

WINTERBRAIN.ORG

2025

**WINTER CONFERENCE
ON BRAIN RESEARCH**


PROGRAM BOOK

JANUARY 24 - 29, 2025  LAKE TAHOE, CA

We are pleased to return to the origins of WCBR at Lake Tahoe, California for our 57th meeting. Winter Brain continues a rich history of combining an outstanding scientific program with professional camaraderie, productive networking, and the enjoyment of alpine activities. Since its inception in 1968 by scientists from the Brain Research Institute of the University of California, Los Angeles (UCLA), Winter Brain has been dedicated to facilitating the free exchange of information and ideas between clinical and laboratory-based neuroscientists. Over the years, Winter Brain has continued to be a premier conference, providing a space for individuals to easily stay current on the latest advancements in all areas of neuroscientific research.

Winter Brain emphasizes a relaxed and inclusive atmosphere, encouraging scientific discourse and networking among scientists from various neuroscience fields, both within the conference center and across the mountain. The conference begins on Friday, January 24th with a Welcome Reception and concludes on Wednesday, January 29th with the Annual Awards Banquet. In addition to the scientific program, The Olympic Valley offers an array of exciting winter activities, including skiing, snowboarding, and the Olympic Museum. We are confident that the 57th Winter Conference on Brain Research will be an exceptional experience for all attendees.

The conference begins Friday evening with a **Welcome Reception**, where everyone is encouraged to welcome and network with friends, colleagues, travel fellows, and new attendees. The scientific program will commence on Saturday, January 25th with our **Plenary Breakfast**, featuring **Dr. Suzanne Dickson**, Professor of Neuroendocrinology at the University of Gothenburg. Dr. Dickson is an internationally recognized scientist on neuroendocrinology and the neurobiology of appetite. Her talk, "Delving Into the Brain's Orexigenic Systems," will address neuromodulators driving feeding behaviours, not only food intake but also food choice, food anticipation, food reward, and food motivation. The scientific program also includes sessions highlighting Winter Brain Pioneers on Saturday (Claude Wasterlain, M.D. "Seizures Beget Seizures and Alter Behavior and Brain Development") and Monday (Allan Basbaum, Ph.D., "Contemporary Approaches to Spinal Cord Neuronal Processing"). We also encourage participation in the Diversity and Inclusion sessions, Professional Development sessions, and the Outreach Program. Our **Outreach Program** involves presenting neuroscience research at local schools to inspire young students and enrich the communities hosting the Winter Brain meetings.



A traditional component of Winter Brain Outreach is the **Brain Talk Town Meeting** on Sunday when Dr. Dickson will present her work to the public audience. Afternoons offer opportunities for après-ski, exploring the exhibitor showcase, and attending poster sessions highlighting innovative research. The **Special Poster Session** on Tuesday recognizes the best posters from young investigators with competitive awards. The **Smitty Stevens Memorial Ski Slalom**, a fun race open to skiers and snowboarders of all skill levels, is followed by the **Mountain Lunch** on Tuesday. Finally, please join us for the **Winter Brain Business Meeting** on Tuesday, January 28th at 6:30 PM, where we discuss future sites for the meeting, the program, budget, and hold elections for the Facilities Chair-Elect, Program Chair-elect, and board members and discuss conference budget decisions and future site selections. We will conclude the 57th Winter Brain meeting with the **Annual Banquet** on Wednesday evening, where we will present awards for best posters and winners of the Ski Slalom, followed by dancing and music.

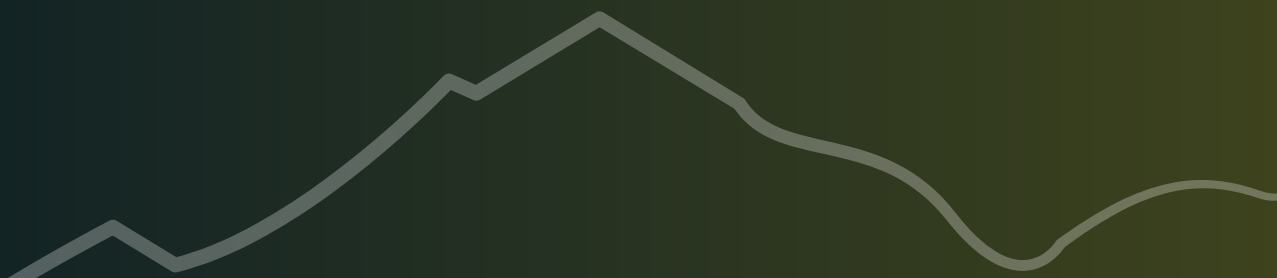
Winter Brain is an independent and all-volunteer organization, made possible by the dedicated efforts of the Executive Committee, Board of Directors, Program Committee, and Fellowship Committee. The Fellowship Program, supported by generous donations from attendees and sponsors, provides travel funds to outstanding young neuroscientists. We thank you all for your generous contributions of time and donations.

Finally, the success and future of Winter Brain depends on you. Please consider nominating yourself or your colleagues for election to the Board of Directors for an open board position in clinical, cellular/molecular, or systems/behavioral neuroscience or for the Executive Committee. We also encourage you to make a meaningful contribution to the Winter Brain Fellowship Program, as it plays a vital role in nurturing and supporting the next generation of neuroscientists.

Welcome, thank you, and we look forward to sharing this outstanding experience with you!



David M. Devilbiss, Conference Chair
57th Winter Conference on Brain Research
Lake Tahoe, California, January 24 – January 29, 2025



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REGISTRATION

Winter Brain Registration Desk and Message Center are located at the Everline Resort & Spa in the Lobby Alcove.

The Registration Desk hours are as follows:

Friday, January 24, 2025	12:00 p.m. – 7:00 p.m.
Saturday, January 25, 2025	6:30 a.m. – 12:00 p.m., 2:00 p.m. – 7:00 p.m.
Sunday, January 26, 2025	7:00 a.m. – 11:00 a.m., 2:30 p.m. – 7:00 p.m.
Monday, January 27, 2025	7:00 a.m. – 11:30 a.m., 2:00 p.m. – 7:00 p.m.
Tuesday, January 28, 2025	7:00 a.m. – 10:00 a.m., 2:00 p.m. – 6:00 p.m.
Wednesday, January 29, 2025	7:00 a.m. – 10:00 a.m., 3:00 p.m. – 6:00 p.m.

Pick up your badge at the Winter Brain Registration Desk in the Lobby Level Lobby Foyer at the Everline Resort and Spa. If you have purchased guest meal tickets, these will also be available at registration.

EXHIBITS AND POSTER SESSIONS

Exhibits and Poster Sessions are in the Alpine Ballroom. Light refreshments are provided from 3:30 p.m. – 4:30 p.m., Saturday, January 25th through Tuesday, January 28th. Exhibitor setup is Friday, January 24th, from 12:00 p.m. – 5:00 p.m. All exhibitors should have their materials removed by 10:00 p.m. on Tuesday, January 28th.

POSTER SESSION 1, SATURDAY, JANUARY 25TH, 3:30 p.m. - 4:30 p.m.

Posters can be set up after 1:00 p.m. on Saturday.

Posters will be available for viewing from 3:00 p.m. – 7:00 p.m. on Saturday. Presenters will be at their posters from 3:30 p.m. – 4:30 p.m. Posters must be removed by 7:00 p.m. on Saturday.

POSTER SESSION 2, SUNDAY, JANUARY 26TH, 3:30 p.m. - 4:30 p.m.

Posters must be set up between 8:00 a.m. – 11:30 a.m. on Sunday.

Posters will be available for viewing from 3:00 p.m. – 7:00 p.m. on Sunday. Presenters will be at their posters from 3:30 p.m. – 4:30 p.m. Posters must be removed by 7:00 p.m. on Sunday.

POSTER SESSION 3, MONDAY, JANUARY 27TH, 3:30 p.m. - 4:30 p.m.

Posters must be set up between 8:00 a.m. – 11:30 a.m. on Monday.

Posters will be available for viewing from 12:00 p.m. – 7:00 p.m. on Monday. Presenters will be at their posters from 3:30 p.m. – 4:30 p.m. Posters must be removed by 7:00 p.m. on Monday.

