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SfN Pre-Conference Sessions

GENERAL INFORMATION PROGRAM | WWW.SFN.ORG/PRECONFERENCE

Icon Key:

- 📅 Preregistration Required
- 💰 Course Fee
- 📖 Professional Development
- 🗺️ Networking
- ✳️ Public Outreach

SfN Pre-Conference Session Fees

SfN Pre-Conference sessions are sponsored by the Society and occur prior to the official start of the annual meeting. Paid registration is required for Short Courses. To attend, add the appropriate course to your annual meeting registration.

Short Courses 1 and 2

(Includes electronic course book and lunch)

| | |
|------------------------------|-------|
| Student member | \$150 |
| Student nonmember | \$225 |
| Postdoctoral member | \$225 |
| Postdoctoral nonmember | \$340 |
| Faculty member | \$295 |
| Faculty nonmember | \$445 |

Short Course 3

(Includes electronic course book)

| | |
|------------------------------|-------|
| Student member | \$75 |
| Student nonmember | \$115 |
| Postdoctoral member | \$115 |
| Postdoctoral nonmember | \$170 |
| Faculty member | \$150 |
| Faculty nonmember | \$225 |

FRIDAY, OCTOBER 19

Short Course 2

Quantifying Behavior as a Lens

Into the Brain 📅 💰 📖

8 a.m.–6 p.m.

McCormick Place: S100BC

Organizers: Robert S. Datta, MD, PhD and Mala Murthy, PhD

Contact: training@sfn.org

This course will cover new methods for collecting behavioral data; characterizing behavioral dynamics, components and sequences; and connecting neural activity

with behavior across scales. The instructors have broad expertise in the development and application of these methods across a variety of model systems, and lectures and demos will focus both on technical details as well as conceptual issues. There will also be discussion of advances that are needed to resolve the neural mechanisms that give rise to the myriad ways in which animals interact with their environments.

Short Course 1

Neural Prosthetics and Brain Machine

Interfaces 📅 💰 📖

8:30 a.m.–6 p.m.

McCormick Place: S100A

Organizers: Adrienne Fairhall, PhD and Charles Liu, MD, PhD

Contact: training@sfn.org

Brain-machine interfaces (BCIs) are devices that make direct contact with neural systems, translate brain signals into external commands, provide input to replace or augment functionality, or alter activity to disrupt dysfunction or drive plasticity. These tools are both an opportunity to replace or restore function, and a tool to better understand neural circuits. This short course will review technologies and algorithms for BCIs and neural prosthetics and discuss the transition to market.

Short Course 3

Cultivating Professionalism and Excellence in the Research Landscape 📅 💰 📖

1–5:30 p.m.

McCormick Place: S106

Organizers: Carlos Aizenman, PhD; Janet Clark, PhD; Marguerite Matthews, PhD; Rosalind A. Segal, MD, PhD; and Keith Trujillo, PhD

Contact: training@sfn.org

A significant part of achieving professional excellence and maintaining productive collaborative relationships is dependent on an institution's commitment to diversity, equity, and inclusion of all students, trainees, and faculty, especially those

from underrepresented groups. During this short course, attendees will explore how early career neuroscientists can navigate different aspects of the research landscape, including circumstances resulting from power dynamics, structural inequities, and different forms of bias.

SATURDAY, OCTOBER 19

Meet-the-Expert Series Session 1:

📅 🗺️

8–9:15 a.m.

Marriott Marquis Chicago

Contact: profdev@sfn.org

Understanding Cortical Development and Disease: My Path to Discovery

Great Lakes G

Paola Arlotta, PhD

Theme A: Development

Dr. Arlotta started her career working on the basic mechanisms that build cell diversity in the mammalian cerebral cortex. Her work now also focuses on mimicking aspects of cortical development *in vitro* through the generation of human brain organoids, which are stem cell-derived, reductionist replicas of the human developing brain. Dr. Arlotta will discuss her own scientific journey and the challenges associated with working with stem cell-derived models of the human brain.

Clinical Trialists Path: Building Teams

Great Lakes A

Merit Cudkowicz, MD

Meet-the-Clinician-Expert

Theme C: Neurodegenerative Disorders and Injury

There is an unprecedented opportunity now to develop effective treatments for people with neurological disorders. How to develop a career as a clinical trialist and approaches to developing and testing therapeutics for CNS disorders will be discussed. Examples from trials in Amyotrophic lateral sclerosis (ALS) and other neurological disorders will be shared.

Functional Regeneration Beyond the Glial Scar

Great Lakes E

Jerry Silver, PhD

Theme C: Neurodegenerative Disorders and Injury

Support contributed by: Thorlabs, Inc.

The goal of the Silver lab is to understand the basic biology that underlies regeneration failure in the adult spinal cord and then use this knowledge to develop strategies to overcome the lack of regeneration in order to promote functional repair. Dr. Silver will review more than 30 years of work that has focused on one of the most interesting families of inhibitory extracellular matrix molecules, the chondroitin sulfate proteoglycans, that are involved in creating such regenerative boundaries.

Circuit Dynamics: A Fly Perspective

Great Lakes F

Gaia Tavano, PhD

Theme D: Sensory Systems

Support contributed by: Thorlabs, Inc.

Neurons elaborate complex structures during development and those structures retain the capacity to undergo modifications that sustain adaptability in the adult animal's behavior. In this session, Dr. Tavano will examine the challenges of investigating the cell biological mechanisms of neuronal plasticity *in vivo* utilizing the model organism *Drosophila*. She will discuss her advances in revealing structural modifications in the adult fly brain and the career path that supported them.

I Can't Believe They Pay Me to Have Fun: The Privilege of Being a Scientist

Great Lakes C

Kamran Khodakhah, PhD

Theme E: Motor Systems

There is nothing more important than waking up every morning and smiling in anticipation of the coming day. The right career pick goes a long way in making that a reality. Being a neuroscientist is Dr. Khodakhah's dream job. His research aims to understand the underpinnings of cerebellar function and computation. He is interested in

delineating cerebellar contributions to motor and non-motor behaviors, with an eye on unraveling the fundamental underpinnings of brain disorders.

Translating Neuroscience: Obstacles and Opportunities

Great Lakes B

Kafui Dzirasa, MD, PhD

Theme G: Motivation and Emotion

Dr. Kafui Dzirasa investigates the network-level brain processes that signal emotions in health and disease. Dr. Dzirasa will describe his career path from an undergraduate chemical engineering student at the University of Maryland Baltimore County to a NIH-funded investigator at Duke University that contributed to framing BRAIN 2.0. This talk will also highlight the key patient encounters, scientific observations, and life experiences that shaped his scientific inquiry.

Twenty Years of Fear Research and Mentoring in Puerto Rico

Shedd Room

Gregory Quirk, PhD

Theme G: Motivation and Emotion

Support contributed by: Thorlabs, Inc.

Dr. Quirk's research focuses on the neural circuits of fear regulation. He recently shifted from Pavlovian fear conditioning to an active avoidance task that pits pursuit of food against pursuit of safety. The key to his success has been creating an optimal training environment by promoting communication skills, intellectual growth, and a sense of purpose. Simple mentoring techniques can help new PIs create successful laboratories in diverse settings.

Meet-the-Expert Series Session 2:



9:30–10:45 a.m.

Marriott Marquis Chicago

Contact: profdev@sfn.org

Understanding Molecules, Synapses, and Neural Plasticity: The Awesome Power of Genetics

Great Lakes F

Yishi Jin, PhD

Theme A: Development

Employing the powerful forward genetic analyses in *C. elegans*, Dr. Jin's lab has discovered key molecular pathways that instruct synapse formation, as well as the mechanisms regulating the critical period for connectivity switch in animal development and reactive neural plasticity under traumatic injury. This talk will discuss the logic and execution of curiosity-driven and the artful design of genetic analysis.

Myelin Plasticity: From Cognition to Cancer

Great Lakes E

Michelle Monje-Deisseroth, MD, PhD

Theme B: Neural Excitability, Synapses, and Glia

Activity-dependent plasticity of myelin is emerging as a recognized mechanism by which experience can modulate brain structure and function, with roles in motor and cognitive behavioral function. Dysregulation or dysfunction of myelin plasticity can contribute importantly to neurological disease. For example, dysfunction of adaptive myelination can cause impaired cognition following chemotherapy, while subversion of myelin plasticity mechanisms robustly promotes malignant glioma progression.

Seeing and Remembering What We've Seen

Great Lakes C

Nicole Rust, PhD

Theme D: Sensory Systems

Humans and other primates are extremely good at remembering images. Dr. Rust studies the neural mechanisms supporting this remarkable form of memory through investigations of human and animal visual

SfN Pre-Conference Sessions

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memory behaviors, measurements and manipulations of neural activity, and computational modeling. In this talk, she will describe her lab's pursuit of the neural signal that drives the sense of remembering that an image has been seen before.

Disuse Drives Plasticity in Human Brain Networks

Great Lakes B
Nico Dosenbach, MD, PhD
Meet-the-Clinician-Expert
Theme E: Motor Systems

Dr. Dosenbach's research focuses on characterizing human functional network organization and how it changes with development, injury, and recovery, using functional MRI (fMRI). Recently, he has pushed fMRI and resting state functional connectivity (RSFC) MRI acquisition and analysis methodology to the level of individuals, including patients. His lab has developed experimental paradigms that obtain repeated multi-modal MRI scans on the same individuals, for individual-specific image analyses.

Lessons for Songbirds and Scientists: Learning to Communicate More Effectively by Listening to Others

Great Lakes A
Yoko Yazaki-Sugiyama, PhD
Theme H: Cognition

Both songbirds and scientists learn to communicate through social interaction during development. Yoko Yazaki-Sugiyama has been investigating cell, circuit and systems mechanisms of innate songbird learning from auditory experience, including how birds detect their own species song, learn intensively with vocal communication, and learn exclusively during developmental critical periods. She draws parallels to her communication skills learned by listening to others during her development as a scientist.

Machine-Learning Assisted Directed Evolution of Viral Vectors and Microbial Opsins for Minimally Invasive Neuroscience

Great Lakes G
Viviana Gradinaru, PhD
Theme I: Techniques

Dr. Gradinaru's lab recently developed capsids capable of crossing the blood-brain barrier, enabling noninvasive delivery

of sensors and actuators to the CNS in transgenic and non-transgenic animals. With synergistic developments in actuators, systemic adeno-associated viruses (AAVs) will allow researchers to modulate defined cell types and circuits across multiple deep-brain structures in a minimally invasive manner and test the behavioral effects of this modulation in animal models.






