



# WINTER CONFERENCE ON BRAIN RESEARCH

## 2025 Winter Brain Program Agenda

*\*All scheduled programming is subject to change.*

Friday, January 24, 2025		
6:00 PM – 6:30 PM	<b>Welcome Reception for Newcomers, Travel Fellows, and Mentors</b>	Grand Sierra Ballroom CD, Lobby Level
6:30 PM – 7:30 PM	<b>Welcome Reception (All are welcome!)</b>	Grand Sierra Ballroom ABCD, Lobby Level
Saturday, January 25, 2025		
7:00 AM – 8:00 AM	<b>Plenary Breakfast</b>	Grand Sierra Ballroom Foyer, Lobby Level
8:00 AM – 9:30 AM	<b>Conference Welcome and Plenary Address: Suzanne Dickson Ph.D. - <i>Delving Into the Brain's Orexinergic Systems</i></b>	Grand Sierra Ballroom ABCD, Lobby Level
9:45 AM – 11:15 AM	<b>Pioneer Session #1: Claude Wasterlain, M.D. - <i>Seizures Beget Seizures and Alter Behavior and Brain Development</i></b> Kerry Thompson (Chair), Claude Wasterlain (Pioneer), Lucie Suchomelova, David Naylor	Emigrant Peak AB, Conference Level
11:15 AM – 11:45 AM	<b>Panel Chair Training Session</b>	Monument Peak AB, Conference Level
2:00 PM – 3:30 PM	<b>Professional Development Session #1: <i>Navigating the Steps: Experience, Tips and Tools for Effective Scientific Advocacy</i></b> Erik Carlson (Chair), Suzanne Dickson, Mauricio Rangel Gomez, Debra Bangasser	Monument Peak AB, Conference Level
3:30 PM – 4:30 PM	<b>View Exhibits and Poster Session #1</b>	Alpine Ballroom AB, Lobby Level
4:30 PM – 6:30 PM	<b>Panel Sessions</b> <ul style="list-style-type: none"> <li><b><i>Carving New Trails: Early Life Adversity and its Impact on Mesocorticolimbic Circuit Plasticity and Behavioral Adaptations</i></b> Kuei Tseng, Debbie Bangasser, Sydney Woods, Jocelyn Breton (Chair)</li> <li><b><i>Deciphering What Astrocytes Do in the Brain</i></b> Matthew Wanat (Chair), Leanne Holt, Michael O'Dea, Michael Scofield</li> <li><b><i>Double Diamonds: New Insights Into Glutamate-dopamine Co-transmitting Neurons</i></b> Emily Prevost (Chair), Katlin Silm, Susana Mingote, Shelley Warlow</li> </ul>	Grand Sierra A, Lobby Level  Grand Sierra D, Lobby Level  Emigrant Peak AB, Conference Level

<p>4:30 PM – 6:30 PM</p>	<ul style="list-style-type: none"> <li>• <b><i>Improving Lives With Kappa Opioid Receptors - In Memoriam of Elena Chartoff</i></b> Zoe McElligott, Jessica Barson (Chair), Anushree Karkhanis (Co-Chair), Nicolas Massaly</li> <li>• <b><i>Integrative Visual Processing</i></b> Christopher Niell (Chair), Huizhong Tao, Aleena Garner, Evan Vickers, Jennifer Hoy</li> <li>• <b><i>Internal Brain Models for Emotion and Cognition Underlying Adaptive Behavior</i></b> Mazen Kheirbek (Co-Chair), Emily Sylwestrak, Francis Xia, Kei Igarashi, Joshua Johansen (Chair)</li> <li>• <b><i>Network Coordination and Function Orchestrated by Hippocampal Interneurons</i></b> Annabelle Singer, Daniel English, Sam McKenzie, Kamran Diba (Chair)</li> <li>• <b><i>The Importance of Age as a Confound in Traumatic Neural Injuries</i></b> Brett Hilton, Alexandra Byrne, Zin Khaing, Bethany Kondiles (Chair)</li> </ul>	<p>Grand Sierra B, Lobby Level</p> <p>Castle Peak AB, Conference Level</p> <p>Grand Sierra C, Lobby Level</p> <p>Pyramid Peak AB, Conference Level</p> <p>Monument Peak AB, Conference Level</p>