Continued on next page.

EXHIBITS AND POSTER SESSIONS CONTINUED...

POSTER SESSION 4, TUESDAY, JANUARY 28TH, 3:30 p.m. - 4:30 p.m.

Posters must be set up between 8:00 a.m. – 11:30 a.m. on Tuesday.

This is a special session displaying the highest-ranked posters by young investigators. Award certificates will be presented to the best posters. Presenters will be at their posters from 3:30 p.m. – 4:30 p.m. and return for the special session from 7:30 p.m. – 9:30 p.m. Posters must be removed by 10:00 p.m. on Tuesday.

BREAKFAST

Breakfast is served to all conference delegates during the keynote presentation on Saturday, January 25th from 7:00 a.m. – 8:00 a.m. in the Grand Sierra Ballroom Foyer, Lobby Level. Tickets are not required for the Saturday breakfast. Just ensure you are wearing your name badge!

Breakfast Vouchers will be available for all attendees to use at the Cascades Restaurant and Six Peaks Grille located inside the Everline Resort & Spa.

CONTINUING MEDICAL EDUCATION



JOINTLY ACCREDITED PROVIDER'
INTERPROFESSIONAL CONTINUING EDUCATION

SATISFACTORY COMPLETION

Learners must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

PHYSICIANS

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and Winter Conference on Brain Research (WCBR). Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team. Amedco Joint Accreditation #4008163

Credit Designation Statement – Amedco LLC designates this live activity for a maximum of 28.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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Each year Winter Brain offers travel fellowships to young investigators to encourage outstanding new investigator participation in the meeting. This has been a very successful program. Unrestricted donations to the fellowship program can be made at any value.

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Thank you to the individuals and organizations that generously support the Travel Fellowship Program. The gift you make is used exclusively to introduce young neuroscientists to the Winter Brain meeting.

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EXHIBITORS

Thank you to the Winter Conference on Brain Research exhibitors.



CONFERENCE SUPPORT

WCBR CODE OF CONDUCT

1. Introduction

The Winter Conference on Brain Research (Winter Brain) is dedicated to providing a safe, productive and discrimination-free experience for all participants during the Annual Meeting regardless of race, color, national origin, religion, creed, age, sex (including pregnancy), gender, gender identity, physical or mental disability, perceived disability, ancestry, marital status, genetic information, sexual orientation, citizenship, past, current or prospective service in the uniformed services, or any other basis protected by federal, state or local laws. Winter Brain does not tolerate discrimination or any form of harassment and is committed to enforcing this Code of Conduct Policy. As a professional society, Winter Brain is committed to providing an atmosphere that encourages the free expression and exchange of scientific and educational ideas. Furthermore, Winter Brain upholds the philosophy of equality of opportunity for, and treatment of, all meeting participants, including but not limited to, attendees, guests, speakers, exhibitors, contractors, staff, and volunteers at all venues and events, including all ancillary and unofficial social events held in conjunction with the Annual Meeting (collectively “Annual Meeting”).

2. Scope of Code of Conduct

Winter Brain seeks to create a diverse, inclusive and respectful environment for the exchange of scientific information.

Winter Brain requires compliance with this Policy by all meeting participants throughout the period of the Annual Meeting, whether in public or private facilities. This policy is an expression of Winter Brain’s values and commitment to a safe and productive experience for all participants at the Annual Meeting. This policy is not an acknowledgement, admission, or description of Winter Brain’s legal obligations with respect to any of the subject matters addressed herein, nor does it create any such legal obligations on Winter Brain, its Board Members, and committee members.

3. Prohibited Conduct

Prohibited conduct at the Winter Brain Annual Meetings include, but is not limited to:

harassment and discrimination based on race, color, national origin, religion, creed, age, sex (including pregnancy), gender, gender identity, physical or mental disability, perceived disability, ancestry, marital status, genetic information, sexual orientation, citizenship, past, current or prospective service in the uniformed services, or any other basis protected by federal, state or local laws; demeaning comments or harassment about a person’s professional status, qualifications, or affiliations; sexual harassment, as defined in Section 4; abusive conduct that has the purpose or effect of unreasonably interfering with another person’s ability to benefit from and enjoy or participate in the Annual Meeting; undue or excessive interruption of any event, speaker, or session; and violence or threats of violence or physical harm.

4. Harassment Defined

Prohibited harassment includes any conduct that creates an intimidating, offensive, or hostile environment whether that conduct be verbal, physical, or visual.

WCBR CODE OF CONDUCT CONTINUED...

Harassment can take many forms and includes, but is not limited to, the following: slurs, epithets, derogatory comments, insults, degrading or obscene words, jokes, demeaning statements, offensive gestures, or displaying derogatory or demeaning pictures, photos, drawings, or cartoons based upon an individual's race, color, national origin, religion, creed, age, sex, pregnancy, gender, gender identity, physical or mental disability, perceived disability, ancestry, marital status, genetic information, sexual orientation, citizenship, past, current or prospective service in the uniformed services, or any other basis protected by federal, state or local laws. Sexual harassment includes unwanted sexual attention including expressions of romantic or sexual interest that are unwelcome, unreciprocated, and/or offensive to the target; examples include unwanted touching, hugging, stroking, and persistent requests for dates or sexual behavior despite discouragement. Sexual harassment also includes gender harassment which includes verbal and nonverbal behaviors that convey insulting, hostile, and degrading attitudes about members of one gender as well as crude harassment.

Sexually harassing conduct can be by a person of either the same or other sex. Conduct that begins as consensual in nature may become harassment if one party withdraws his or her consent. Sexual or other harassment prohibited by this policy is unacceptable and will not be tolerated.

The above list of prohibited behaviors is not a complete rendering of what may be deemed sexual or other harassment prohibited by this policy. It is impossible to define every action or word that could be interpreted as harassment or discrimination. However, Winter Brain has a "zero tolerance" policy toward discrimination and all forms of harassment. Winter Brain reserves the right to discipline meeting participants who engage in any inappropriate conduct, even if it is not specifically referred to or defined in this Code of Conduct, or is not legally actionable as sexual or any other form of harassment.

5. Filing a Formal Complaint

If you feel you have been subject to or have witnessed a violation of this Code of Conduct, a formal complaint can be filed with an authorized representative from our meeting management company, Parthenon Management Group, LLC. This individual can be contacted through the registration desk, or if after the Annual Meeting, at 615-324-2365. No participant will be retaliated against for making a good faith claim of harassment or discrimination, for opposing harassment or discrimination, or for participating in, or cooperating with, the investigation of a complaint. A designated member of the Parthenon team will gather information and put together a summary report, which will then be forwarded to the Conduct Subcommittee of the Executive Board of Winter Brain for a decision. If the decision of the Subcommittee is contested, it can be appealed to the full Executive Board.

The decision following appeal is final and not subject to further appeal. We will strive to keep the identity of the complainant and any witnesses, as well as the accused individual, confidential throughout this process. All participants of the Annual Meeting are bound by the decisions of the Conduct Subcommittee of the Executive Board.

WCBR CODE OF CONDUCT CONTINUED...

If it is determined that an individual has engaged in conduct constituting harassment or discrimination, discipline may be imposed, up to and including exclusion from participating in the Winter Brain Annual Meeting, and/or future meetings.

You may also file a complaint with the US Dept. of Health and Human Services Office for Civil Rights and filing a complaint with the conference organizer is not required before filing a complaint of discrimination with HHS OCR, and that seeking assistance from the conference organizer in no way prohibits filing complaints with the Office for Civil Rights. You may also find further information on harassment and other forms of inappropriate conduct on the [National Institutes of Health website](#).

Code of Conduct Attestation:

The Winter Brain Annual Meeting is committed to supporting discovery and scientific dialogue, and providing an atmosphere that is safe, respectful and welcoming to all those present in order to encourage the free expression and exchange of scientific and educational ideas. This commitment applies to the Winter Brain Annual Meeting, at all venues and events, including all ancillary and unofficial social events held in conjunction with the Annual Meeting (collectively “Annual Meeting”) and anyone present, including but not limited to, attendees, guests, speakers, exhibitors, contractors, staff, and volunteers.