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Networking, Public Outreach, and Advocacy

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Icon Key:

-  Preregistration Required
-  Course Fee
-  Professional Development
-  Networking
-  Public Outreach

SATURDAY, OCTOBER 19

NeuroJobs Career Center

Saturday, October 19–Tuesday, October 22, 8 a.m.–5 p.m.

Wednesday, October 23, 8 a.m.–3 p.m.

McCormick Place: Hall A

Contact: neurojobs@sfn.org

The on-site SfN NeuroJobs Career Center connects employers with a pool of well-qualified candidates seeking opportunities ranging from postdoctoral and faculty positions to neuroscience-related jobs in industry and other areas. Job seekers and employers can take advantage of private interview booths and computers for posting and applying for jobs. For prices and more information on how to set up a NeuroJobs account, visit www.SfN.org/neurojobs. On-site payment can be made by credit card only.

Graduate School Fair

Saturday, October 19, 1–3 p.m.

Sunday, October 20 – Tuesday, October 22, Noon–2 p.m.

McCormick Place: Hall A

Contact: training@sfn.org

Prospective graduate students can meet face-to-face with student advisors, program faculty, and graduate school representatives from more than 100 national and international institutions at the Graduate School Fair.

Brain Awareness Campaign Event

Illuminating the Path With Science Outreach

2:30–4 p.m.

McCormick Place: N226

Organizer: Teodora Stoica, MS

Contact: baw@sfn.org

Celebrate brain awareness and share your outreach achievements with Brain Awareness Week organizers from around the world. Recognize award winners from the Brain Awareness Video Contest, the Faculty for Undergraduate Neuroscience, and National Science Olympiad. Also hear from Teodora Stoica, founder of the Louisville and Kentucky Science Pathways Programs, summer internship programs that allow students from underprivileged neighborhoods to experience hands-on research in neuroscience labs.

Diversity Poster Session

6:30–8:30 p.m.

McCormick Place: Hall A

Contact: nsp@sfn.org

Join a special poster session and networking event featuring participants of the (NSP) Neuroscience Scholars Program, ENDURE, and other diversity fellowship programs.

Support contributed by:

eNeuro and JNeurosci

International Fellows Poster Session

6:30–8:30 p.m.

McCormick Place: Hall A

Contact: globalaffairs@sfn.org

Meet the next generation of leading young investigators from the Latin American Training Program (LATP) and award winners selected by the International Brain Research Organization (IBRO), Japan Neuroscience Society (JNS), and the Federation of European Neuroscience Societies (FENS).

Support contributed by:

eNeuro and JNeurosci

Trainee Professional Development Awards

Poster Session

6:30–8:30 p.m.

McCormick Place: Hall A

Contact: tpda@sfn.org

This poster session and networking event will honor award-winning posters from undergraduate and graduate students and postdoctoral fellows.

Support contributed by:

eNeuro and JNeurosci

Career Development Topics:

A Networking Event

7:30–9:30 p.m.

McCormick Place: Hall A

Contact: profdev@sfn.org

Experienced neuroscientists will answer attendee questions on a wide range of topics at this informal, roundtable event. Topics include work-life balance, securing grants, setting up a lab, choosing a postdoctoral position, and careers outside of academia, among others. Nearly 30 tables will be offered at the event. During the event, attendees will have the opportunity to rotate among the tables that are of interest to them. Neuroscientists at all career stages are encouraged to attend.

SUNDAY, OCTOBER 20

Social Issues Roundtable

Human Fusions: Ethical and Social Issues

Raised by Neural-Digital Interfaces

1–3 p.m.

McCormick Place: N230B

Organizer: Dustin J. Tyler, PhD

Contact: baw@sfn.org

Human-machine interfaces raise important ethical and social issues. Innovations promise to restore, alter, or enhance function in humans, but also may exacerbate existing social tensions around equality, identity, security, privacy, and access. This roundtable will address questions about the technology's impact on society and the conditions for its governance. In a world of rapidly expanding human-technology symbiotic unions, we explore how to keep humanity at the center.

MONDAY, OCTOBER 21

Animals In Research Panel 50

Treatments for Disorders of the Basal Ganglia and the Development of Deep Brain Stimulation: Translation of Non-Human Primate Research Into Clinical Therapeutics ✨

1–3 p.m.

McCormick Place: N230B

Organizer: Peter Strick, PhD

Contact: advocacy@sfn.org

Celebrate basic research discoveries using nonhuman primates and how they transformed treatments for patients. Using the concrete example of fundamental discoveries from 1971, this panel will follow the arc from the start of a basic discovery through its translational findings, advances in clinical practice, and groundbreaking technological developments for patients today. At the panel, attendees will have a firsthand look at real patient outcomes from developments with deep brain stimulation for those with conditions such as Parkinson's disease and disorders of the basal ganglia.

Support contributed by:

The National Primate Research Centers

Chapters Workshop

Fostering Chapter Engagement Through Your Local Brain Bee ☑

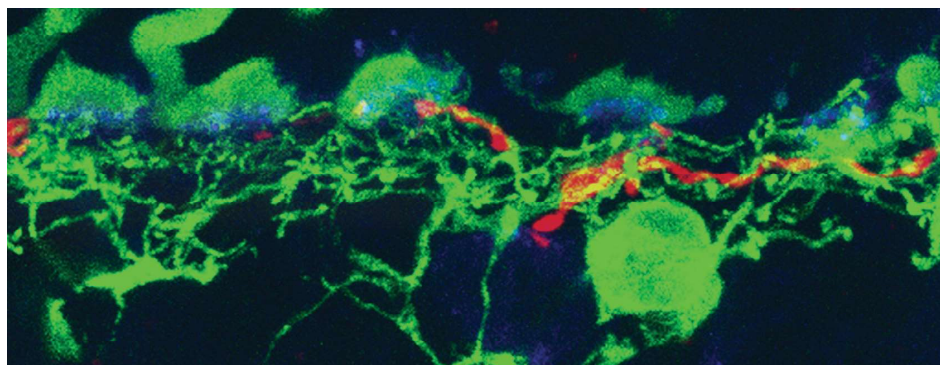
6:45–8:45 p.m.

Hyatt McCormick: Jackson Park

Organizer: Jennifer Yates, PhD

Contact: chapters@sfn.org

For more than 20 years, the International Brain Bee has ignited the interest in neuroscience of teen participants around the world. Many SfN chapters engage in this event by training students, hosting competitions, and sponsoring participants as an outreach effort. In this year's workshop, chapter leaders will discuss several aspects of a successful Brain Bee event: how to prepare for a Brain Bee event, creative Brain Bee activities, leadership structure and continuity, outreach strategies, and collaboration with industry and local partners. Attendees will enjoy an interactive and engaging evening focused on increasing interest and knowledge in neuroscience.



TUESDAY, OCTOBER 22

Celebration of Women in

Neuroscience Luncheon 📄 ☑ 50

Noon–2 p.m.

Marriott Marquis: Great Lakes AB

Contact: cwin@sfn.org

The annual Celebration of Women in Neuroscience Luncheon honors female leaders in neuroscience. During this year's luncheon, Kay Tye, PhD, will moderate a panel discussion focused on the advancements women have made in the field over the last 50 years and what still needs to be done to increase gender equality in honor of SfN's 50th anniversary. The panel will feature Huda Akil, PhD; Carol Mason, PhD; and Carla Shatz, PhD. For more information, visit www.SfN.org/cwinarsvp.

Public Advocacy Forum

The Role of Pharmaceutical Partnerships When Advocating for Basic Research ✨

2–3:30 p.m.

McCormick Place: N230B

Organizer: Moses V. Chao, PhD

Contact: advocacy@sfn.org

This panel will discuss why advocating for basic research is necessary from a variety of stakeholders, and the importance of the connection between basic and translational research. A panel of experts will share how basic research is used by pharmaceutical companies, why advocating for robust and sustained funding for research is an absolute necessity, and the importance of collaborative efforts to advance neuroscience understanding and to improve outcomes.

SfN Members' Business Meeting ☑

6:45–7:30 p.m.

McCormick Place: S501D

Contact: info@sfn.org

Join us at the Members' Business Meeting! Take advantage of this opportunity to share your thoughts and suggestions with the Society's leadership, learn more about SfN's latest accomplishments and how to get involved in SfN committees, and network with your peers.

Graduate Student Reception ☑

8:30–11:30 p.m.

Hyatt McCormick: Regency Ballroom

Contact: meetings@sfn.org

A reception will be held for graduate students and postdoctoral trainees. No invitation is required.

Support contributed by:

eNeuro and JNeurosci

Professional Development Workshops

GENERAL INFORMATION PROGRAM | [WWW.SFN.ORG/WORKSHOPS](http://www.sfn.org/workshops)

Professional Development Workshop Tracks

Professional Development Workshops are categorized by track to help attendees quickly identify the workshops that are of the greatest interest to them:

- ▶ Career Paths
- ▶ Career Skills
- ▶ Responsible Conduct of Research
- ▶ Neuroscience Education

SATURDAY, OCTOBER 19

Preparing for Your Career Away From the Bench: Essential Skills for Navigating Your Career Transition ▶

9–11 a.m.

McCormick Place: N227
Organizer: Annette Gray, PhD
Contact: profdev@sfn.org

Breaking into a new career path is challenging, particularly for those looking to make a move away from the bench. This workshop will discuss important skills to help you learn how to find your career path, make the transition, and grow throughout your career. Through a panel discussion and smaller group interactions, participants will learn about skills such as gaining relevant experience, developing and communicating your own brand, and practicing the art of negotiation.

Reproducibility for Everyone ▶

9–11 a.m.

McCormick Place: N228
Organizer: Aparna Shah, PhD
Contact: profdev@sfn.org

Rigor and reproducibility are at the core of modern science and set apart scientific inquiry from pseudoscience. Many new tools have been created to address barriers to reproducibility, which can be hard to sift through. This workshop will introduce you to reproducible workflows and a range of tools along the themes of organization, documentation, analysis, and dissemination. It will consist of a 90-minute interactive session followed by a 30-minute Q&A session with the instructors.

Integrating Research and Teaching at Primarily Undergraduate Institutions ▶

Noon–2 p.m.