<p>6:30 PM – 7:00 PM</p>	<p><b>Evening Refreshment Break</b></p>	<p>Grand Sierra Ballroom Foyer, Conference Level &amp; Castle Foyer, Lobby Level</p>
<p>7:00 PM – 8:30 PM</p>	<p><b><u>Panel Sessions</u></b></p> <ul style="list-style-type: none"> <li>• <b><i>ROUNDTABLE: Career Development and Research Grants for Early Career Researchers in Neuroscience and Behavioral Research</i></b> Delany Torres (Chair), DeAnna Adkins, Nidia Quillinan, Erin Calipari</li> <li>• <b><i>Genetic Regulators of Opioid Behaviors and Opioid Use Disorders</i></b> Stephanie Puig (Chair), Tania Lintz, Samara Vilca, Camron Bryant (Co-Chair)</li> <li>• <b><i>Icy Social Dynamics and Cozy Connections: Illuminating Neural Circuits for Diverse Social Behavior States</i></b> Jenna McHenry (Chair), Nicholas Frost (Co-Chair), Devanand Manoli</li> <li>• <b><i>I Can See Clearly Now: Microscopy Advances and Applications</i></b> Elyssa Margolis (Chair), Marisela Morales, Laura Waller, Ian Oldenburg</li> <li>• <b><i>Impact of Developmental Cannabis Exposure on Neural Circuits and Behavior</i></b> Miguel Lujan (Chair), Laura Ornelas, Jacqueline-Marie Ferland</li> <li>• <b><i>Off-piste Investigations of Dopamine Function</i></b> Kate Wassum, Benjamin Saunders, Larry Zweifel, Melissa Sharpe (Chair)</li> </ul>	<p>Grand Sierra D, Conference Level</p> <p>Pyramid Peak AB, Conference Level</p> <p>Grand Sierra A, Lobby Level</p> <p>Monument Peak AB, Conference Level</p> <p>Grand Sierra C, Lobby Level</p> <p>Grand Sierra B, Conference Level</p>

7:00 PM – 8:30 PM	<ul style="list-style-type: none"> <li>• <b>WORKSHOP: Demystifying Coding in Neuroscience: A Beginner's Guide to Creating Data Workflows in Python and R</b> Abigail Schindler (Chair), Mitchell Spring, Christopher Lee, Adam Gordon-Fennell</li> <li>• <b>WORKSHOP: Pain and Spinal Cord Injury: Underlying Mechanisms and Impact on Functional Recovery</b> John Kramer (Chair), Andrew Gaudet, Michelle Hook, Paulina Scheuren</li> </ul>	Emigrant Peak AB, Conference Level  Castle Peak AB, Conference Level
<b>Sunday, January 26, 2025</b>		
6:30 AM – 8:30 AM	<b>Breakfast at Leisure</b>	
6:30 AM – 8:30 AM	<b>Board of Directors Meeting #1 (Invitation Only)</b>	<b>Tinkers Knob, Lobby Level</b>
7:30 AM – 9:30 AM	<p><b>Panel Sessions</b></p> <ul style="list-style-type: none"> <li>• <b>From Synapse to Shaft: The Slalom of Intracellular Calcium Regulation</b> Mark Dell'Acqua, Kristen Harris, Joris De Wit, Justin O'Hare (Chair)</li> <li>• <b>Innovations in Cerebellar Research: From Molecular Mechanisms to Behavioral Outcomes</b> Jessica Verpeut (Chair), Mikhail Kislin, Aaron Sathyanesan, Gerard Broussard, Timothy Balmer, Edward Ofori</li> <li>• <b>Multimodal Mechanisms Contributing to Traumatic Brain Injury Pathology and Potential Molecular Sites for Therapeutic Intervention</b> Cole Vonder Haar (Chair), Audrey Lafrenaye, Olga Kokiko-Cochran, Akiva Cohen, David Devilbiss, Abigail Schindler</li> <li>• <b>New Tools for Addiction Research: Emphasis on Sex Differences</b> Elizabeth Sneddon, Yolanda Campos-Jurado (Co-Chair), Gavin Vaughan, Jessica Higginbotham (Chair), Nicolas Massaly</li> <li>• <b>Neurobiological Mechanisms Underlying Fentanyl Withdrawal and Negative