To that end, the Winter Brain Annual Meeting strictly prohibits and does not tolerate unlawful harassment or discrimination on the basis of race, color, religion, creed, national origin, ancestry, sex (including pregnancy), sexual orientation, gender (including nonconformity and status as a transgender or transsexual individual), gender identity, age, physical or mental disability, perceived disability, citizenship, marital status, genetic information, past, current or prospective service in the uniformed services, or any other basis recognized by applicable federal, state, or local laws. Winter Brain upholds the philosophy of equality of opportunity for, and treatment of, all individuals present at the Annual Meeting and thus, does not tolerate any form of discrimination, harassment, and/or retaliation. We expect all those present at the Annual Meeting of Winter Brain to help us in ensuring a productive, safe and positive environment for all.

By registering for the meeting, I confirm that I have read the Code of Conduct for Winter Brain, and agree that it is my responsibility to be familiar with, and to abide by, its terms. I also attest that I will cooperate with any formal or informal inquiry into my behavior and/or actions at the Annual Meeting. I agree to be bound by the decisions of the Executive Subcommittee on Meeting Conduct, which may take any action that it deems appropriate, including but not limited to exclusion from a current Annual Meeting (without refund) or from future meeting.

PHOTOGRAPHY AND VIDEOGRAPHY POLICY

Winter Brain does not allow photography of oral presentations, slides, and/or posters without permission from the presenter. At the beginning of the presentation, the presenter must either grant permission to the audience and/or include an icon on the first slide or poster signifying photos are allowed. No videography by attendees is allowed at oral presentations, slides, and/or posters.

CONGRATS TO WINTER BRAIN'S 2025 PIONEER AWARDEES!

Each year, Winter Brain solicits nominations for the annual Pioneer Awards. This tradition serves to recognize and honor pioneering scientists who demonstrate excellence in the field of neuroscience and have made invaluable contributions to Winter Brain over the years. Many worthy candidates were nominated this year and the Winter Brain Board of Directors and Executive Committee had the difficult task to select two candidates for recognition.



ALLAN BASBAUM, PH.D.

2025 Winter Brain Pioneer Awardee

Allan Basbaum completed undergraduate studies at McGill University, where he studied with Ronald Melzack, received his Ph.D. from the University of Pennsylvania, and did postdoctoral research at University College London with Patrick Wall. Presently, he is a professor and chair of the Department of Anatomy at UCSF. His research focuses on peripheral and central nervous system mechanisms that process pain and itch messages, including the molecular mechanisms that contribute to

chronic pain after tissue or nerve injury. He served as Editor-in-Chief of PAIN, the journal of the IASP, is a member of the American Academy of Arts and Sciences, the National Academy of Medicine, and the National Academy of Sciences, and is a fellow of the UK Royal Society. He recently completed a 4 year membership on NINDS council and continues to serve on the Multi-Disciplinary Working Group for HEAL (Health End Addiction Long-term). In addition to being a long-time attending of the WCBR, he served as its Program Chair (1991-1993), its Treasurer (1994-1998) and as Conference Chair (2000-2002). He has published over 370 papers/chapters, which have been cited over 79,000 times (h-factor 130).



CLAUDE WASTERLAIN, M.D.

2025 Winter Brain Pioneer Awardee

Dr. Claude Wasterlain is a world leader in status epilepticus and epilepsy research. Dr. Wasterlain earned his MD at the University of Liege before coming to the US, completed his residency at Cornell University Medical College and research fellowship in Dr. J.B. Posner's laboratory. He has spent most of his career at UCLA, where he is now the Distinguished Professor Emeritus of Neurology at the David Geffen School of Medicine. He has discovered several core mechanisms of seizure activity including the long-term effects of seizures on brain development, the role of trafficking of GABAA and NMDA receptor in initiating status epilepticus, the mechanism of seizure-induced neuronal injury and the role of memory circuits in epileptogenesis. This work has had major therapeutic applications. Dr. Wasterlain has won several awards including for Basic Research in Epilepsy from the American Epilepsy Society, 1992, the Pierre Gloor Award of the American Clinical Neurophysiology Society, 1996, Ambassador Award from the International League Against Epilepsy, 2003, and UCLA's "Golden Hammer" teaching award (1996). He has been attending WCBR for over 40 years and has been a member of the Program Committee, the Council, and the Board of Directors. Dr. Wasterlain has published 8 books, 223 peer-reviewed articles, and 64 book chapters or reviews.

WINTER CONFERENCE ON BRAIN RESEARCH

JANUARY 24 - 29, 2025 ❁ LAKE TAHOE, CA

Brain Talk Town Hall: Brainy Insights About Eating and Obesity
Brain Talk Town Hall presentation by: Dr. Suzanne Dickson

DR. SUZANNE DICKSON

Eating has got so complicated in our modern world, with food available 24/7 and in copious amounts. Why is it so easy to gain weight and so difficult to lose it? What is the role of genetics versus environment? Eating is controlled by the brain and by a host of hormones that inform the brain about our energy reserves as well as feelings of hunger and satiety. In this lecture, Professor Dickson will walk us through the role of these hormones in regulating brain pathways involved in keeping us fed and in processing the hedonic drive to over-eat. She will also explain how obesity can be conquered by new blockbuster obesity drugs as well as by weight loss surgery. There will also be an opportunity to raise all those questions you ever wondered about eating and obesity.



Suzanne L Dickson is a neurobiologist and Professor of Neuroendocrinology at the University of Gothenburg. She graduated with a Ph.D. in Neuroendocrinology from the University of Cambridge in 1993, where she later became Senior Lecturer in Physiology. She is a leading figure in neuroendocrinology and works within many European Union and international organisations and societies to promote animal research, facilitate grant funding and training of Early Career Scientists. Her research into the neurobiology of appetite aims to unravel neurobiological pathways that respond to orexigenic signals, such as the hormone, ghrelin, and that drive feeding behaviours, not only food intake but also food choice, food anticipation, food reward and food motivation. This work involves mostly preclinical studies and includes behavioural tasks, viral vector mapping, chemogenetics and RNAscope. She is President of the European Brain Council and Secretary of the European College for Neuropsychopharmacology.

Brain Talk Town Hall: Brainy Insights About Eating and Obesity
Sunday, January 26th, 2025. 7:00 PM - 8:30 PM. - Grand Sierra Ballroom A

FRIDAY, JANUARY 24TH

6:00 p.m. - 6:30 p.m.
Welcome Reception for
Newcomers, 1st Time Attendees,
Travel Fellows and Mentors
Grand Sierra Ballroom CD, Lobby
Level

6:30 p.m. - 7:30 p.m.
Welcome Reception (All are
Welcome)
Grand Sierra Ballroom ABCD,
Lobby Level



SATURDAY, JANUARY 25TH

7:00 a.m. - 8:00 a.m.
Plenary Breakfast
Grand Sierra Ballroom Foyer,
Lobby Level

8:00 a.m. - 9:30 a.m.
Conference Welcome
and Plenary Address
Grand Sierra Ballroom ABCD,
Lobby Level

Keynote: Delving Into the Brain's
Orexigenic Systems
Suzanne Dickson, Ph.D.

9:45 a.m. - 11:15 a.m.
Pioneer Session #1: Claude
Wasterlain, M.D.
Emigrant Peak AB, Conference Level

Seizures Beget Seizures and Alter
Behavior and Brain Development
Pioneer: Claude Wasterlain
Chair: Kerry Thompson
Investigators: Lucie Suchomelova,
David Naylor

11:15 a.m. - 11:45 a.m.
Panel Chair Training Session
Monument Peak AB, Conference
Level

SATURDAY, JANUARY 25TH

2:00 p.m. - 3:30 p.m.

Professional Development
Session #1
Monument Peak AB, Conference
Level

Navigating the Steeps:
Experience, Tips and Tools for
Effective Scientific Advocacy

Chair: Erik Carlson
Suzanne Dickson, Mauricio
Rangel Gomez, Debra Bangasser

3:30 p.m. - 4:30 p.m.