McCormick Place: N227
Organizer: Joyce Fernandes, PhD
Contact: profdev@sfn.org

This workshop is relevant for postdoctoral fellows and graduate students to discuss strategies for integrating research and teaching with an overall goal of developing a successful research program at a primarily undergraduate institution (PUI). The workshop will have two parts: (1) Short presentations from invited speakers followed by Q&A and (2) Breakout sessions for detailed discussions and formulation of personal strategies and milestones for careers at PUIs.

Imposter Syndrome: Confronting the Career Development Monster Hiding Under the Bed ▶

Noon–2 p.m.

McCormick Place: N228
Organizers: Ericka Boone, PhD;
Marguerite Matthews, PhD; Sadye Paez, PhD
Contact: profdev@sfn.org

Imposter syndrome, an internalized fear of being 'exposed as a fraud', impacts ~70 percent of the population, particularly women and underrepresented groups, and may slow or stall optimal career advancement. This workshop is about leaning into, getting at the roots of, and reframing this intellectual self-doubt to confront the 'imposter' within us. Participants will learn from other neuroscientists' experiences as well as develop and implement their own strategies for reducing imposter behaviors.

Getting Creative with Course-Based Research Experiences to Enhance Scholarship and Generate Publishable Data ▶

3–5 p.m.

McCormick Place: N227
Organizers: Lina Dahlberg, PhD;
Jacqueline K. Rose, PhD
Contact: profdev@sfn.org

This workshop will feature a panel discussion on the topic of Course-based Research Experiences (CRE) that aim to enhance scholarship and produce publishable work. The panelists will highlight examples of CRE

projects geared towards original research and data generation across a broad range of neuroscience areas. An example of a collaborative course model where cooperation across two CRE courses allows for multi-level analyses of a research question will be shared.

How to Thrive as a Woman in Neuroscience ▶

3–5 p.m.

McCormick Place: N228
Organizer: Melissa Harrington, PhD
Contact: profdev@sfn.org

This workshop will feature a panel of diverse women speakers from a variety of backgrounds and career stages, and will focus on how women can be successful in their neuroscience careers. The panelists will speak from experience about dealing with the major obstacles that undermine the success of women including: bias (both implicit and explicit), marginalization within organizations, imposter syndrome and discomfort with competitive environments, balancing work and family, and childcare.

SUNDAY, OCTOBER 20

Bringing Genetic Diversity to Neuroscientific Research ▶

9–11 a.m.

McCormick Place: N228
Organizer: Elissa Chesler, PhD
Contact: profdev@sfn.org

The vast majority of research in the neurosciences is performed in the very limited context of widely used strains of mouse, rat, *Drosophila*, and other organisms. Genetic variation in mouse, rat, *Drosophila*, and other species reveals biological mechanisms of neural and behavioral phenomena through population genetic and genomic analyses. In this workshop, panelists will discuss benefits and approaches for bringing genetic diversity into conventional neuroscientific research.

Navigating Team Science ▶ 50

9–11 a.m.
McCormick Place: N227
Organizers: Lique Coolen, PhD;
Chiara Manzini, PhD
Contact: profdev@sfn.org

As neuroscience becomes more interdisciplinary it requires expertise from multiple sub-fields, leading to collaborations within and outside of academia. This workshop will showcase different types of "team science" projects. Trainees and young investigators who are interested in team science are encouraged to attend to hear how the featured projects were conceived and managed and learn the pros and cons of working with scientists from different backgrounds towards a common goal.

Becoming a Resilient Scientist ▶

Noon–2 p.m.
McCormick Place: N227
Organizer: Janet A. Clark, PhD
Contact: profdev@sfn.org

Resilience is important in navigating your career in science. In this interactive workshop, we will discuss attitudes and behaviors that can get in our way and explore strategies for building resilience, dealing with self-doubt, and developing our confidence. The workshop will highlight the emotional intelligence competencies needed for success in research and healthcare careers and will provide insights into approaches for developing these competencies as part of your training experience.

Science Management ▶

Noon–2 p.m.
McCormick Place: N228
Organizer: Tanya Brown, PhD
Contact: profdev@sfn.org

The landscape of scientific research is changing. Today's researchers need to participate in large-scale collaborations, secure and oversee funding, share data, and publish and undertake Knowledge Translation (KT) activities in order to be successful. As per these increasing demands, Science Management (SM) is now a vital skill all researchers can benefit from adopting. The goal of this workshop is to motivate



participants to regard SM as an essential component of their workflow and obtain practical project management skills.

Neuroscience Departments and Programs Workshop 50

Hiring and Promoting Faculty in the Era of Team Science ▶

2:30–5 p.m.
McCormick Place: N227
Organizer: Rosalind Segal, MD, PhD
Contact: training@sfn.org

As research becomes more collaborative and global, team science is becoming the "new normal." Despite this, many institutions have not yet adapted their traditional academic recruitment and promotion processes to account for scientists whose research increasingly relies upon interdisciplinary teamwork and global collaboration. This workshop will explore how institutional leaders can recognize and evaluate team science when it comes to faculty hiring and advancement and adapt their hiring and tenure practices to reflect the growing team science approach to research.

*Support contributed by:
The National Institute of Neurological Disorders and Stroke under SfN's "Foundations of Rigorous Neuroscience Research" grant*

Building a Neuroscience Career at a Teaching Focused Institution ▶

3–5 p.m.
McCormick Place: N228
Organizer: Melissa Harrington, PhD
Contact: profdev@sfn.org

Doctoral universities with high to moderate research activity represent only seven percent of U.S. institutions of higher education, and educate less than a third of U.S. college students. Most U.S. faculty positions are not at research universities. This workshop will feature a panel of diverse speakers who are faculty at a variety of primarily undergraduate institutions (PUIs). The panelists will speak from experience about the preparation and paths that lead to career success and satisfaction at PUIs.

Professional Development Workshops

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MONDAY, OCTOBER 21

Advancing Your Career Through Effective Science Writing for the Public and Creating Eye-Catching Research Statements ▶

9–11 a.m.

McCormick Place: N227

Organizer: Eduardo Rosa-Molinar, PhD

Contact: profdev@sfn.org

This hands-on workshop focuses on overcoming the challenges of writing clear, effective research summaries. Presenters will demonstrate how to: communicate complex scientific topics for the public and scientists outside the field; articulate the importance of one's research; and place the work in the context of increasing scientific knowledge and improving public health. Participants will write research summary drafts and learn how to meet the challenge of translating science for various audiences.

The Art of Building a Career ▶

9–11 a.m.

McCormick Place: N228

Organizer: Martha Davila-Garcia, PhD

Contact: profdev@sfn.org

We all have the potential to build a productive scientific career. During this workshop, a panel of speakers from around the world will discuss the following five fundamental principles for building a successful career: (1) Be reflective about where you want to go; (2) Be proactive and prepared for what is coming; (3) Be ready to self-promote; (4) Be willing to adapt, change, and modify your goals based on challenges and opportunities; (5) Be collaborative, get a mentor, and build a network.

Optimize Your Grant Application: News You Can Use From the NIH ▶

Noon–2 p.m.

McCormick Place: N228

Organizer: Bruce Reed, PhD

Contact: profdev@sfn.org

The purpose of this workshop is to help new investigators improve their funding chances. Representatives of the NIH Center

for Scientific Review will discuss navigating review, what reviewers look for, and new things NIH is asking reviewers to focus on. Senior staff at NINDS, NIA, NIMH, and NIDA will discuss funding opportunities and priorities for their institutes and offer their perspectives on what contributes to early career success. People from all career stages are welcome, but the program is directed at early stage investigators.

Teaching Computation in Neuroscience ▶

Noon–2 p.m.

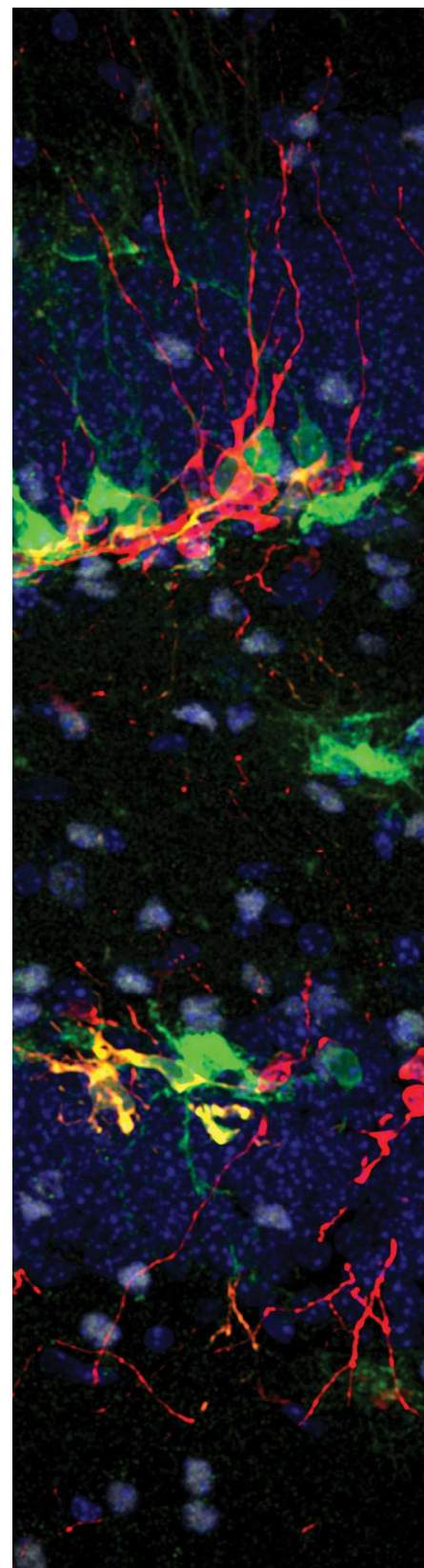
McCormick Place: N227

Organizers: William Grisham, PhD;

Richard Olivo, PhD

Contact: profdev@sfn.org

This workshop will review current examples of teaching computation for neuroscience. It will begin with the statistical foundations that students need and consider which programming languages are most useful. It will continue with computational methods for physiological data, practical aspects of teaching computational neuroscience, and end with an overview of resources for teaching and learning computational modeling in neuroscience.



SfN-Sponsored Socials are open to all registered annual meeting attendees.

SUNDAY, OCTOBER, 20

6:45–8:45 P.M.

Brain and Retina Organoids Social

Social w/ Brief Presentation

McCormick Place: N230B

Chair: Steven Becker

Co-Chair: Giorgia Quadrato

This social is intended to bring together a variety of researchers from different career stages who are working on brain and retina organoids. It is an opportunity for attendees to network and share experiences in this emerging area of study. There will be brief remarks from experts who will be asked to highlight some of the recent notable advances in this exciting field.