Affect Associated With Fentanyl</b> Adam Kimbrough (Chair), Yueyi Chen (Co-Chair), Anthony Downs, Megan Fox, Lisa Wooldridge</li> <li>• <b>Shining a Light on Neuroscience: New Frontiers With Fluorescent Protein-Based Sensors</b> Maribel Anguiano, Chunyang Dong (Co-Chair), Jacob Roshgadol (Chair), Pingchuan Ma</li> <li>• <b>Synaptic Control of Mesolimbic Dopamine Neurons Regulating Learning</b> Alexy Ostroumov (Co-Chair), Thomas Hnasko, Abigail Elerding, Joyce Woo (Chair), Michael Tadross, Miguel Lujan, Thomas Jhou</li> <li>• <b>Thalamic Neurodegeneration: Mechanisms and Clinical Implications</b> Marcela Pekna (Chair), Jeanne Paz, Shane Liddelow, Eunji Cheong (Co-Chair)</li> </ul>	<p>Castle Peak AB, Conference Level</p> <p>Grand Sierra C, Lobby Level</p> <p>Grand Sierra D, Lobby Level</p> <p>Grand Sierra B, Lobby Level</p> <p>Monument Peak AB, Conference Level</p> <p>Grand Sierra A, Lobby Level</p> <p>Emigrant Peak AB, Conference Level</p> <p>Pyramid Peak AB, Conference Level</p>
9:45 AM – 10:45 AM	<b>Diversity &amp; Inclusion Power Hour</b>	<b>Grand Sierra A, Lobby Level</b>
11:00 AM – 12:00 PM	<b>Inclusive Networking Coffee Hour</b>	<b>Grand Sierra A, Lobby Level</b>

3:00 PM – 3:30 PM	<b>Data Blitz</b> Anne Wells, Stephanie Lozano, Emily Castellanos, Xueling Zhang, Sophie Elvig, Brooke Bender	Grand Sierra A, Lobby Level
3:30 PM – 4:30 PM	<b>View Exhibits and Poster Session #2</b>	Alpine Ballroom AB, Lobby Level
4:30 PM – 6:30 PM	<p><b>Panel Sessions</b></p> <ul style="list-style-type: none"> <li>• <b><i>Adverse Experiences and Overcoming Their Consequences – Navigating the Bumps of Life</i></b> Connor McNulty (Chair), Jason Radley (Co-Chair), Jodi Lukkes, Jayme McReynolds</li> <li>• <b><i>Cellular and Computational Mechanisms for Central Auditory Processing</i></b> Robert Froemke (Chair), Maria Geffen (Co-Chair), Alfonso Junior Apicella, Michele Insanally, Lauren Kreeger, Robert Liu, Li Zhang</li> <li>• <b><i>Extended Amygdala Stress Neurocircuitry in Mice &amp; Humans</i></b> William Giardino (Chair), Layla Banihashemi, Sherod Haynes, Rajani Maiya</li> <li>• <b><i>FOS-tering Insight: Exploring Neural Mechanisms With Whole Brain cFos and Light Sheet Microscopy</i></b> Olivier George, Caitlyn Edwards (Chair), Amy Chan, Samuel Centanni</li> <li>• <b><i>Frontal Cortex Ensembles and Circuitry Underlying Adaptive and Maladaptive Reward Seeking</i></b> Cali Calarco (Chair), Katherine Savell, Briac Halbout, Rachel Clarke (Co-Chair)</li> <li>• <b><i>Heterogeneity of the Dorsal Raphe Nucleus: Regulation and Behavioral Implication</i></b> Marisela Morales (Co-Chair), Catherine Marcinkiewicz, Micaela Ruiz, Claire Deckers, Flavia Barbano (Chair)</li> <li>• <b><i>The Influence of Neuromodulators on Striatum and Learning Dynamics</i></b> Maxime Chevee (Chair), Christopher Zimmerman (Co-Chair), Safa Bouabid, Heejae Jang</li> <li>• <b><i>Unveiling Neurocircuitry Disruptions in Schizophrenia and Major Depressive Disorder: Insights Into Cortical Alterations, Gene Expression, and Sex-Specific Variations</i></b> Kirsten Schoonover (Chair), Thomas Hyde, Ryan Logan, Kevin Dowling</li> </ul>	<p>Grand Sierra D, Lobby Level</p> <p>Castle Peak AB, Conference Level</p> <p>Grand Sierra B, Lobby Level</p> <p>Monument Peak AB, Conference Level</p> <p>Grand Sierra C, Lobby Level</p> <p>Grand Sierra A, Lobby Level</p> <p>Emigrant Peak AB, Conference Level</p> <p>Pyramid Peak AB, Conference Level</p>