Exhibits & Poster Session I
Alpine Ballroom AB, Lobby Level

4:30 p.m. - 6:30 p.m.

Panel

Grand Sierra D, Lobby Level
Deciphering What Astrocytes Do
in the Brain

Chair: Matthew Wanat
Leanne Holt, Michael O'Dea,
Michael Scofield

Panel

Emigrant Peak AB, Conference
Level

Double Diamonds: New Insights
into Glutamate-dopamine Co-
transmitting Neurons

Chair: Emily Prevost
Katlin Silm, Susana Mingote,
Shelley Warlow

Panel

Grand Sierra A, Lobby Level
Carving New Trails: Early Life Adversity and
its Impact on Mesocorticolimbic Circuit
Plasticity and Behavioral Adaptations

Chair: Jocelyn Breton
Kuei Tseng, Debbie Bangasser, Sydney
Woods

Panel

Grand Sierra B, Lobby Level
Improving Lives with Kappa Opioid
Receptors – In Memoriam of Elena Chartoff

Chair: Jessica Barson
Co-chair: Anushree Karkhanis
Zoe McElligott, Nicolas Massaly

Panel

Castle Peak AB, Conference Level
Integrative Visual Processing

Chair: Cristopher Niell
Huizhong Tao, Gal Atlan, Evan Vickers,
Jennifer Hoy

Panel

Grand Sierra C, Lobby Level
Internal Brain Models for Emotion and
Cognition Underlying Adaptive Behavior

Chair: Joshua Johansen
Co-chair: Mazen Kheirbek
Emily Sylwestrak, Francis Xia, Kei Igarashi

Panel

Pyramid Peak AB, Conference Level
Network Coordination and Function
Orchestrated by Hippocampal Interneurons

Chair: Kamran Diba
Annabelle Singer, Daniel English, Sam
McKenzie

SATURDAY, JANUARY 25TH

Panel
Monument Peak AB, Conference
Level

The Importance of Age as a
Confound in Traumatic Neural
Injuries

Chair: Bethany Kondiles
Brett Hilton, Zin Khaing

6:30 p.m. - 7:00 p.m.

Evening Refreshment Break
Grand Sierra Ballroom Foyer,
Lobby Level & Castle Foyer,
Conference Level

7:00 p.m. - 8:30 p.m.

Panel
Grand Sierra D, Lobby Level
Career Development and
Research Grants for Early Career
Researchers in Neuroscience and
Behavioral Research

Chair: Delany Torres
DeAnna Adkins, Nidia Quillinan,
Erin Calipari

Panel
Pyramid Peak AB, Conference
Level

Genetic Regulations of Opioid
Behaviors and Opioid use
Disorders

Chair: Stephanie Puig
Co-chair: Camron Bryant
Tania Lintz, Samara Vilca

Panel
Grand Sierra A, Lobby Level
Icy Social Dynamics and Cozy
Connections: Illuminating Neural
Circuits for Diverse Social Behavior
States

Chair: Jenna McHenry
Co-chair: Nicholas Frost
Devanand Manoli

Panel
Monument Peak AB, Conference
Level

I Can See Clearly Now: Microscopy
Advances and Applications

Chair: Elyssa Margolis
Marisela Morales, Laura Waller, Ian
Oldenburg

Panel
Grand Sierra C, Lobby Level
Impact of Developmental Cannabis
Exposure on Neural Circuits and
Behavior

Chair: Miguel Lujan
Laura Ornelas, Jacqueline-Marie
Ferland

Short Course
Grand Sierra B, Lobby Level
Off-piste Investigations of Dopamine
Function

Chair: Melissa Sharpe
Kate Wassum, Benjamin Saunders,
Larry Zweifel

SATURDAY, JANUARY 25TH

Panel

WORKSHOP: Demystifying Coding
in Neuroscience: A Beginner's
Guide to Creating Data Workflows in
Python and R

Chair: Abigail Schindler
Mitchell Spring, Adam Gordon-
Fennell

Panel

Castle Peak AB, Conference Level
WORKSHOP: Pain and Spinal Cord
Injury: Underlying Mechanisms and
Impact on Functional Recovery

Chair: John Kramer
Andrew Gaudet, Michelle Hook,
Paulina Scheuren



SUNDAY, JANUARY 26TH

6:30 a.m. - 8:30 a.m.

Breakfast at Leisure

6:30 a.m. - 8:30 a.m.

Board of Director's Meeting
(Invitation Only)

Tinkers Knob, Lobby Level

7:30 a.m. - 9:30 a.m.

Panel

Castle Peak AB, Conference Level
From Synapse to Shaft: The Slalom
of Intracellular Calcium Regulation

Chair: Justin O'Hare
Mark Dell'Acqua, Kristen Harris, Joris
De Wit

Panel

Grand Sierra C, Lobby Level
Innovations in Cerebellar Research:
From Molecular Mechanisms to
Behavioral Outcomes

Chair: Jessica Verpeut
Mikhail Kislin, Aaron Sathyanesan,
Gerard Broussard, Timothy Balmer,
Edward Ofori

Panel

Grand Sierra D, Lobby Level
Multimodal Mechanisms Contributing to
Traumatic Brain Injury Pathology and
Potential Molecular Sites for
Therapeutic Intervention

Chair: Cole Vonder Haar
Audrey Lafrenaye, Olga Kokiko-
Cochran, Akiva Cohen, David Devilbiss,
Abigail Schindler

SUNDAY, JANUARY 26TH

Panel

Grand Sierra B, Lobby Level
New Tools for Addiction Research:
Emphasis on Sex Differences
Chair: Jessica Higginbotham
Co-chair: Yolanda Campos-Jurado
Elizabeth Sneddon, Gavin Vaughan,
Nicolas Massaly

Panel

Monument Peak AB, Conference Level
Neurobiological Mechanisms
Underlying Fentanyl Withdrawal and
Negative Affect Associated With
Fentanyl
Chair: Adam Kimbrough
Co-chair: Yueyi Chen
Anthony Downs, Megan Fox, Lisa
Wooldridge

Panel

Grand Sierra A, Lobby Level
Shining a Light on Neuroscience: New
Frontiers With Fluorescent Protein-
Based Sensors
Chair: Jacob Roshgadol
Co-chair: Chunyang Dong
Maribel Anguiano, Pingchuan Ma

Panel

Emigrant Peak AB, Conference Level
Synaptic Control of Mesolimbic
Dopamine Neurons Regulating
Learning
Chair: Joyce Woo
Co-chair: Alexy Ostroumov
Thomas Hnasko, Abigail Elerding,
Michael Tadross, Miguel Lujan,
Thomas Jhou

Panel

Pyramid Peak AB, Conference Level
Thalamic Neurodegeneration:
Mechanisms and Clinical Implications
Chair: Marcela Pekna
Co-chair: Eunji Cheong
Jeanne Paz, Shane Liddelow

9:45 a.m. - 10:45 a.m.

Diversity and Inclusion Power Hour
Grand Sierra A, Lobby Level

11:00 a.m. - 12:00 p.m.

Inclusive Networking Coffee Hour
Grand Sierra A, Lobby Level

3:00 p.m. - 3:30 p.m.

Data Blitz
Grand Sierra A, Lobby Level

3:30 p.m. - 4:30 p.m.

Exhibits & Poster Session II
Alpine Ballroom AB, Lobby Level

4:30 p.m. - 6:30 p.m.