Breaking Barriers for Young Women in Science Social

Purely Social

McCormick Place: N231

Chair: Ghazaleh Sadri-Vakili

Co-Chair: Courtney A. Miller

This social will provide a forum for women scientists of all levels to interact with mentors on a one-on-one basis, providing the opportunity to ask questions in a relaxed but formatted environment that overcomes typical barriers to approaching and interacting with experienced colleagues. This will be a great opportunity to learn about academic and non-academic career paths available to neuroscientists, gain further insight into handling the challenges inherent to a career in STEM, and to grow your professional network.

Conversations on Cajal Social

Social w/ Brief Presentation

McCormick Place: N138

Chair: Carol Mason

Co-Chair: Oscar Marin

This social celebrates the namesake of this club, Santiago Ramon y Cajal. The social follows the 2018 exhibit of "The Beautiful Brain" in Minnesota, New York, and Boston, a collection of original drawings of Cajal. Three experts on Cajal's work and life will

bring novel information to the attendees on Cajal's work and life, and the impact it has had on neuroscience.

Faculty for Undergraduate Neuroscience (FUN) Poster Session and Social

Social w/ Brief Presentation

McCormick Place: N226

Chair: Hewlet G. McFarlane

Co-Chair: Ronald J. Baylne

Socialize and exchange ideas with those interested in undergraduate neuroscience research and education. Undergraduates will present their research; Faculty for Undergraduate Neuroscience (FUN) Student Travel Awards and Educator of the Year Awards will also be presented.

International Brain Bee Social

Social w/ Brief Presentation

McCormick Place: N230A

Chair: Astrid Eberhart

Co-Chair: Norbert R. Myslinski

A new social for all neuroscientists interested in the Brain Bee initiative (www.theBrainBee.org). Socialize and exchange ideas with fellow Brain Bee coordinators and past competitors. Newcomers will be able to find out how to get involved in this educational outreach program and get tips on how to run a local or national/regional Brain Bee competition.

Neural Oscillations Social

Purely Social

McCormick Place: N135

Chair: Molly Hearn

Co-Chair: Keith Doelling

A social for all neuroscientists deeply in love with all aspects oscillatory about brain function. Neural oscillations have been ubiquitous at SfN for many years. However, more light-hearted, out-of-the-box exchange over what may or may not unite the diverse fields that study oscillatory changes in excitability, from membrane potentials to behavioral corollaries, has been missing. Join us in meeting, greeting, and quizzing random people who love neural phase just as much as you do.

Neuroethics Social

Social w/ Brief Presentation

McCormick Place: N137

Chair: Winston Chiong

Co-Chair: Khara M. Ramos

Join fellow neuroscientists at this informal gathering to socialize, network, and exchange ideas about the ethical implications of neuroscience research and education. A brief panel presentation will focus on how neuroethics can be integrated into neuroscience careers, featuring representatives from training programs and professional societies, and early career neuroscientists to discuss benefits as well as challenges in this integration.

Neuroethology/Invertebrate Neurobiology Social

Purely Social

McCormick Place: N139

Chair: Wolfgang Stein

Co-Chair: Richard B. Dewell

Join us to celebrate neuroethology and the role the nervous system plays in producing behaviors. All members of the neuroscience community are welcome, and in particular those who work on the neural basis of behavior. If you are looking for an opportunity to discuss new and interesting concepts and/or are simply looking to meet old friends and make new ones, this social is for you. Postdocs and students are encouraged to drop in for socializing and networking.

Neuroscience and Architecture: Measurement for Design Social

Social w/ Brief Presentation

McCormick Place: N133

Chair: Thomas D. Albright

Co-Chair: Frederick M. Marks

"We shape our buildings, and afterwards our buildings shape us." As Winston Churchill aptly noted, the built environment has a profound impact on human experience. In this social, there will be presentations from architects and neuroscientists working at the interface of the two fields. The social will focus on physiological and neurological measurements that can inform design and

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assess how buildings affect the occupants, including populations with developmental and neurodegenerative diseases.

Open, FAIR, and Reproducible Neuroscience Social

Purely Social

McCormick Place: N136

Chair: Jean-Baptiste Poline

Co-Chair: Maryann E. Martone

This social will provide a forum for all neuroscientists interested in open, FAIR, and reproducible science to exchange ideas. Find new collaborators who have resources you need, recruit new users for your tools, or join up to solve standards and interoperability issues with other scientists and developers. Come and help to make neuroscience research more reproducible!

Spinal Cord Injury Social

Purely Social

McCormick Place: N140

Chair: Dana M. McTigue

This social is open to all trainees and faculty interested in spinal cord injury research or clinical care. Please come mingle with your fellow scientists and discuss current areas of research, ongoing clinical trials and ideas for future studies. We hope to see you there!

MONDAY, OCTOBER 21

6:45–8:45 P.M.

Behavioral Neuroendocrinology Social Social w/ Brief Presentation

McCormick Place: N226

Chair: Barney A. Schlinger

Co-Chair: Brian C. Trainor

This longstanding and popular social brings together members of the Society for Neuroscience (SfN) with interest in the endocrine regulation of brain and behavior. Research in this area covers a broad range of topics including development, sex-differences, neural networks and systems, neuroplasticity, and clinical neuroscience. It attracts a diverse set of attendees including students at all levels, postdoctoral fellows, senior researchers, and clinicians. Not only is this an opportunity for this group to convene at the SfN meeting, but it is also the occasion to announce several awards in behavioral neuroendocrinology.

Cerebellum Social

Purely Social

McCormick Place: N231

Chair: Roy V. Sillitoe

Co-Chair: Alexandra L. Joyner

The Cerebellum Social is an informal gathering of all researchers and clinicians interested in the cerebellum. This social encourages interactions between students, postdocs, research staff and faculty. There are no formal presentations; collaborative discussions and networking opportunities make up the main agenda.

Chemical Senses Social

Purely Social

McCormick Place: N133

Chair: Alfredo Fontanini

Co-Chair: Leslie M. Kay

Anyone interested in the chemical senses (smell, taste, licking, sniffing, chemical signaling, trigeminal irritation or internal chemoreception) is invited to an evening of piquant conversations and tasteful socializing. Scientists working in humans and any animal model, and those at all stages of their career — trainees and mentors, students, postdocs and PIs — are welcome to discuss their scientific and professional interests. Join a purely social event to connect with friends, but more importantly make new ones.



Epilepsy Social**Social w/ Brief Presentation**

McCormick Place: N138

Chair: Joaquin N. Lugo

Co-Chair: Christina Gross

Epilepsy research is challenging and highly diverse. With increasingly sophisticated techniques available, it is essential to collaborate to move the field forward. This social welcomes those with an interest in epilepsy to join us for an evening of social networking with leading experts and with representatives from the NIH, AES, and CURE. This is a great opportunity for all to engage in productive discussions, establish collaborations, or simply enjoy networking in a comfortable and fun social setting.

Ingestive Behavior Social**Purely Social**

McCormick Place: N137

Chair: Ruth B. S. Harris

Co-Chair: Derek Daniels

After a stimulating day of SfN presentations, come and socialize with your colleagues and meet new people interested in the areas of neuroscience related to the control of eating and drinking. Whether you are an established investigator, a student, or a postdoc, if you are interested in the science of ingestive behavior and related areas of neuroscience, then you should join this social. Plan to attend, mix, mingle, and take the opportunity to establish new connections and collaborations while relaxing at the Ingestive Behavior Social.

Marmoset Social**Social w/ Brief Presentation**

McCormick Place: N230A

Chair: Jude F. Mitchell

Co-Chair: Partha P. Mitra

The rapid adoption of the marmoset as an animal model in neuroscience has created a high demand for venues to facilitate interaction, exchange practical information and form new collaborations. In this event a panel of investigators will play "Marmoset Jeopardy," a game to survey recent research. Students will submit images of their data for panelists to identify and reveal the answers.

Later the floor will be open for questions to panelists and brief announcements, followed by time to socialize.

Music Social**Purely Social**

McCormick Place: W190

Chair: Robert Riddle

Co-Chair: William J. Pearce

Your SfN colleagues have amazing musical talents. All are encouraged to participate and/or enjoy a great evening of music. This social encourages new performances and musical diversity. Members interested in participating should contact the chair by September 13th and provide info describing their musical selection(s), and accompaniment needs. The program will be determined shortly thereafter. Performances are typically 10 minutes and SfN will provide a variety of musical instruments.

Open-Source Technology Social**Purely Social**

McCormick Place: N135

Chair: Jakob Voigts

Co-Chair: Denise J. Cai

Socialize and exchange ideas with researchers developing and using open-source tools for neuroscience research. Chat with the people behind the projects and learn about the wide variety of open-source tools that can help your experiments be more robust, reliable and creative. Join this social for an evening of fun, and you might even find a new collaborator for your open-source project!

Pain, Touch, and Itch Social**Purely Social**

McCormick Place: N139

Chair: Cheryl L. Stucky

Co-Chair: Theodore J. Price

Gather with fellow "pain, touch, and itch" neuroscientists for an opportunity to unwind and exchange ideas with peers. Everyone is invited to this purely social gathering, where established leaders and early career investigators can reconnect with old friends and make new ones. This social event is a great opportunity to find

potential collaborators in an informal and relaxed atmosphere.

Psychopharmacology Social**Purely Social**

McCormick Place: N140

Chair: Stan B. Floresco

Co-Chair: Jill A. McGaughy

Please join this social to socialize with people who know a thing or two about mind-altering substances. Your hosts will enjoy enabling SfN attendees to catch up with colleagues, meet others in the field, loosen up with a refreshing beverage after a hard day of science, and groove to a psychopharmacologically-inspired playlist. Intermingling between more senior scientists and trainees is strongly encouraged, and all are welcome.

TUESDAY, OCTOBER 22**6:45-8:45 P.M.****Alzheimer's Disease and Related****Dementias Social****Purely Social**

McCormick Place: N139

Chair: Jose F. Abisambra

Co-Chair: Laura J. Blair

Current and future Alzheimer's disease or related dementia researchers, join this social for an inclusive, purely social gathering that will bring together experts, early career investigators, postdocs and students interested in Alzheimer's disease and related dementias research. Stop by and mingle. Reconnect with old friends and make new ones. All are welcome to join!