7:00 PM – 8:30 PM	<b>Brain Talk Town Meeting: Suzanne Dickson, Ph.D. - <i>Brainy Insights About Eating and Obesity</i></b>	Grand Sierra A, Lobby Level
9:00 PM – 11:00 PM	<b>Karaoke</b>	Iron Road Noodle House
<b>Monday, January 27, 2025</b>		
6:30 AM – 8:30 AM	<b>Breakfast at Leisure</b>	
6:30 AM – 8:00 AM	<b>Travel Fellow &amp; Mentor Breakfast</b>	Six Peaks Grille

7:30 AM – 9:30 AM	<p><b><u>Panel Sessions</u></b></p> <ul style="list-style-type: none"> <li>• <b><i>Analysis, Mechanisms, and Functions of Targeting AMPA-type Glutamate Receptors to Postsynaptic Nanodomains</i></b> Johannes Hell (Chair), Elva Diaz, Mary Horne, Martin Hruska, Graham Diering</li> <li>• <b><i>Brain Circuits Promoting Pain and Addiction</i></b> Trent Anderson (Chair), Edita Navratilova (Co-Chair), Elyssa Margolis, Stephanie Puig</li> <li>• <b><i>Carving New Trails in Dopamine Signaling: Investigating Dopamine Subpopulations and Their Role in Reward, Aversion, and Motivation Behaviors</i></b> Erin Calipari, Adam Gordon-Fennell (Chair), Lauren Faget, Stephan Lammel</li> <li>• <b><i>Dynorphin Signaling at Kappa Opioid Receptors in Substance Use</i></b> Sara Jones, Brendan Walker, Paul Phillips (Chair), Ream Al-Hasani</li> <li>• <b><i>Mechanisms and Regulation of Striatal Circuits</i></b> Chris Ford (Chair), Jacob Nadel, Christina Gremel, Andrew Yee, Nicolas Tritsch</li> <li>• <b><i>Novel Treatments for PTSD: Focus on Fear Conditioning as a Translational Model</i></b> Alaina Jaster (Chair), Samantha Ely (Co-Chair), Leah Mayo, Sam Woodburn, Sophie Rogers</li> <li>• <b><i>Physiology and Anatomy of the Brain Circuits of Mood: From Translational Neuroscience to New Therapies for Patients</i></b> Katherine Nautiyal, Davide Folloni (Chair), Lucas Trambaiolli, Shan Siddiqi, Philip Corlett</li> <li>• <b><i>Spatial Perception, Memory, and Navigation</i></b> Michael Goard (Chair), Emily Aery Jones, Isabel Muzzio, Douglas Nitz, Alex Keinath, Andy Alexander</li> </ul>	<p>Grand Sierra D, Conference Level</p> <p>Grand Sierra A, Lobby Level</p> <p>Grand Sierra B, Lobby Level</p> <p>Emigrant Peak AB, Conference Level</p> <p>Monument Peak AB, Conference Level</p> <p>Castle Peak AB, Conference Level</p> <p>Grand Sierra C, Lobby Level</p> <p>Pyramid Peak AB, Conference Level</p>
9:45 AM – 11:15 AM	<p><b>Pioneer Session #2: Allan Basbaum, Ph.D. - Contemporary Approaches to Spinal Cord Neuronal Processing</b></p> <p>Allan Basbaum (Pioneer), Elyssa Margolis (Chair), Charles Warwick, Samuel Pfaff</p>	<p>Grand Sierra B, Lobby Level</p>
2:00 PM – 3:30 PM	<p><b>Professional Development Session #2: Presenting Your Science and Yourself to Different Audiences</b></p> <p>Erik Carlson (Chair), Matt Carter, Morgan Johnson, David Barker</p>	<p>Grand Sierra A, Lobby Level</p>
3:30 PM – 4:30 PM	<p><b>View Exhibits and Poster Session #3</b></p>	<p>Alpine Ballroom AB, Lobby Level</p>