Panel

Grand Sierra D, Lobby Level
Adverse Experiences and
Overcoming Their Consequences –
Navigating the Bumps of Life
Chair: Connor McNulty
Co-chair: Jason Radley
MJodi Lukkes, Jayme McReynolds

SUNDAY, JANUARY 26TH

Panel

Castle Peak AB, Conference Level
Cellular and Computational Mechanisms for Central Auditory Processing
Chair: Robert Froemke
Co-chair: Maria Geffen
Alfonso Junior Apicella, Michele Insanally, Lauren Kreeger, Robert Liu, Li Zhang

Panel

Grand Sierra B, Lobby Level
Extended Amygdala Stress Neurocircuitry in Mice & Humans
Chair: William Giardino
Layla Banihashemi, Sherod Haynes, Rajani Maiya

Panel

Monument Peak AB, Conference Level
FOS-tering Insight: Exploring Neural Mechanisms with Whole Brain cFos and Light Sheet Microscopy
Chair: Caitlyn Edwards
Olivier George, Amy Chan, Samuel Centanni

Panel

Grand Sierra C, Lobby Level
Frontal Cortex Ensembles and Circuitry Underlying Adaptive and Maladaptive Reward Seeking
Chair: Cali Calarco
Co-chair: Rachel Clarke
Katherine Savell, Briac Halbout

Panel

Grand Sierra A, Lobby Level
Heterogeneity of the Dorsal Raphe Nucleus: Regulation and Behavioral Implication
Chair: Flavia Barbano
Co-chair: Marisela Morales
Catherine Marcinkiewicz, Micaela Ruiz, Claire Deckers

Panel

Emigrant Peak AB, Conference Level
The Influence of Neuromodulators on Striatum and Learning Dynamics
Chair: Maxime Chevee
Co-chair: Christopher Zimmerman
Safa Bouabid, Heejae Jang

Panel

Pyramid Peak AB, Conference Level
Unveiling Neurocircuitry Disruptions in Schizophrenia and Major Depressive Disorder: Insights into Cortical Alterations, Gene Expression, and Sex-Specific Variations
Chair: Kirsten Schoonover
Thomas Hyde, Ryan Logan, Kevin Dowling

7:00 p.m. - 8:30 p.m.

Brain Talk Town Meeting: Suzanne Dickson, Ph.D. - Brainy Insights About Eating and Obesity
Grand Sierra Ballroom A, Lobby Level
Suzanne Dickson, Ph.D.

9:00 p.m. - 11:00 p.m.

Karaoke
Iron Road Noodle House

MONDAY, JANUARY 27TH

6:30 a.m. - 8:00 a.m.

Travel Fellow & Mentor Breakfast
Iron Road Noodle House

6:30 a.m. - 8:30 a.m.

Breakfast at Leisure

7:30 a.m. - 9:30 a.m.

Panel

Grand Sierra D, Lobby Level
Analysis, Mechanisms, and
Functions of Targeting AMPA-type
Glutamate Receptors to
Postsynaptic Nanodomains
Chair: Johannes Hell
Co-chair: Elva Diaz, Mary Horne,
Martin Hruska, Graham Diering

Panel

Grand Sierra A, Lobby Level
Brain Circuits Promoting Pain and
Addiction
Chair: Trent Anderson
Co-chair: Edita Navratilova
Elyssa Margolis, Stephanie Puig

Panel

Grand Sierra B, Lobby Level
Carving New Trails in Dopamine
Signaling: Investigating Dopamine
Subpopulations and Their Role in
Reward, Aversion, and Motivation
Chair: Adam Gordon-Fennell
Erin Calipari, Lauren Faget, Stephan
Lamme

Panel

Emigrant Peak AB, Conference Level
Dynorphin Signaling at Kappa Opioid
Receptors in Substance Use
Chair: Paul Phillips
Sara Jones, Brendan Walker, Ream
Al-Hasani

Panel

Monument Peak AB, Conference
Level
Mechanisms and Regulations of
Striatal Circuits
Chair: Chris Ford
Jacob Nadel, Christina Gremel,
Andrew Yee, Nicolas Tritsch

Panel

Castle Peak AB, Conference Level
Novel Treatments for PTSD: Focus on
Fear Conditioning as a Translational
Model
Chair: Alaina Jaster
Co-chair: Samantha Ely
Leah Mayo, Sam Woodburn, Sophie
Rogers

Panel

Grand Sierra C, Lobby Level
Physiology and Anatomy of the Brain
Circuits of Mood: From Translational
Neuroscience to New Therapies for
Patients
Chair: Davide Folloni
Katherine Nautiyal, Lucas Trambaiolli,
Shan Siddiqi, Philip Corlett

MONDAY, JANUARY 27TH

Panel

Pyramid Peak AB, Conference Level
Spatial Perception, Memory, and
Navigation

Chair: Michael Goard
Emily Aery Jones, Isabel Muzzio,
Douglas Nitz, Alex Keinath, Andy
Alexander

9:45 a.m. - 11:15 a.m.

Pioneer Session #2: Allan Basbaum,
Ph.D.

Grand Sierra B, Lobby Level

Contemporary Approaches to Spinal
Cord Neuronal Processing

Pioneer: Allan Basbaum
Chair: Elyssa Margolis
Investigators: Charles Warwick,
Samuel Pfaff

2:00 p.m. - 3:30 p.m.

*Professional Development Session
#2: Presenting Your Science and
Yourself to Different Audiences
Grand Sierra A, Lobby Level

Chair: Erik Carlson
Matt Carter, Morgan Johnson,
David Barker

3:30 p.m. - 4:30 p.m.

Exhibits & Poster Session III
Alpine Ballroom AB, Lobby Level

4:30 p.m. - 6:30 p.m.

Panel

Pyramid Peak AB, Conference Level
Autopilot Gone Awry: Impacts of CNS
Injury on the Autonomic Nervous
System

Chair: Veronica Tom
Andrea Tedeschi, Warren Alilain,
Patricia Ward, Jill Wecht

Panel

Castle Peak AB, Conference Level
Developing the Next Generation of
Mouse Models for Late-Onset
Alzheimer's Disease

Chair: Kim Green
Marcelo Wood, Angela Gomez-
Arboledas, Giedre Milinkeviciute,
Adrian Oblak, Paul Territo

Panel

Grand Sierra C, Lobby Level
Factors That Synergistically
Contribute to Poor Outcomes After
Stress or Trauma

Chair: Makenzie Patarino
Rachel Rowe, Travis Hodges, Jodi
Lukkes, Nathaniel Harnett

Panel

Monument Peak AB, Conference
Level
Microdosing Psychedelics: Personal
Stories, Neuroscience, and
Cardiovascular Insights
Chair: Scott Thompson
Brian Chaplin, Hanna Molla, Mikael
Palner, Devin Effinger

MONDAY, JANUARY 27TH

Panel

Grand Sierra A, Lobby Level
Neural Circuits Underlying
Maladaptive Feeding Disorders
Chair: Bridget Matikainen-Ankney
Estefania Azevedo, Daniel
Christoffel, Richard O'Connor, Ames
Sutton Hickey

Panel

Emigrant Peak AB, Conference Level
-Omics 4 Ways: Cross Species
Translational Approaches in the
Neurobiology of Psychiatric
Disorders
Chair: Shinnyi Chou
Kyle Ketchesin, John Neumaier, Ryan
Logan

Panel

Grand Sierra D, Lobby Level
The Role of mRNA Trafficking and
Translation in Cell-Type Specific
Synaptic Plasticity
Chair: Katharine Smith
Sulagna Das, Jason Shepherd,
Giordano Lippi

Panel

Grand Sierra B, Lobby Level
Winter Chill: Navigating the Cold
Truths of Chronic Pain and
Substance Use Disorders
Chair: Jessi Cucinello-Ragland
Co-chair: Taylor Fitzpatrick-Schmidt
Lisa LaRowe, Catherine Cahill

6:30 p.m. - 7:00 p.m.

Evening Refreshment Break
Grand Sierra Ballroom Foyer, Lobby
Level & Castle Foyer, Conference
Level

7:00 p.m. - 8:30 p.m.