Computational Neuroscience Social**Purely Social**

McCormick Place: N140

Chair: Kiah Hardcastle

Co-Chair: Jantine A. C. Broek

This social intends to bring together neuroscientists working on all aspects of computational neuroscience. It is an opportunity for attendees to network with other computational neuroscientists and to exchange notes on the latest methods and studies. It's also a chance to learn about opportunities, such as summer schools and

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graduate schools, that can further your computational knowledge.

Decision Neuroscience Social

Social w/ Brief Presentation

McCormick Place: N136

Chair: Paul W. Glimcher

Co-Chair: Michael N. Shadlen

Over the last decade decision neuroscience has grown to encompass almost 4 percent of the material presented at the annual meeting. This social will provide an opportunity for graduate students, postdocs and faculty to exchange ideas, build new collaborations or just socialize. Whether you study perceptual decision-making with the DDM or economic choice with a BDM, this is the place for you. This year's inaugural social will begin with brief remarks on the history of our subfield by leaders in our field.

Glia Social

Purely Social

McCormick Place: N137

Chair: Helmut O. Kettenmann

Co-Chair: Bruce R. Ransom

Over the last couple of years it has been recognized that glia play an important role for normal brain function and in any type of brain disease. This is a purely social opportunity to interact with current and future leaders in the field of neuron-glia interactions. Many prominent scientists have agreed to join the meeting and will foster interaction with students and young colleagues.

Global Neuroscience Social

Social w/ Brief Presentation

McCormick Place: N138

Chair: Megan R. Carey

Co-Chair: Haruhiko Bito

Different countries have different ways of presenting neuroscience. Experiencing neuroscience in foreign countries will give you a new perspective in your science career. This social will be focused on mixing neuroscientists from American, European, and Asian countries and encouraging them to acquire experience in new countries. Pls with

their labs in foreign countries will give short presentations to discuss their experiences. (<https://twitter.com/GlobalNeurosci>).

Hippocampus Social

Purely Social

McCormick Place: N231

Chair: Steve Ramirez

Co-Chair: Sara N. Burke

The Hippocampus Social continues a decades-long tradition as a well-attended staple social at SfN. It gathers the large community of hippocampus scientists under one roof to get to know one another. It also provides important professional development opportunities for younger neuroscientists to casually interact with the field's luminaries. The purpose of the social is to continue to unify our hippocampus community and to build new bridges across all its members through an evening of dinner, games, and prizes.

Neuroendocrinology Social

Purely Social

McCormick Place: N226

Chair: Debra A. Bangasser

Co-Chair: Georgia E. Hodes

This year's social will feature the "Battle of the Sexes Quiz Show: The Rematch." Five years ago, a team of male neuroendocrinologists faced off with a team of female neuroendocrinologists to determine which gender knew more esoteric neuroendocrine trivia. The women were victorious. In this rematch, come and compare your knowledge with that of our expert contestants and see if the men will celebrate a comeback win or if the women will again take the prize.

Neuroscience and Writing Social

Purely Social

McCormick Place: N136

Chair: Isabel Low

Co-Chair: Megan A. Kirchgessner

Now more than ever it is essential that we as scientists communicate with each other and with the general public. NeuWrite and other writing groups have served the role

of connecting neuroscientists and writers, with the goal of communicating the scientific process to anyone, regardless of background or training. If you're passionate about communicating science, or if you'd like to learn about the intersection of neuroscience and writing, please join this social to network, mingle, and swap writing tips.

Platforms for Team Science and Data Sharing: Unlocking Data to Drive Innovation in Translational Research Social

Social w/ Brief Presentation

McCormick Place: N230A

Chair: Magali Haas

Co-Chair: Lee Lancashire

Leaders in computer science, neuroscience and neuroinformatics will informally debate the barriers and opportunities that exist for platforms that facilitate data sharing and analytics in brain research. A short video of BRAIN Commons, a new platform designed to fuel the use of big data in brain disease, will be shown. Discussion points will include the interoperability of existing data sharing platforms, the breadth of data currently available, the discoverability of existing data, and the incentives for researchers to share their data.

Synapses Social

Purely Social

McCormick Place: N135

Chair: C. Andrew Frank

Co-Chair: Clark A. Lindgren

Friends and colleagues who are interested in synapse development and function gather for a yearly and popular SfN social. Join us in an informal setting to grab some refreshments, chat about the latest results, and visit with friends. Everyone is welcome! Vertebrate, invertebrate, central, peripheral —colleagues who study almost any type of synapse will be well represented. What better place to form new connections or to strengthen existing ones than the Synapses Social? See you Tuesday evening.

Satellite Events & Non-SfN Socials

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Full descriptions and the latest details on these satellite events and socials not sponsored or organized by SfN are available online at www.SfN.org/satellites. These events are also available in the Neuroscience Meeting Planner (NMP), which is accessible at www.SfN.org/nmp, and in the meeting mobile app, available for download on Apple and Android mobile devices.

SPONSOR KEY:

| | |
|-------------------------|---|
| Commercial | 1 |
| University / Non-Profit | 2 |
| Individual / Group | 3 |

| TITLE | TIME | MORE INFO | LOCATION/ROOM | KEY |
|---|---------------------|--|---|-----|
| Wednesday, October 16 | | | | |
| 52nd Annual Meeting of the International Society for Developmental Psychobiology (ISDP) | 1–7:30 p.m. | besuther@fiu.edu | Swissôtel Chicago | 2 |
| American Society of Neurorehabilitation Annual Meeting | 1–7 p.m. | info@asnr.com | DoubleTree by Hilton Hotel Chicago-Magnificent Mile | 2 |
| BrightFocus Alzheimer's Fast Track | 7 a.m.–5 p.m. | ksummers@brightfocus.org | Oakbrook, IL | 2 |
| Thursday, October 17 | | | | |
| 2019 International Neuroethics Society Annual Meeting | 9 a.m.–4:30 p.m. | kgraham@neuroethicssociety.org | Radisson BLU Hotel, Pacific Ballroom 221 North Columbus Street, Chicago | 2 |
| 2019 International Neuroethics Society Public Program | 5–7 p.m. | kgraham@neuroethicssociety.org | Northwestern University McGaw Pavilion, 240 E. Huron, Chicago | 2 |
| 2019 Marmoset Bioscience Symposium | 7 a.m.–6 p.m. | marmohub@gmail.com | Greenhouse Loft, 2545 W. Diversey Ave. Chicago | 3 |
| 2019 Molecular and Cellular Cognition Society Poster Session | 6:30–9:30 p.m. | ted-abel@uiowa.edu | Simpson Querrey Biomedical Research Center at Northwestern University downtown campus | 2 |
| 52nd Annual Meeting of the International Society for Developmental Psychobiology (ISDP) | 7:30 a.m.–7:30 p.m. | besuther@fiu.edu | Swissôtel Chicago | 2 |
| American Society of Neurorehabilitation Annual Meeting | 7 a.m.–8 p.m. | info@asnr.com | DoubleTree by Hilton Hotel Chicago-Magnificent Mile | 2 |
| Barrels XXXII | 8:30 a.m.–10 p.m. | joshua.brumberg@qc.cuny.edu | Northwestern University School of Medicine, Chicago | 3 |
| BrightFocus Alzheimer's Fast Track | 7 a.m.–5 p.m. | ksummers@brightfocus.org | Oakbrook, IL | 2 |
| Next Generation Computational Psychiatry | 9 a.m.–5:30 p.m. | computationalpsychiatry.org | The Congress Plaza Hotel & Convention Center | 2 |
| J.B. Johnston Club for Evolutionary Neuroscience | 8 a.m.–7:30 p.m. | jbclub1980@gmail.com | The University Center | 3 |
| Friday, October 18 | | | | |
| 2019 International Neuroethics Society Annual Meeting | 9 a.m.–7 p.m. | kgraham@neuroethicssociety.org | Radisson BLU Hotel, Pacific Ballroom 221 North Columbus Street, Chicago | 2 |
| 2019 Molecular and Cellular Cognition Society Symposium | 8 a.m.–5 p.m. | https://molcellcog.org/ | McCormick Place: N228 | 2 |
| 52nd Annual Meeting of the International Society for Developmental Psychobiology (ISDP) | 7:30 a.m.–6:30 p.m. | besuther@fiu.edu | Swissôtel Chicago | 2 |
| Advances in Motor Learning and Motor Control | 12:30–7 p.m. | alaa@colorado.edu | McCormick Place: S104 | 2 |