4:30 PM – 6:30 PM	<p><b><u>Panel Sessions</u></b></p> <ul style="list-style-type: none"> <li>• <b><i>Autopilot Gone Awry: Impacts of CNS Injury on the Autonomic Nervous System</i></b> Veronica Tom (Chair), Andrea Tedeschi, Warren Alilain, Patricia Ward, Jill Wecht</li> </ul>	<p>Pyramid Peak AB, Conference Level</p>

<p>4:30 PM – 6:30 PM</p>	<ul style="list-style-type: none"> <li>• <b><i>Developing the Next Generation of Mouse Models for Late-Onset Alzheimer’s Disease</i></b> Kim Green (Chair), Marcelo Wood, Angela Gomez-Arboledas, Giedre Milinkeviciute, Adrian Oblak, Paul Territo</li> <li>• <b><i>Factors That Synergistically Contribute to Poor Outcomes After Stress or Trauma</i></b> Makenzie Patarino (Chair), Rachel Rowe, Travis Hodges, Jodi Lukkes, Nathaniel Harnett</li> <li>• <b><i>Microdosing Psychedelics: Personal Stories, Neuroscience, and Cardiovascular Insights</i></b> Scott Thompson (Chair), Brian Chaplin, Hanna Molla, Mikael Palner, Devin Effinger</li> <li>• <b><i>Neural Circuits Underlying Maladaptive Feeding Disorders</i></b> Estefania Azevedo, Daniel Christoffel, Bridget Matikainen-Ankney (Chair), Richard O'Connor, Ames Sutton Hickey</li> <li>• <b><i>-Omics 4 Ways: Cross Species Translational Approaches in the Neurobiology of Psychiatric Disorders</i></b> Shinnyi Chou (Chair), Kyle Ketchesin, John Neumaier, Ryan Logan</li> <li>• <b><i>The Role of mRNA Trafficking and Translation in Cell-Type Specific Synaptic Plasticity</i></b> Sulagna Das, Jason Shepherd, Katharine Smith (Chair), Giordano Lippi</li> <li>• <b><i>Winter Chill: Navigating the Cold Truths of Chronic Pain and Substance Use Disorders</i></b> Lisa LaRowe, Taylor Fitzpatrick-Schmidt (Co-Chair), Catherine Cahill, Jessi Cucinello-Ragland (Chair)</li> </ul>	<p>Castle Peak AB, Conference Level</p> <p>Grand Sierra C, Lobby Level</p> <p>Monument Peak AB, Conference Level</p> <p>Grand Sierra A, Lobby Level</p> <p>Emigrant Peak AB, Conference Level</p> <p>Grand Sierra D, Lobby Level</p> <p>Grand Sierra B, Lobby Level</p>
<p>6:30 PM – 7:00 PM</p>	<p><b>Evening Refreshment Break</b></p>	<p>Grand Sierra Ballroom Foyer, Conference Level &amp; Castle Foyer, Lobby Level</p>
<p>7:00 PM – 8:30 PM</p>	<p><b><u>Panel Sessions</u></b></p> <ul style="list-style-type: none"> <li>• <b><i>Cannabinoids on the Menu: Interactions of Nutrition, Cannabinoids, and Nervous System Function</i></b> Bryan Jenkins (Chair), Catherine Hume, Marieka DeVuono, Joseph Pastina</li> <li>• <b><i>Emerging Data Implicating the Serotonin 5HT2c Receptor in Addiction-Related Behaviors Across Drug Classes</i></b> Meghan Flanigan (Chair), Ruixiang Wang, Matthew Pomrenze</li> <li>• <b><i>Immune Mechanisms Governing Repair and Recovery After Traumatic Spinal Cord Injury</i></b> Angela Filous, Gunnar Poplawski, Dylan McCreedy, Faith Brennan (Chair)</li> <li>• <b><i>Role of PAG in Opiate and Alcohol-Induced Hyperalgesia</i></b> Renata Marchette, Sean Farris, Tiffany Wills (Chair)</li> <li>• <b>SHORT COURSE: <i>Spatial Molecular Profiling: Methodological Considerations and Application to Brain Research</i></b> Candice Contet (Chair), Ramon Sun, Josh Morganti, Sean Bendall</li> </ul>	<p>Grand Sierra B, Lobby Level</p> <p>Castle Peak AB, Conference Level</p> <p>Emigrant Peak AB, Conference Level</p> <p>Pyramid Peak AB, Conference Level</p> <p>Grand Sierra D, Lobby Level</p>