Panel

Grand Sierra B, Lobby Level
Cannabinoids on the Menu:
Interactions of Nutrients,
Cannabinoids, and Nervous System
Function
Chair: Bryan Jenkins
Catherine Hume, Marieka DeVuono,
Joseph Pastina

Panel

Castle Peak AB, Conference Level
Emerging Data Implicating the
Serotonin 5HT_{2c} Receptor in
Addiction-Related Behaviors Across
Drug Classes
Chair: Meghan Flanigan
Ruixiang Wang, Matthew Pomrenze

Panel

Emigrant Peak AB, Conference Level
Immune Mechanisms Governing
Repair and Recovery After Traumatic
Spinal Cord Injury
Chair: Faith Brennan
Angela Filous, Gunnar Poplawski,
Dylan McCreedy

Panel

Pyramid Peak AB, Conference Level
Role of PAG in Opiate and Alcohol-
Induced Hyperalgesia
Chair: Tiffany Wills
Renata Marchette, Sean Farris

MONDAY, JANUARY 27TH

Short Course

Grand Sierra D, Lobby Level
Spatial Molecular Profiling:
Methodological Considerations
and Application to Brain Research
Chair: Candice Contet
Ramon Sun, Josh Morganti, Sean
Bendall

Short Course

Monument Peak AB, Conference
Level
Tutorials for Using Reinforcement
Learning and Sequential Sampling
Models
Chair: Katherine Nautiyal
Co-chair: Mark Laubach
Mitchell Spring, Jensen Palmer,
Nadja Ging-Jehli, Krishn Bera

Panel

Grand Sierra C, Lobby Level
Synapse Elimination in Health and
Disease
Chair: Nidia Quillinan
Alberto Cruz-Martin, Jesse
Hanson, Yang Yang

Panel

Grand Sierra A, Lobby Level
Vulnerabilities for the
Development of Substance
Misuse
Chair: Hugh Garavan
Co-chair: Alexandra Potter
Bea Luna, Jacqueline-Marie
Ferland



TUESDAY, JANUARY 28TH

6:30 a.m. - 8:30 a.m.
Breakfast at Leisure

7:30 a.m. - 9:30 a.m.

Panel

Monument Peak AB, Conference
Level
A Signaling Slalom: Can Pathway
Profiles Predict Pharmacology?
Chair: Amy Newman
Jennifer Whistler, Bradley
Keegan, Susruta Majumdar, J.
Robert Lane

Panel

Grand Sierra D, Lobby Level
Bunny Hill or Black Diamond? How
Neural Circuits Shape Positive and
Negative Reinforcement in Mice
Chair: Robyn St Laurent
Co-chair: Allison Girasole
Marc Fuccillo, Cristina María Ríos

Panel

Grand Sierra C, Lobby Level
Developing Clinical-Systems
Neuroscience Links in Psychiatric
Diseases With Novel Behavioral
Models
Chair: Songjun Li
Kristen Berendzen, Alfred Kaye, Joe
Stujenske, AZA Allsop

TUESDAY, JANUARY 28TH

Panel

Castle Peak AB, Conference Level
Entangled Neighbors: Functional
Heterogeneity Within the
Subthalamic and Parasubthalamic
Nuclei in the Regulation of
Motivated Behaviors
Chair: Nick Hollon
Co-chair: Candice Contet
Matt Carter, Colin Hoy

Panel

Grand Sierra A, Lobby Level
Linking Animal Behavior to Ongoing
Biochemical Signaling Dynamics
Chair: Andrew Lutas
Tianyi Mao, Claire Gao, Lizzie
Tilden, Sarah Melzer

Panel

Grand Sierra B, Lobby Level
New Discoveries in Cannabinoid
Research: Exploring Therapeutic
Potential, Sex Differences, and
Translational Implications for Pain
and Affective Disorders
Chair: Stephanie Lee
Sachin Patel, Hannah Harris, Ziva
Cooper

Panel

Pyramid Peak AB, Conference Level
New Tools to Study Glutamate
Receptor Trafficking in Synaptic
Transmission, Plasticity, Higher
Brain Function and
Neurodegenerative Disease
Chair: Angela Getz
Matthew Kennedy, Daniel Choquet,
Johannes Hell

Panel

Emigrant Peak AB, Conference Level
Novel Insights on the Mechanisms
Underlying Opioid-induced Overdoses
Chair: Renata Marchette
Co-chair: Jose Moron-Concepcion
Erica Levitt, Catherine Demery-Poulos

10:00 a.m. - 11:30 a.m.

Smitty Stevens Memorial Ski Slalom,
Ramp Run Trail

11:30 a.m. - 1:30 p.m.

Winter Brain Mountain Lunch
Sun, Spa, and Iron Road Deck

3:30 p.m. - 4:30 p.m.

Exhibits & Poster Session IV
Alpine Ballroom, Lobby Level

4:30 p.m. - 6:30 p.m.

Panel

Grand Sierra A, Lobby Level
Diversity of Peptide Signaling in the
Midbrain
Chair: Marta Soden
Setareh Sianati, Aida
Mohammadkhani, Daniel Castro, Sung
Han

Panel

Monument Peak AB, Conference Level
Estrogen-Dependent Effects on
Synaptic Function in Reward Circuits
Chair: Tara LeGates
Co-chair: Polymnia Georgiou
Lillian Brady, Evan Bordt

TUESDAY, JANUARY 28TH

Panel

Pyramid Peak AB, Conference Level
Mapping Effects of Unpredictable
Early Life Experiences in Childhood:
From Brain Circuits to Clinical
Outcomes

Chair: Victoria Risbrough
Tallie Z. Baram, Elysia Davis, Laura
Glynn

Panel

Grand Sierra C, Lobby Level
Neuroimmune, Transcriptomic and
nCRNA Mechanisms of Alcohol
Pathology

Chair: Fulton Crews
Marion Fiske, Laura Ferguson, Rajesh
Miranda

Panel

Emigrant Peak AB, Conference Level
New Insights on Claustrum Role in
Decision-Making, Pain Addiction,
Pain, and Psychedelic Drug Effects

Chair: Yavin Shaham
Solange Brown, Anna Taylor, Ami
Citri, Ken Negishi, Brian Mathur

Panel

Grand Sierra B, Lobby Level
Salient Slalom: Dissociating Valence
and Salience Encoding Across
Neuronal Populations

Chair: Margaret Stelzner
Fergil Mills, Sean Piantadosi, Annie
Ly

Panel

Castle Peak AB, Conference Level
Sensory Disruption in Fragile X
Syndrome and Related Autism
Spectrum Disorders

Chair: Elizabeth McCullagh
Alexander Chubykin, Anna Vlasits,
Leonard Kaczmarek, Lauren
Ethridge, Benjamin Auerbach

Panel

Grand Sierra D, Lobby Level
Translation and Back-Translation:
Understanding Decision-Making,
in the Context of Neurobehavioral
Disorders

Chair: Mariya Cherkasova
Co-chair: Cole Vonder Haar
Travis Smith, Leili Mortazavi

6:30 p.m. - 7:30 p.m.

Winter Brain Business Meeting
Grand Sierra B, Lobby Level

7:30 p.m. - 9:30 p.m.

Special Poster Session and
Reception
Alpine Ballroom AB, Lobby Level

WEDNESDAY, JANUARY 29TH

6:30 a.m. - 8:30 a.m.
Breakfast at Leisure

6:30 a.m. - 8:30 a.m.
Board of Directors Meeting
(Invitation Only)
Tinkers Knob, Lobby Level

7:30 a.m. - 9:30 a.m.

Panel
Monument Peak AB, Conference
Level
Cells and Circuits of
Somatosensation and Pain: From the
Periphery to the Brain
Chair: Theanne Griffith
Yarimar Carrasquillo, John Del
Rosario, Tayler Sheahan

Panel
Castle Peak B, Conference Level
Cross-Species Perspectives on the
Impact of Prenatal Substance Use on
Offspring Development
Chair: Valeria Lallai
Anne Murphy, Teesta Naskar

Panel
Pyramid Peak AB, Conference Level
Neural Circuits Underlying Normal
and Disrupted Reward and Cognitive-
Affective Processing in Adolescents
and Adult Animals
Chair: Sara Morrison
Millie Rincon-Cortes, Aqilah McCane,
Emily Sullivan

Panel
Neurotransmitter-Gated Ion-Channel
Complexes in Health and Disease
Chair: Derek Bowie
Co-chair: Katherine Roche
Ingo Greger, David Bredt

Panel
Alpine B, Lobby Level
New Wax, Sharp Edges and the Right
Load: Novel AAVs, Focused Gene
Delivery, and Efficient Therapeutics
Schussing to Outpace Neurological
Disorders
Chair: Kathrin Meyer
Marie-Eve Paquet, Isabelle Aubert,
Anurag Tandon, Shibi Likhite

Panel
Emigrant Peak B, Conference Level
Role of Endocannabinoids in
Modulating Circuits and Physiology
Chair: Susan Ingram
Co-chair: Tally Largent-Milnes
Erin Bobeck, Fabrice Dabertrand,
Basile Coutens

Panel
Alpine A, Lobby Level
Way More Than a Simple Incretin:
GLP-1 Functions in the Central
Nervous System and Implications
Across Neuropsychiatric Conditions
Chair: Mehdi Farokhnia
Derek Daniels, Nigel Greig, Elizabeth
Rhea, Serena Jingchuan Guo

WEDNESDAY, JANUARY 29TH

Panel

Castle Peak A, Conference Level
Ventral Hippocampal Control of Cue
Representations, Motivation, and Decision-
Making

Chair: Veronika Kondev
Jeremy Biane, Jeffrey Kates, Eshaan Iyer

4:30 - 6:30 p.m.