Satellite Events & Non-SfN Socials

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| TITLE | TIME | MORE INFO | LOCATION/ROOM | KEY |
|---|---------------------|-----------------------------------|--|-----|
| American Society of Neurorehabilitation Annual Meeting | 7 a.m.–7 p.m. | info@asnr.com | DoubleTree by Hilton Hotel Chicago-Magnificent Mile | 2 |
| Annual NIDA-NIAAA Frontiers in Addiction Research Mini-Convention | 8:30 a.m.–5:30 p.m. | rsorense@mail.nih.gov | Marriott Marquis: Great Lakes EF | 2 |
| APAN- Advances and Perspectives in Auditory Neuroscience | 8 a.m.–5:30 p.m. | www.med.upenn.edu/apan | Wyndham Grand Chicago Riverfront | 2 |
| Barrels XXXII | 8:30 a.m.–5 p.m. | joshua.brumberg@qc.cuny.edu | Northwestern University School of Medicine, Chicago | 3 |
| BrightFocus Alzheimer's Fast Track | 7 a.m.–5 p.m. | ksummers@brightfocus.org | Oakbrook, IL | 2 |
| Fourth International Symposium on Sigma-2 Receptors | 9 a.m.–3 p.m. | asherwood@cogrx.com | Center For Translational Research and Education, Loyola Health Science Campus, Maywood, IL | 2 |
| Induction and Resolution of CNS Neuroinflammation and Neurotoxicity | 8:45 a.m.–5:30 p.m. | harry@niehs.nih.gov | Loyola University Chicago, Water Tower Campus Regents Hall, E. Pearson St. Chicago | 2 |
| J.B. Johnston Club for Evolutionary Neuroscience | 8 a.m.–9 p.m. | jbclub1980@gmail.com | The University Center | 3 |
| Neuroscience of Movement Disorders | 7 a.m.–5 p.m. | dstandaert@uab.edu | McCormick Place: N227 | 2 |
| New Perspectives on Cerebellar Function: Implications for Mental Health | 8:30 a.m.–5 p.m. | rossia@mail.nih.gov | Marriott Marquis: Great Lakes A | 2 |
| Next Generation Computational Psychiatry | 9 a.m.–5:30 p.m. | computationalpsychiatry.org | The Congress Plaza Hotel & Convention Center | 2 |
| Orofacial Functions: From Neural Mechanisms to Rehabilitation | 8:30 a.m.–5 p.m. | kazutaka@uchicago.edu | Shirley Ryan Abilitylab, 355 E. Erie St. Chicago | 1 |
| Sleep-Dependent Memory Consolidation: Bridging Replay and Reactivation | 1–7 p.m. | eitan.schechtman@northwestern.edu | Northwestern Chicago Campus | 2 |
| Using NEURON to Model Cells and Networks | 9 a.m.–5 p.m. | ted.carnevale@yale.edu | www.neuron.yale.edu/neuron/courses | 2 |
| Saturday, October 19 | | | | |
| Chinese Neuroscientists Social | 6:30–9 p.m. | wu.longjun@mayo.edu | Marriott Marquis: Great Lakes F | 2 |
| Diving DEAP into Adolescent Brain and Cognitive Development (ABCD) Study Data | 6:30–9:30 p.m. | sgrant@nida.nih.gov | Hyatt McCormick: Regency Ballroom C | 2 |
| Exploring Brain Cell Type Diversity with The Allen Brain Explorer and Allen Cell Types Database | 8–10:30 a.m. | kaitlync@alleninstitute.org | Hyatt McCormick: Grant Park AB | 2 |
| Exploring the Mouse Visual System: The Allen Brain Observatory | 8–10:30 a.m. | kaitlync@alleninstitute.org | Hyatt McCormick: Grant Park CD | 2 |
| Friends of Case Western Reserve University and Cleveland Clinic Social | 6:30–8:30 p.m. | cmiller@hb.edu | Marriott Marquis: Great Lakes A | 2 |
| FTD Social | 6:30–8:30 p.m. | dniehoff@theaftd.org | Marriott Marquis: Shedd AB | 2 |
| g.tec's Brain-Computer Interface (BCI) Workshop | 6:30–10 p.m. | guger@gtec.at | McCormick Place: N230B | 1 |
| Light-Sheet Fluorescence Microscopy: A Key Tool for 3D Imaging of Neuronal Samples | 6:30–10 p.m. | jessica.celentano@bruker.com | Marriott Marquis: Water Tower AB | 1 |

Satellite Events & Non-SfN Socials

GENERAL INFORMATION PROGRAM | [WWW.SFN.ORG/SATELLITES](http://www.sfn.org/satellites)

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| TITLE | TIME | MORE INFO | LOCATION/ROOM | KEY |
|--|-----------------|--|--------------------------------------|-----|
| Machine Learning in Quantitative Stereology and Neurohistology | 6:30–9 p.m. | daniel.peterson@rosalindfranklin.edu | McCormick Place: N227 | 1 |
| NSG and HPAC — Large Scale Simulations and Data Processing | 8:30–10:30 a.m. | majumdar@sdsc.edu | Micro Tek Training Room | 2 |
| The Need for Translational and Basic Research in Migraine | 7:30–10 a.m. | alicia@migrainedisorders.com | McCormick Place: N230A | 2 |
| Sunday, October 20 | | | | |
| Arab Neuroscientists Social | 6:30–8:30 p.m. | yasmine@arabneuroscientists.org | McCormick Place: S503A | 2 |
| ASPET Neuropharmacology Reception | 6:30–8:30 p.m. | meetings@aspet.org | Marriott Marquis: Great Lakes A | 2 |
| Boston University Graduate Program for Neuroscience Social | 7–10 p.m. | sgrasso@bu.edu | Marriott Marquis: Great Lakes E | 2 |
| Dutch Neuroscience Social 2019 | 7–10 p.m. | s.kushner@erasmusmc.nl | Marriott Marquis: Great Lakes F | 2 |
| Ernst Strüngmann Forum Social | 6:30–9:30 p.m. | lupp@esforum.de | Marriott Marquis: Great Lakes G | 2 |
| Green and Open Neurosciences Symposium & Soiree | 6:30–9:30 p.m. | alam@pcrm.org | Marriott Marquis: Shedd AB | 2 |
| Human Single Neuron Social | 6:30–9 p.m. | florian.solzbacher@utah.edu | Hyatt McCormick: Regency Ballroom B | 2 |
| International Behavioral Neuroscience Society (IBNS) Social | 6:30–8:30 p.m. | ibns@ibnsconnect.org | Marriott Marquis: Great Lakes B | 2 |
| NIH Funding and You: A Practical Guide for a Trainee to Survive and Thrive in Your Research Career | 6:30–8:30 p.m. | jonesmiche@ninds.nih.gov | Hyatt McCormick: Regency Ballroom A | 2 |
| Spectrum Social Event | 6:30–8 p.m. | claire@spectrumnews.org | Marriott Marquis: Water Tower A | 2 |
| Stanford Neurosciences Reception | 6:30–8 p.m. | kdiamond@stanford.edu | Marriott Marquis: Great Lakes C | 2 |
| The Logothetis Lab Alumni, Colleagues and Friends Social | 6:30–10 p.m. | georgios.keliris@uantwerpen.be | Marriott Marquis: Water Tower B | 2 |
| Tools & Tech: A BRAIN Initiative Alliance Social | 6:30–8:30 p.m. | salbin@kavlifoundation.org | Hyatt McCormick: Regency Ballroom CD | 2 |
| University of Chicago Neuroscience 16th Annual Social | 6:30–9 p.m. | erizzo@uchicago.edu | Chicago Athletic Association | 2 |
| University of Illinois at Urbana-Champaign — 2019 Neuroscience Program (NSP) Reception | 6:30–8:30 p.m. | spregent@illinois.edu | Marriott Marquis: Marina City | 2 |
| Monday, October 21 | | | | |
| 16th Annual Christopher Reeve "Hot Topics" in Stem Cell Biology | 6:30–9:30 p.m. | towens@sbp.edu | McCormick Place: S100A | 2 |
| 2019 Taiwan Night | 6:30–9:30 p.m. | yishuian@ibms.sinica.edu.tw | see website listing | 2 |
| Association of Korean Neuroscientists: Annual Meeting and Social | 6:30–9:30 p.m. | yoonsong.kim@ucf.edu | see website listing | 2 |
| Cerebral Open Flow Microperfusion — A Novel Approach to <i>In Vivo</i> Fluid Sampling | 6:30–8:30 p.m. | lelolf@basinc.com | Marriott Marquis: Shedd AB | 1 |

Satellite Events & Non-SfN Socials

GENERAL INFORMATION PROGRAM | [WWW.SFN.ORG/SATELLITES](http://www.sfn.org/satellites)

| TITLE | TIME | MORE INFO | LOCATION/ROOM | KEY |
|---|----------------|--|---|-----|
| Grass Foundation and Marine Biological Laboratory Co-Hosted Social | 6:30–8 p.m. | execassist@grassfoundation.org | Marriott Marquis: Great Lakes G | 2 |
| Iranian Neuroscientists' Annual Social Event | 8–10 p.m. | nazanin.mirzaei@cshs.org | Reza Restaurant 5255 N. Clark St. Chicago | 1 |
| NanoString Neuroinflammation and Neurodegeneration Social | 6:30–10 p.m. | jkuhar@nanostring.com | The ROOF on the Wit | 2 |
| Neurorehabilitation Social | 6:30–8:30 p.m. | kingla@ohsu.edu | Shirley Ryan Abilitylab, 355 E. Erie St. Chicago | 2 |
| Neuroscience, Religion & Cultural Authority | 7–8:30 p.m. | cwmathes846@gmail.com | McCormick Place: S402 | 2 |
| Parkinson's Disease Social | 6:30–8 p.m. | jbeck@parkinson.org | Marriott Marquis: Great Lakes E | 2 |
| Preventing the Climate Catastrophe: What Can Neuroscientists Do? | 6:30–8 p.m. | adamaron@ucsd.edu | Marriott Marquis: Great Lakes C | 2 |
| Simons Foundation Autism Research Initiative (SFARI) Social | 6:30–8:30 p.m. | ljung@simonsfoundation.org | Marriott Marquis: Great Lakes F | 2 |
| Sleep and Circadian Biology DataBlitz | 8–10 p.m. | laposkya@nhlbi.nih.gov | Marriott Marquis: Great Lakes AB | 2 |
| The 9th Annual International Society for Serotonin Research Mixer | 6:30–8 p.m. | berg@uthscsa.edu | Highline Bar and Lounge 169 W. Kinzie St. | 2 |
| Washington University in St. Louis Neuroscience Reception | 6:30–9 p.m. | celia.mckee@wustl.edu | Reggies Chicago | 2 |
| Tuesday, October 22 | | | | |
| 2019 Friends of Iowa Neuroscience | 6:30–9:30 p.m. | meghan-lawler@uiowa.edu | Adler Planetarium | 2 |
| Introduction to the Brain Image Library | 6:30–10 p.m. | ropelews@psc.edu | McCormick Place: S503B | 2 |
| The Science Bridge and Middle Eastern Neuroscientists Social | 6:30–8 p.m. | nelly.alia-klein@mssm.edu | Marriott Marquis: Shedd AB | 2 |
| Understand Nature's Complexity with The UltraMicroscope II and The MACSima™ Imaging Platform | 6:30–9 p.m. | Beatel@miltenyibiotec.de | McCormick Place: N230B | 1 |
| Wearable Sensing Solutions for Integrated Dry Electrode EEG/EXG, Motion Capture, and Eye Tracking | 6:30–9 p.m. | sales@wearablesensing.com | Hyatt McCormick: Adler AB | 1 |

List of Sessions by Theme and Day

GENERAL INFORMATION PROGRAM | WWW.SFN.ORG/AM2019

All posters will be presented in McCormick Place, Hall A. All lecture, symposium, minisymposium, and nanosymposium rooms are in McCormick Place. Note: Theme J Posters will be on display in Hall A beginning at 1 p.m. on Saturday, Oct. 19, and will remain posted until 5 p.m. on Sunday, Oct. 20. One hour presentation times will occur either Saturday afternoon or Sunday morning.