7:00 PM – 8:30 PM	<ul style="list-style-type: none"> <li>• <b>SHORT COURSE: <i>Tutorials for Using Reinforcement Learning and Sequential Sampling Models</i></b> Katherine Nautiyal (Chair), Mark Laubach (Co-Chair) Mitchell Spring, Jensen Palmer, Nadja Ging-Jehli, Krishn Bera</li> <li>• <b><i>Synapse Elimination in Health and Disease</i></b> Nidia Quillinan (Chair), Alberto Cruz-Martin, Jesse Hanson, Yang Yang</li> <li>• <b><i>Vulnerabilities for the Development of Substance Misuse</i></b> Alexandra Potter (Co-Chair), Hugh Garavan (Chair), Bea Luna, Jacqueline-Marie Ferland</li> </ul>	<p>Monument Peak AB, Conference Level</p> <p>Grand Sierra C, Lobby Level</p> <p>Grand Sierra A, Lobby Level</p>
<b>Tuesday, January 28, 2025</b>		
6:30 AM – 8:30 AM	<b>Breakfast at Leisure</b>	
7:30 AM – 9:30 AM	<p><b><u>Panel Sessions</u></b></p> <ul style="list-style-type: none"> <li>• <b><i>A Signaling Slalom: Can Pathway Profiles Predict Pharmacology?</i></b> Amy Newman (Chair), Jennifer Whistler, Bradley Keegan, Susruta Majumdar, J. Robert Lane</li> <li>• <b><i>Bunny Hill or Black Diamond? How Neural Circuits Shape Positive and Negative Reinforcement in Mice</i></b> Allison Girasole (Co-Chair), Marc Fuccillo, Robyn St Laurent (Chair), Cristina María Ríos</li> <li>• <b><i>Developing Clinical-Systems Neuroscience Links in Psychiatric Diseases With Novel Behavioral Models</i></b> Songjun Li (Chair), Kristen Berendzen, Alfred Kaye, Joe Stujenske, AZA Allsop</li> <li>• <b><i>Entangled Neighbors: Functional Heterogeneity Within the Subthalamic and Parabrachial Nuclei in the Regulation of Motivated Behaviors</i></b> Nick Hollon (Chair), Matt Carter, Candice Contet (Co-Chair), Colin Hoy</li> <li>• <b><i>Linking Animal Behavior to Ongoing Biochemical Signaling Dynamics</i></b> Andrew Lutas (Chair), Tianyi Mao, Claire Gao, Lizzie Tilden, Sarah Melzer</li> <li>• <b><i>New Discoveries in Cannabinoid Research: Exploring Therapeutic Potential, Sex Differences, and Translational Implications for Pain and Affective Disorders</i></b> Stephanie Lee (Chair), Sachin Patel, Hannah Harris, Ziva Cooper</li> <li>• <b><i>New Tools to Study Glutamate Receptor Trafficking in Synaptic Transmission, Plasticity, Higher Brain Function and Neurodegenerative Disease</i></b> Angela Getz (Chair), Matthew Kennedy, Daniel Choquet, Johannes Hell</li> <li>• <b><i>Novel Insights on the Mechanisms Underlying Opioid-induced Overdoses</i></b> Erica Levitt, Jose Moron-Concepcion (Co-Chair), Catherine Demery-Poulos, Renata Marchette (Chair)</li> </ul>	<p>Monument Peak AB, Conference Level</p> <p>Grand Sierra D, Lobby Level</p> <p>Grand Sierra C, Lobby Level</p> <p>Castle Peak AB, Conference Level</p> <p>Grand Sierra A, Lobby Level</p> <p>Grand Sierra B, Lobby Level</p> <p>Pyramid Peak AB, Conference Level</p> <p>Emigrant Peak AB, Conference Level</p>
10:00 AM – 11:30 AM	<b>Smitty Stevens Ski Slalom (Extra Fee)</b>	
11:30 AM – 1:30 PM	<b>Mountain Lunch</b>	
		Ramp Run Trail
		Sun, Spa, and Iron Road Deck

3:30 PM – 4:30 PM	<b>View Exhibits and Poster Session #4</b>	<b>Alpine Ballroom, Lobby Level</b>
