#) by Natalie Tronson