THEME DESCRIPTIONS

- A** Development
- B** Neural Excitability, Synapses, and Glia
- C** Neurodegenerative Disorders and Injury
- D** Sensory Systems
- E** Motor Systems
- F** Integrative Physiology and Behavior
- G** Motivation and Emotion
- H** Cognition
- I** Techniques
- J** History, Education and Society

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|------------------------------|--|----------------|-------------|--------|----------------|-------------|
| Featured Lectures | | | | | | |
| 001 | Dialogues Between Neuroscience and Society | Lecture | Hall B | 19 Sat | 11 a.m.–1 p.m. | |
| 009 | Presidential Special Lecture- From Base Pairs to Bedside: Antisense Modulators of RNA Splicing to Treat Neurological Diseases | Lecture | Hall B | 19 Sat | 5:15–6:30 p.m. | 1.25 |
| 183 | Peter and Patricia Gruber Lecture- Molecular Basis of the Circadian Clock in Mammals and its Fundamental Role in Aging and Longevity | Lecture | Hall B | 20 Sun | 3–4:10 p.m. | |
| 184 | Presidential Special Lecture- Understanding Cortical Development and Disease: From Embryos to Brain Organoids | Lecture | Hall B | 20 Sun | 5:15–6:30 p.m. | 1.25 |
| 263 | History of Neuroscience Lecture- Exocytosis of Synaptic Vesicles: From Quantal Release to Molecular Machines | Lecture | Hall B | 21 Mon | 9–10:10 a.m. | |
| 350 | Albert and Ellen Grass Lecture- Neural Learning Rules in the Cerebellum | Lecture | Hall B | 21 Mon | 3:15–4:25 p.m. | 1.25 |
| 351 | Presidential Special Lecture- The Cell Biology of the Synapse and Behavior | Lecture | Hall B | 21 Mon | 5:15–6:30 p.m. | 1.25 |
| 533 | David Kopf Lecture On Neuroethics — The Neuroethics Frontier | Lecture | Hall B | 22 Tue | 3–4:10 p.m. | |
| 534 | Presidential Special Lecture- Wavefront Engineering: Illuminating the Neural Landscape | Lecture | Hall B | 22 Tue | 5:15–6:30 p.m. | 1.25 |
| Theme A – Development | | | | | | |
| 003 | New Insights in Understanding Fragile X Syndrome (FXS): Focus on Neural Development in Human Models and Non-Neuron Glial Cells | Minisymposium | Room S100BC | 19 Sat | 1:30–4 p.m. | 2.5 |
| 010 | <i>In Vivo</i> Studies of Stem Cell Fate | Nanosymposium | Room S404 | 19 Sat | 1–2:45 p.m. | |
| 011 | Effects of Parenting and Disease on Human and Non-Human Primate Brain Development | Nanosymposium | Room N427 | 19 Sat | 1–4:15 p.m. | |
| 028 | Peripheral Nerve Regeneration | Poster | A1–A16 | Hall A | 19 Sat | 1–5 p.m. |
| 029 | Molecular Mechanisms of Axon and Dendrite Development | Poster | A17–A42 | Hall A | 19 Sat | 1–5 p.m. |
| 030 | Autism: Synaptic and Cellular Mechanisms I | Poster | A43–A69 | Hall A | 19 Sat | 1–5 p.m. |
| 031 | Adolescent Development: Mechanisms of Vulnerability | Poster | A70–A79 | Hall A | 19 Sat | 1–5 p.m. |
| 095 | Functional Maturation of Cerebello-Cerebral Interactions | Minisymposium | Room S406A | 20 Sun | 8:30–11 a.m. | 2.5 |
| 102 | Molecular Mechanisms of Adult Neurogenesis | Nanosymposium | Room S404 | 20 Sun | 8–9:45 a.m. | |
| 103 | Behavioral Analysis of Developmental Disorders | Nanosymposium | Room S403 | 20 Sun | 8–11 a.m. | |
| 113 | Postnatal Neurogenesis | Poster | A1–A27 | Hall A | 20 Sun | 8 a.m.–noon |
| 114 | Axon and Dendrite Development | Poster | A28–A38 | Hall A | 20 Sun | 8 a.m.–noon |
| 115 | Behavioral Study and Animal Models for Autism Spectrum Disorders | Poster | A39–A61 | Hall A | 20 Sun | 8 a.m.–noon |
| 116 | Autism: Synaptic and Cellular Mechanisms II | Poster | A62–A79 | Hall A | 20 Sun | 8 a.m.–noon |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS | |
|---------------------------|---|--|----------|-------------|--------|------------------|------|
| 117 | Comparative Brain Anatomy | Poster | A80–B6 | Hall A | 20 Sun | 8 a.m.–noon | |
| 185 | Molecular Mechanisms of Synaptogenesis and Connectivity | Nanosymposium | | Room S405 | 20 Sun | 1–2:45 p.m. | |
| 186 | Molecular Mechanisms of Synaptogenesis and Activity-Dependent Development | Nanosymposium | | Room S401 | 20 Sun | 1–2:45 p.m. | |
| 187 | Rett Syndrome: New Mechanisms and Potential Therapeutics | Nanosymposium | | Room S403 | 20 Sun | 1–2:45 p.m. | |
| 196 | Cell Lineage Analysis | Poster | A1–A21 | Hall A | 20 Sun | 1–5 p.m. | |
| 197 | Developmental Mechanisms | Poster | A22–A38 | Hall A | 20 Sun | 1–5 p.m. | |
| 198 | Synaptogenesis and Activity-Dependent Development II | Poster | A39–A64 | Hall A | 20 Sun | 1–5 p.m. | |
| 199 | Genetic Models for Autism Spectrum Disorders | Poster | A65–B4 | Hall A | 20 Sun | 1–5 p.m. | |
| 256 | Circuit Variability and Plasticity in the Central Nervous System of <i>Drosophila</i> | Symposium | | Room S100A | 21 Mon | 8:30–11 a.m. | 2.5 |
| 265 | Cell Biological Mechanisms of Neural Development | Nanosymposium | | Room S402 | 21 Mon | 8–9:45 a.m. | |
| 276 | Nervous System Patterning and Transplantation | Poster | A1–A19 | Hall A | 21 Mon | 8 a.m.–noon | |
| 277 | Postnatal Neurogenesis: Molecular Mechanisms | Poster | A20–A42 | Hall A | 21 Mon | 8 a.m.–noon | |
| 278 | Pluripotent Stem Cells and Organoid Models of Degenerative Diseases | Poster | A43–A71 | Hall A | 21 Mon | 8 a.m.–noon | |
| 279 | Molecular Mechanisms of Synaptogenesis and Activity-Dependent Development | Poster | A72–B1 | Hall A | 21 Mon | 8 a.m.–noon | |
| 280 | Genetic and Environmental Factors for Autism Spectrum Disorders | Poster | B2–B24 | Hall A | 21 Mon | 8 a.m.–noon | |
| 344 | From Single-Cell Profiling to Human Brain Organoids: Capturing Neural Development and Disease | Symposium | | Room S100A | 21 Mon | 1:30–4 p.m. | 2.5 |
| 349 | Dual Perspectives Session: Does Adult Neurogenesis Occur in the Human Brain? | Dual Perspectives | | Room S406B | 21 Mon | 1–2 p.m. | |
| 352 | Genetic Models for Autism Spectrum Disorders | Nanosymposium | | Room S405 | 21 Mon | 1–3:30 p.m. | |
| 353 | Evolution and Development of Brain and Spinal Cord | Nanosymposium | | Room S104 | 21 Mon | 1–2:45 p.m. | |
| 363 | Axon Regeneration | Poster | A1–A25 | Hall A | 21 Mon | 1–5 p.m. | |
| 364 | Neuronal Morphogenesis | Poster | A26–A42 | Hall A | 21 Mon | 1–5 p.m. | |
| 365 | Axon Growth and Guidance: Axonal Transport and Trafficking | Poster | A43–A57 | Hall A | 21 Mon | 1–5 p.m. | |
| 366 | Genetic and Neural Mechanisms for Development Disorders | Poster | A58–A81 | Hall A | 21 Mon | 1–5 p.m. | |
| 367 | Animal Models I | Poster | A82–B21 | Hall A | 21 Mon | 1–5 p.m. | |
| 437 | Novel Mechanisms of Neuronal Alternative Splicing and Strategies to Correct Aberrant-Splicing | Minisymposium | | Room S102 | 22 Tue | 8:30–11 a.m. | 2.5 |
| 442 | Special Lecture- Molecular Mechanisms Underlying Activity-Dependent Neural Circuit Development and Plasticity | Lecture | | Hall B | 22 Tue | 10:30–11:40 a.m. | 1.25 |
| 444 | Directing Pluripotent Stem Cell Differentiation | Nanosymposium | | Room N427 | 22 Tue | 8–9:45 a.m. | |
| 457 | Mechanisms of Cell Fate | Poster | A1–A23 | Hall A | 22 Tue | 8 a.m.–noon | |
| 458 | Autism: Physiology, Systems, and Behavior | Poster | A24–A46 | Hall A | 22 Tue | 8 a.m.–noon | |
| 459 | Neural Mechanisms for Developmental Disorders I | Poster | A47–A72 | Hall A | 22 Tue | 8 a.m.–noon | |
| 460 | Development: Sensory and Limbic Systems | Poster | A73–B15 | Hall A | 22 Tue | 8 a.m.–noon | |
| 529 | Adult Hippocampal Neurogenesis in Humans and Rodents: New Evidence and New Perspectives | Minisymposium | | Room S100BC | 22 Tue | 1:30:00 | 2.5 |
| 535 | Neurodevelopmental Disorders: New Molecular Mechanisms | Nanosymposium | | Room N427 | 22 Tue | 1–3:45 p.m. | |
| 548 | Molecular Mechanisms of Synaptogenesis and Circuit Refinement | Poster | A1–A20 | Hall A | 22 Tue | 1–5 p.m. | |
| 549 | Neural Mechanisms for Developmental Disorders II | Poster | A21–A45 | Hall A | 22 Tue | 1–5 p.m. | |
| 550 | Animal Models II | Poster | A46–A72 | Hall A | 22 Tue | 1–5 p.m. | |
| 551 | Cellular and Molecular Mechanisms of Evolution and Development | Poster | A73–B2 | Hall A | 22 Tue | 1–5 p.m. | |