4:30 PM – 6:30 PM	<p><b><u>Panel Sessions</u></b></p> <ul style="list-style-type: none"> <li>• <b><i>Diversity of Peptide Signaling in the Midbrain</i></b> Marta Soden (Chair), Setareh Sianati, Aida Mohammadkhani, Daniel Castro, Sung Han</li> <li>• <b><i>Estrogen-Dependent Effects on Synaptic Function in Reward Circuits</i></b> Tara LeGates (Chair), Polymnia Georgiou (Co-Chair), Lillian Brady, Evan Bordt</li> <li>• <b><i>Mapping Effects of Unpredictable Early Life Experiences in Childhood: From Brain Circuits to Clinical Outcomes</i></b> Tallie Z. Baram, Elysia Davis, Laura Glynn, Victoria Risbrough (Chair)</li> <li>• <b><i>Neuroimmune, Transcriptomic and nCRNA Mechanisms of Alcohol Pathology</i></b> Marion Fiske, Laura Ferguson, Fulton Crews (Chair), Rajesh Miranda</li> <li>• <b><i>New Insights on Claustrum Role in Decision-Making, Pain Addiction, Pain, and Psychedelic Drug Effects</i></b> Yavin Shaham (Chair), Solange Brown, Anna Taylor, Ami Citri, Ken Negishi, Brian Mathur</li> <li>• <b><i>Salient Slalom: Dissociating Valence and Salience Encoding Across Neuronal Populations</i></b> Margaret Stelzner (Chair), Fergil Mills, Sean Piantadosi, David Root</li> <li>• <b><i>Sensory Disruption in Fragile X Syndrome and Related Autism Spectrum Disorders</i></b> Alexander Chubykin, Anna Vlasits, Leonard Kaczmarek, Lauren Ethridge, Benjamin Auerbach, Elizabeth McCullagh (Chair)</li> <li>• <b><i>Translation and Back-Translation: Understanding Decision-Making in the Context of Neurobehavioral Disorders</i></b> Travis Smith, Cole Vonder Haar (Co-Chair), Leili Mortazavi, Mariya Cherkasova (Chair)</li> </ul>	<p><b>Grand Sierra A, Lobby Level</b></p> <p><b>Monument Peak AB, Conference Level</b></p> <p><b>Pyramid Peak AB, Conference Level</b></p> <p><b>Grand Sierra C, Lobby Level</b></p> <p><b>Emigrant Peak AB, Conference Level</b></p> <p><b>Grand Sierra B, Lobby Level</b></p> <p><b>Castle Peak AB, Conference Level</b></p> <p><b>Grand Sierra D, Lobby Level</b></p>
6:30 PM – 7:30 PM	<b>Winter Brain Business Meeting</b>	<b>Grand Sierra B, Lobby Level</b>
7:30 PM – 9:30 PM	<b>Special Poster Session and Reception</b>	<b>Alpine Ballroom AB, Lobby Level</b>
<b>Wednesday, January 29, 2025</b>		
6:30 AM – 8:30 AM	<b>Breakfast at Leisure</b>	
6:30 AM – 8:30 AM	<b>Board of Directors Meeting #2 (Invitation Only)</b>	<b>Tinkers Knob, Lobby Level</b>
7:30 AM – 9:30 AM	<p><b><u>Panel Sessions</u></b></p> <ul style="list-style-type: none"> <li>• <b><i>Cells and Circuits of Somatosensation and Pain: From the Periphery to the Brain</i></b> Yarimar Carrasquillo, Theanne Griffith (Chair), John Del Rosario, Tayler Sheahan</li> <li>• <b><i>Cross-Species Perspectives on the Impact of Prenatal Substance Use on Offspring Development</i></b> Anne Murphy, Teesta Naskar, Valeria Lallai (Chair)</li> </ul>	<p><b>Monument Peak AB, Conference Level</b></p> <p><b>Castle Peak B, Conference Level</b></p>