Panel

Emigrant Peak B, Conference Level
Chloride Homeostasis, the New Frontier in
Therapeutics for Chronic Pain and Beyond!

Chair: Yves De Koninck
Wendy Imlach, Francesco Ferrini, Pascal
Fossat, Sahara Khademullah

Panel

Pyramid Peak AB, Conference Level
Glial Cell Biology in Injury and Repair of the
Nervous System

Chair: Mayssa Mokalled
Meifan Chen, Cedric Geoffroy, Valeria
Cavalli

Panel

Alpine B, Lobby Level
In-N-Out the Lateral Hypothalamus Slopes:
Circuits Controlling Alcohol and Opioid use
Disorders

Chair: Marcus Weera
Todd Thiele, Jessica Babb, Diana Aketzali
Garcia, Aida Mohammadkhani

Panel

Alpine A, Lobby Level
Just One More Hit: Mechanisms Underlying
Drug Craving and Relapse

Chair: Christie Fowler
Presenters: Ginevra D'Ottavio, Malia
Bautista, David Dietz, Stephanie Daws

Panel

Monument Peak AB, Conference Level
Neural and Computational Bases of
Uncertainty in Judgement & Decision-
Making

Chair: Sean Ostlund
Co-chair: Mimi Liljeholm
Nadja Ging-Jehli, Hayley Dorfman, Erie
Boorman

Panel

Castle Peak A, Conference Level
Novel Concepts in Brain-Body
Homeostatic Control
Chair: Jasenka Zubcevic
Carie Boychuk, Kirsteen Browning, Alan
de Araujo

Panel

Emigrant Peak A, Conference Level
Roles for the Septum in Motivation and
Cognitive Process

Chair: Andrew Kesner
Co-chair: Petra Mocellin
Sanja Bauer Mikulovic, David Bortz

Panel

Castle Peak B, Conference Level
Tighten Your Bindings! How Cell-Cell
Interactions and Signaling Regulate
Synaptic Function

Chair: Matthew Dalva
Yimin Zou, Karen Zito, Andrea Gomez

6:30 p.m. - 7:30 p.m.

Cocktail Hour

Grand Sierra Ballroom Foyer, Lobby Level

7:30 p.m. - 11:00 p.m.

Awards Banquet and Dance
Grand Sierra Ballroom, Lobby Level

POSTER TITLES AND PRESENTERS

Please click the title to view the selection.

POSTER ABSTRACTS

Please click the title to view the selection.

PANEL ABSTRACTS

Please click the title to view the selection.

PRESENTER DISCLOSURES

Allsop, Aza:

Mefreely, LLC: Founder; Renaissance Ent, LLC: Founder

Bendall, Sean:

Ionpath Inc: Founder

Bredt, David:

Rapport Therapeutics: Founder

Cherkasova, Mariya:

International Center for Responsible Gaming: Grant

Cooper, Ziva:

Canopy Growth Corporation: Other Financial or Material Support; True Terpenes: Other Financial or Material Support; Storz and Bickel: Other Financial or Material Support

Corlett, Philip:

Tetricus Labs: Founder; Tetricus Labs: Board Member; Tetricus Labs: Stock/Equity – Privately Held Company

Cruz-Martin, Alberto:

The Dept. of Anesthesiology and NeuroTechnology Center (NTC) at The U. of Colorado Anschutz Medical Campus: Grant; 1R01 MH129732-01 NIH: Grant; R01EB029171-02 NIH: Grant; Industry grant #55208882 Alector Inc: Grant

De Koninck, Yves:

Axonis Therapeutics: Advisory Board Member

Ethridge, Lauren:

Tetra Therapeutics: Contracted Research; Simons Foundation: Honoraria; Autifony: Consultant; Novartis: Consultant; Healx: Consultant

Fowler, Christie:

GATC Health: Contracted Research

Geoffroy, Cedric:

NeuroCreis: Owner

Ging-Jehli, Nadja:

Carney Institute's Advancing Research Careers (ARC) program (NINDS/NIH): Grant; Swiss National Science Foundation: Grant

Hanson, Jesse:

Genentech Inc.: Employee

Kaye, Alfred:

Freedom Biosciences: Contracted Research

Liddelow, Shane:

AstronauTx Ltd: Owner; Synapticure: Owner

Likhite, Shibi:

Celenex/Amicus Therapeutics: Royalties; Cyto-Sen Therapeutics/Kiadis Pharma: Royalties; Alcyone Therapeutics: Royalties

Majumdar, Susruta:

Sparian Biosciences: Founder

Mayo, Leah:

Synendos Therapeutics: Consultant

McElligott, Zoe:

EpiCypher, Inc.: Grant

Meyer, Kathrin:

Alcyone Therapeutics: Employee; Alcyone Therapeutics: Stock/Equity – Privately Held Company; Alcyone Therapeutics: Patent; Merlin Therapeutics: Patent; Precision Biosciences: Consultant

Ofori, Edward:

Genentech: Consultant

Risbrough, Victoria:

Engrail Pharmaceuticals: Consultant; Jazz Pharmaceuticals: Consultant

Shepherd, Jason:

Aera Therapeutics: Stock/Equity – Privately Held Company; Ionis Therapeutics: Contracted Research

Siddiqi, Shan:

Magnus Medical: Consultant; BrainsWay Inc: Stock/Equity – Publicly Traded Company

Singer, Annabelle:

Cognito Therapeutics: Advisory Board Member

PRESENTER DISCLOSURES

Thompson, Scott:

ProNovo Therapeutics: Founder;
Otsuka: Advisory Board Member;
Terran Biosciences: Advisory Board
Member; Althea PBC: Advisory Board
Member

Vonder Haar, Cole:

Turner Scientific: Consultant

Zou, Yimin:

VersaPeutics: Founder; VersaPeutics:
Board Member; VersaPeutics: Employee

THE FOLLOWING PRESENTERS HAD NOTHING TO DISCLOSE

Adkins, DeAnna

Aery Jones, Emily

Alexander, Andy

Al-Hasani, Ream

Alilain, Warren

Anderson, Trent

Anguiano, Maribel

Apicella, Alfonso junior

Aubert, Isabelle

Auerbach, Benjamin

Azevedo, Estefania

Babb, Jessica

Balmer, Timothy

Bangasser, Debbie

Banihashemi, Layla

Baram, Tallie Z.