<p>7:30 AM – 9:30 AM</p>	<ul style="list-style-type: none"> <li>• <b>Neural Circuits Underlying Normal and Disrupted Reward and Cognitive-Affective Processing in Adolescents and Adult Animals</b> Mary Torregrossa (Chair), Sara Morrison, Millie Rincon-Cortes, Aqilah McCane, Emily Sullivan</li> <li>• <b>Neurotransmitter-Gated Ion-Channel Complexes in Health and Disease</b> Derek Bowie (Chair), Katherine Roche (Co-Chair), Ingo Greger, David Bredt</li> <li>• <b>New Wax, Sharp Edges and the Right Load: Novel AAVs, Focused Gene Delivery, and Efficient Therapeutics Schussing to Outpace Neurological Disorders</b> Kathrin Meyer (Chair), Marie-Eve Paquet, Isabelle Aubert, Anurag Tandon, Shibi Likhite</li> <li>• <b>Role of Endocannabinoids in Modulating Circuits and Physiology</b> Susan Ingram (Chair), Erin Bobeck, Fabrice Dabertrand, Basile Coutens, Tally Largent-Milnes (Co-Chair)</li> <li>• <b>Ventral Hippocampal Control of Cue Representations, Motivation, and Decision-Making</b> Veronika Kondev (Chair), Jeremy Biane, Jeffrey Kates, Eshaan Iyer</li> <li>• <b>Way More Than a Simple Incretin: GLP-1 Functions in the Central Nervous System and Implications Across Neuropsychiatric Conditions</b> Mehdi Farokhnia (Chair), Derek Daniels, Nigel Greig, Elizabeth Rhea, Serena Jingchuan Guo</li> </ul>	<p>Pyramid Peak AB, Conference Level</p> <p>Emigrant Peak A, Conference Level</p> <p>Alpine B, Lobby Level</p> <p>Emigrant Peak B, Conference Level</p> <p>Castle Peak A, Conference Level</p> <p>Alpine A, Lobby Level</p>
<p>4:30 PM – 6:30 PM</p>	<p><b>Panel Sessions</b></p> <ul style="list-style-type: none"> <li>• <b>Chloride Homeostasis, the New Frontier in Therapeutics for Chronic Pain and Beyond!</b> Yves De Koninck (Chair), Wendy Imlach, Francesco Ferrini, Pascal Fossat, Sahara Khademullah</li> <li>• <b>Glial Cell Biology in Injury and Repair of the Nervous System</b> Meifan Chen, Cedric Geoffroy, Mayssa Mokalled (Chair), Valeria Cavalli</li> <li>• <b>In-n-Out the Lateral Hypothalamus Slopes: Circuits Controlling Alcohol and Opioid Use Disorders</b> Marcus Weera (Chair), Todd Thiele, Jessica Babb, Diana Aketzali Garcia, Aida Mohammadkhani</li> <li>• <b>Just One More Hit: Mechanisms Underlying Drug Craving and Relapse</b> Christie Fowler (Chair), Ginevra D'Ottavio, Malia Bautista, David Dietz, Stephanie Daws</li> <li>• <b>Neural and Computational Bases of Uncertainty in Judgement &amp; Decision-Making</b> Sean Ostlund (Chair), Mimi Liljeholm (Co-Chair), Nadja Ging-Jehli, Hayley Dorfman, Erie Boorman</li> <li>• <b>Novel Concepts in Brain-Body Homeostatic Control</b> Jasenka Zubcevic (Chair), Carie Boychuk, Kirsteen Browning, Alan de Araujo</li> </ul>	<p>Emigrant Peak B, Conference Level</p> <p>Pyramid Peak AB, Conference Level</p> <p>Alpine B, Lobby Level</p> <p>Alpine A, Lobby Level</p> <p>Monument Peak AB, Conference Level</p> <p>Castle Peak A, Conference Level</p>

4:30 PM – 6:30 PM	<ul style="list-style-type: none"> <li>• <b><i>Roles for the Septum in Motivation and Cognitive Process</i></b> Sanja Bauer Mikulovic, Petra Mocellin (Co-Chair), Andrew Kesner (Chair), David Bortz</li> <li>• <b><i>Tighten Your Bindings! How Cell-Cell Interactions and Signaling Regulate Synaptic Function</i></b> Yimin Zou, Matthew Dalva (Chair), Karen Zito, Andrea Gomez</li> </ul>	<p><b>Emigrant Peak A, Conference Level</b></p> <p><b>Castle Peak B, Conference Level</b></p>
6:30 PM – 7:30 PM	<b>Cocktail Hour</b>	<b>Grand Sierra Ballroom Foyer</b>
7:30 PM – 11:00 PM	<b>Awards Banquet and Dance</b>	<b>Grand Sierra Ballroom</b>