Barbano, Flavia

Barker, David

Barson, Jessica

Basbaum, Allan

Bauer Mikulovic, Sanja

Bautista, Malia

Bera, Krishn

Berendzen, Kristen

Biane, Jeremy

Boback, Erin

Boorman, Erie

Bortz, David

Bouabid, Safa

Bowie, Derek

Boyчук, Carie

Brady, Lillian

Brennan, Faith

Breton, Jocelyn

Broussard, Gerard

Brown, Solange

Browning, Kirsteen

Bryant, Camron

Byrne, Alexandra

Cahill, Catherine

Calarco, Cali

Calipari, Erin

Campos-Jurado, Yolanda

Carlson, Erik

Carrasquillo, Yarimar

Carter, Matt

Castro, Daniel

Cavalli, Valeria

Centanni, Samuel

Chan, Amy

Chaplin, Brian

Chen, Meifan

Chen, Yueyi

Cheong, Eunji

Chevee, Maxime

Choquet, Daniel

Chou, Shinnyi Cindy

Christoffel, Daniel

Chubykin, Alexander

Citri, Ami

THE FOLLOWING PRESENTERS HAD NOTHING TO DISCLOSE

Clarke, Rachel
Cohen, Akiva
Contet, Candice
Coutens, Basile
Crews, Fulton
Cucinello-Ragland, Jessi
Dabertrand, Fabrice
Dalva, Matthew
Daniels, Derek
Das, Sulagna
Davis, Elysia
Daws, Stephanie
de Araujo, Alan
De Wit, Joris
Deckers, Claire
Del Rosario, John
Dell'Acqua, Mark
Demery, Catherine
Devilbiss, David
DeVuono, Marieka
Diaz, Elva
Diba, Kamran
Dickson, Suzanne
Diering, Graham
Dietz, David
Dong, Chunyang
Dorfman, Hayley
D'Ottavio, Ginevra
Dowling, Kevin
Downs, Anthony
Edwards, Caitlyn
Effinger, Devin
Elerding, Abigail
Ely, Samantha
English, Daniel
Faget, Lauren
Falkner, Annegret
Farokhnia, Mehdi
Farris, Sean
Ferguson, Laura

Ferland, Jacqueline-Marie
Ferrini, Francesco
Filous, Angela
Fiske, Marion
Fitzpatrick-Schmidt, Taylor
Flanigan, Meghan
Folloni, Davide
Ford, Chris
Fossat, Pascal
Fox, Megan
Froemke, Robert
Frost, Nicholas
Fuccillo, Marc
Gao, Claire
Garavan, Hugh
Garcia Gutierrez, Diana Aketzali
Garner, Aleena
Gaudet, Andrew
Geffen, Maria
George, Olivier
Georgiou, Polymnia
Getz, Angela
Giardino, William
Girasole, Allison
Glynn, Laura
Goard, Michael
Gomez, Andrea
Gomez Arboledas, Angela
Gordon-Fennell, Adam
Green, Kim
Greger, Ingo
Greig, Nigel
Gremel, Christina
Griffith, Theanne
Guo, Serena Jingchuan
Halbout, Briac
Han, Sung
Harnett, Nathaniel
Harris, Kristen
Harris, Hannah

THE FOLLOWING PRESENTERS HAD NOTHING TO DISCLOSE

Haynes, Sherod
Hell, Johannes
Higginbotham, Jessica
Hilton, Brett
Hnasko, Thomas
Hollon, Nick
Holt, Leanne
Hook, Michelle
Horne, Mary
Hoy, Jennifer
Hoy, Colin
Hruska, Martin
Hume, Catherine
Hyde, Thomas
Igarashi, Kei
Imlach, Wendy
Ingram, Susan
Insanally, Michele
Iyer, Eshaan
Jang, Heejae
Jaster, Alaina
Jenkins, Bryan
Jhou, Thomas
Johansen, Joshua
Johnston, Morgan
Jones, Sara
Kaczmarek, Leonard
Karkhanis, Anushree
Kates, Jeffrey
Keegan, Bradley
Keinath, Alex
Kennedy, Matthew
Kesner, Andrew
Ketchesin, Kyle
Khademullah, Sahara
Khaing, Zin
Kheirbek, Mazen
Kimbrough, Adam
Kislin, Mikhail
Kokiko-Cochran, Olga

Kondev, Veronika
Kondiles, Bethany
Kramer, John
Kreeger, Lauren
Lafrenaye, Audrey
Lallai, Valeria
Lammel, Stephan
Lane, Robert
LaRowe, Lisa
Laubach, Mark
Lee, Stephanie
Lee, Christopher
LeGates, Tara
Levitt, Erica
Li, Songjun
Liljeholm, Mimi
Lintz, Tania
Lippi, Giordano
Liu, Robert
Logan, Ryan
Lujan, Miguel
Lukkes, Jodi
Luna, Beatriz
Lutas, Andrew
Ma, Pingchuan
Maiya, Rajani
Manoli, Devanand
Mao, Tianyi
Marchette, Renata
Marcinkiewicz, Catherine
Margolis, Elyssa
María Ríos, Cristina
Massaly, Nicolas
Mathur, Brian
Matikainen-Ankney, Bridget
McCane, Aqilah
McCreedy, Dylan
McCullagh, Elizabeth
McHenry, Jenna
McKenzie, Sam

THE FOLLOWING PRESENTERS HAD NOTHING TO DISCLOSE

McNulty, Connor
McReynolds, Jayme
Melzer, Sarah
Milinkeviciute, Giedre
Mills, Fergil
Milnes, Tally
Mingote, Susana
Miranda, Rajesh
Mocellin, Petra
Mohammadkhani, Aida
Mokalled, Mayssa
Molla, Hanna
Morales, Marisela
Morganti, Josh
Moron-Concepcion, Jose
Morrison, Sara
Mortazavi, Leili
Murphy, Anne
Muzzio, Isabel
Nadel, Jacob
Naskar, Teesta
Nautiyal, Katherine
Navratilova, Edita
Negishi, Ken
Neumaier, John
Newman, Amy
Niell, Christopher
Nitz, Douglas
Oblak, Adrian
O'Connor, Richard
O'Dea, Michael
O'Hare, Justin
Oldenburg, Ian
Ornelas, Laura
Ostlund, Sean
Ostroumov, Alexey
Palmer, Jensen
Palner, Mikael
Paquet, Marie-Eve
Parker, Krystal
Pastina, Joseph

Patarino, Makenzie
Patel, Sachin
Paz, Jeanne
Pekna, Marcela
Peña, Catherine
Pfaff, Samuel
Phillips, Paul
Piantadosi, Sean
Plude, Dana
Pomrenze, Matthew
Poplawski, Gunnar
Potter, Alexandra
Prevost, Emily
Puig, Stephanie
Quillinan, Nidia
Radley, Jason
Rhea, Elizabeth
Rincon-Cortes, Millie
Roche, Katherine
Rogers, Sophie
Root, David
Roshgadol, Jacob
Rowe, Rachel
Ruiz, Micaela
Sathyanesan , Aaron
Saunders, Benjamin
Savell, Katherine
Scheuren, Paulina
Schindler, Abigail
Schoonover, Kirsten
Scofield, Michael
Shaham, Yavin
Sharpe, Melissa
Sheahan, Tayler
Sianati, Setareh
Silm, Katlin
Singleton, Parker
Smith, Katharine
Smith, Travis
Sneddon, Elizabeth
Soden, Marta

THE FOLLOWING PRESENTERS HAD NOTHING TO DISCLOSE

Spring, Mitchell
St Laurent, Robyn
Stelzner, Margaret
Stujenske, Joe
Suchomelova, Lucie
Sullivan, Emily
Sun, Ramon
Sutton Hickey, Ames
Tadross, Michael
Tandon, Anurag
Tao, Huizhong
Taylor, Anna
Tedeschi, Andrea
Territo, Paul
Thiele, Todd
Thompson, Kerry
Tilden, Elizabeth
Tom, Veronica
Torregrossa, Mary
Torres, Delany
Trambaiolli, Lucas
Tritsch, Nicolas
Tseng, Kuei
Turner, Christopher
Vaughan, Gavin
Verpeut, Jessica
Vickers, Evan

Vilca, Samara
Vlasits, Anna
Walker, Brendan
Waller, Laura
Wanat, Matthew
Wang, Ruixiang
Ward, Patricia
Warlow, Shelley
Warwick, Charles
Wassum, Kate
Wasterlain, Claude
Wecht, Jill
Weera, Marcus
Wessa, Michele
Whistler, Jennifer
Wills, Tiffany
Woo, Joyce
Wood, Marcelo
Woodburn, Sam
Wooldridge, Lisa
Xia, Frances
Yang, Yang
Yee, Andrew
Zhang, Li
Zimmerman, Christopher
Zito, Karen
Zubcevic, Jasenka
Zweifel, Larry

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