| 624 | Gene Therapy in Neurological Diseases | Basic-Translational-Clinical Roundtables | | Room N230B | 23 Wed | 8:30–11 a.m. | 2.5 |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|--|--|----------------|-------------|--------|--------------|-------------|
| 626 | Neural Differentiation, Transplantation, and Regeneration | Nanosymposium | Room S505 | 23 Wed | 8–10:30 a.m. | |
| 627 | Genetics and Neural Mechanisms of Developmental Disorders | Nanosymposium | Room N228 | 23 Wed | 8–10:15 a.m. | |
| 639 | Neuronal Differentiation | Poster | A1–A29 | Hall A | 23 Wed | 8 a.m.–noon |
| 640 | Stem Cell Reprogramming and Screening <i>In Vitro</i> | Poster | A30–A42 | Hall A | 23 Wed | 8 a.m.–noon |
| 641 | Animal Models of Developmental Disorders | Poster | A43–A71 | Hall A | 23 Wed | 8 a.m.–noon |
| 642 | Autism: Neurons, Circuits, and Behavior | Poster | A72–B14 | Hall A | 23 Wed | 8 a.m.–noon |
| 643 | Sensorimotor Development and Disorders | Poster | B15–B24 | Hall A | 23 Wed | 8 a.m.–noon |
| 711 | Mechanisms of Basal Ganglia Maturation: Insights Into Health and Disease | Minisymposium | Room S100BC | 23 Wed | 1:30:00 | 2.5 |
| 717 | Neurogenesis and Differentiation of CNS Neurons | Nanosymposium | Room N228 | 23 Wed | 1–2:30 p.m. | |
| 718 | Autism: Molecular and Cellular Mechanisms | Nanosymposium | Room S106 | 23 Wed | 1–3 p.m. | |
| 729 | Neuron-Glia Interactions | Poster | A1–A13 | Hall A | 23 Wed | 1–5 p.m. |
| 730 | Postnatal Neurogenesis: Environmental and Pharmacological Regulation | Poster | A14–A34 | Hall A | 23 Wed | 1–5 p.m. |
| 731 | Stem Cell Neural Differentiation | Poster | A35–A49 | Hall A | 23 Wed | 1–5 p.m. |
| 732 | Synaptogenesis and Activity-Dependent Development IV | Poster | A50–A64 | Hall A | 23 Wed | 1–5 p.m. |
| 733 | Rett Syndrome: Molecular and Cellular Mechanisms | Poster | A65–A79 | Hall A | 23 Wed | 1–5 p.m. |
| 734 | Neurodevelopmental Disorders: Molecular and Cellular Mechanisms | Poster | A80–B22 | Hall A | 23 Wed | 1–5 p.m. |
| Theme B – Neural Excitability/ Synapses/ and Glia | | | | | | |
| 008 | Special Lecture- Neuronal Activity-Dependent Myelination: A Mechanism for Learning and Repair? | Lecture | Hall B | 19 Sat | 2–3:10 p.m. | 1.25 |
| 012 | Neural Excitability: Regulating Synaptic Properties and Plasticity | Nanosymposium | Room N426 | 19 Sat | 1–5 p.m. | |
| 013 | Microglial Control of Brain Development and Function | Nanosymposium | Room S106 | 19 Sat | 1–3:15 p.m. | |
| 032 | Glutamate Transport and Signaling | Poster | A80–B13 | Hall A | 19 Sat | 1–5 p.m. |
| 033 | Opiates, Cytokines, and Other Neuropeptides | Poster | B14–B28 | Hall A | 19 Sat | 1–5 p.m. |
| 034 | Ionotropic Glutamate Receptors: Physiology | Poster | B29–B42 | Hall A | 19 Sat | 1–5 p.m. |
| 035 | Sodium Channels in Health and Disease | Poster | B43–B62 | Hall A | 19 Sat | 1–5 p.m. |
| 036 | Presynaptic Organization and Transmitter Release | Poster | B63–B73 | Hall A | 19 Sat | 1–5 p.m. |
| 037 | Synaptogenesis and Activity-Dependent Development I | Poster | B74–B87 | Hall A | 19 Sat | 1–5 p.m. |
| 038 | Short-Term Plasticity | Poster | B88–B99 | Hall A | 19 Sat | 1–5 p.m. |
| 039 | Structural Plasticity and Circuit Remodeling I | Poster | B100–C15 | Hall A | 19 Sat | 1–5 p.m. |
| 040 | Neuronal Firing Properties: Modulation, Development, and Pathologies I | Poster | C16–C35 | Hall A | 19 Sat | 1–5 p.m. |
| 041 | Animal Models of Epilepsy I | Poster | C36–C52 | Hall A | 19 Sat | 1–5 p.m. |
| 096 | Novel Mechanistic Roles for Sodium Channels in Neurodevelopmental Disorders | Minisymposium | Room S105 | 20 Sun | 8:30–11 a.m. | 2.5 |
| 104 | Transmitter Co-Expression and Plasticity: From Health to Disease | Nanosymposium | Room S104 | 20 Sun | 8–10:15 a.m. | |
| 118 | Ionotropic Glutamate Receptors: Pharmacology | Poster | B7–B24 | Hall A | 20 Sun | 8 a.m.–noon |
| 119 | Calcium Channels | Poster | B25–B49 | Hall A | 20 Sun | 8 a.m.–noon |
| 120 | Potassium Channels I | Poster | B50–B68 | Hall A | 20 Sun | 8 a.m.–noon |
| 121 | Neurotransmitter Release and Vesicle Recycling | Poster | B69–B98 | Hall A | 20 Sun | 8 a.m.–noon |
| 122 | Structural Plasticity and Circuit Remodeling II | Poster | B99–C19 | Hall A | 20 Sun | 8 a.m.–noon |
| 123 | Epilepsy: Human Studies | Poster | C20–C47 | Hall A | 20 Sun | 8 a.m.–noon |
| 178 | The Gut-Brain Axis in Health and Brain Disease | Minisymposium | Room S406A | 20 Sun | 1:30–4 p.m. | 2.5 |
| 200 | Small-Molecule Neurotransmitter Transport and Signaling | Poster | B5–B25 | Hall A | 20 Sun | 1–5 p.m. |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS | |
|---------------------------|--|----------------|----------|-------------|--------|--------------|-----|
| 201 | Nicotinic Acetylcholine Receptors: Physiology and Function | Poster | B26–B46 | Hall A | 20 Sun | 1–5 p.m. | |
| 202 | Homeostatic Synaptic Plasticity | Poster | B47–B73 | Hall A | 20 Sun | 1–5 p.m. | |
| 203 | Mechanisms Underlying Seizure Development and Epilepsy | Poster | B74–B92 | Hall A | 20 Sun | 1–5 p.m. | |
| 204 | Astrocyte Biology: Cellular, Molecular, and Genetic Mechanisms | Poster | B93–C18 | Hall A | 20 Sun | 1–5 p.m. | |
| 205 | Mechanisms of Bi-Directional Glia-Neuron Communication | Poster | C19–C47 | Hall A | 20 Sun | 1–5 p.m. | |
| 206 | Molecular and Cellular Mechanisms of Demyelinating Disorders | Poster | C48–C69 | Hall A | 20 Sun | 1–5 p.m. | |
| 207 | Demyelinating Disorders: Human and Animal Studies and Therapeutics | Poster | C70–C90 | Hall A | 20 Sun | 1–5 p.m. | |
| 257 | Dissecting Cerebellar Function: A Prototypical Circuit Critical for Motor Learning and Cognition | Symposium | | Room S100BC | 21 Mon | 8:30–11 a.m. | 2.5 |
| 266 | Astrocyte Networks Controlling Brain Function and Behavior | Nanosymposium | | Room S103 | 21 Mon | 8–10:15 a.m. | |
| 281 | Monoamine Transport and Signaling | Poster | B5–B43 | Hall A | 21 Mon | 8 a.m.–noon | |
| 282 | Metabotropic Glutamate and GABAB Receptors | Poster | B44–B58 | Hall A | 21 Mon | 8 a.m.–noon | |
| 283 | Potassium Channels II | Poster | B59–B72 | Hall A | 21 Mon | 8 a.m.–noon | |
| 284 | Synaptic Transmission: Modulation and Mechanisms I | Poster | B73–B93 | Hall A | 21 Mon | 8 a.m.–noon | |
| 285 | Long-Term Depression and Spike Timing-Dependent Plasticity | Poster | B94–C10 | Hall A | 21 Mon | 8 a.m.–noon | |
| 286 | Synaptic Plasticity: Kinases and Intracellular Signaling | Poster | C11–C32 | Hall A | 21 Mon | 8 a.m.–noon | |
| 287 | Synaptic Plasticity: Pre- and Postsynaptic Mechanisms | Poster | C33–C54 | Hall A | 21 Mon | 8 a.m.–noon | |
| 288 | Human Functional Imaging | Poster | C55–C78 | Hall A | 21 Mon | 8 a.m.–noon | |
| 289 | Networks and Connectivity | Poster | C79–C15 | Hall A | 21 Mon | 8 a.m.–noon | |
| 290 | Epilepsy: Animal Models and Network Dynamics | Poster | D16–D35 | Hall A | 21 Mon | 8 a.m.–noon | |
| 368 | Neurotransmitters: Transporters and Signaling Molecules | Poster | B22–B34 | Hall A | 21 Mon | 1–5 p.m. | |
| 369 | Synaptogenesis and Activity-Dependent Development III | Poster | B35–B59 | Hall A | 21 Mon | 1–5 p.m. | |
| 370 | Epilepsy: Genetic Mechanisms and Animal Models | Poster | B60–B75 | Hall A | 21 Mon | 1–5 p.m. | |
| 371 | Antiepileptic Therapies | Poster | B76–B90 | Hall A | 21 Mon | 1–5 p.m. | |
| 372 | Glia-Neuron Interactions in Diseased Brain | Poster | B91–C11 | Hall A | 21 Mon | 1–5 p.m. | |
| 373 | Microglial Activation in Disease States | Poster | C12–C39 | Hall A | 21 Mon | 1–5 p.m. | |
| 445 | Mechanisms of Epilepsy | Nanosymposium | | Room S403 | 22 Tue | 8–10 a.m. | |
| 461 | Amino Acid Transport and Signaling | Poster | B16–B37 | Hall A | 22 Tue | 8 a.m.–noon | |
| 462 | Potassium Channels and Non-Selective Cation Channels | Poster | B38–B51 | Hall A | 22 Tue | 8 a.m.–noon | |
| 463 | Synaptic Transmission: Modulation and Mechanisms II | Poster | B52–B64 | Hall A | 22 Tue | 8 a.m.–noon | |
| 464 | Cellular Mechanisms of Oscillations | Poster | B65–B87 | Hall A | 22 Tue | 8 a.m.–noon | |
| 465 | Cortical Oscillations I | Poster | B88–C13 | Hall A | 22 Tue | 8 a.m.–noon | |
| 466 | Memory Systems | Poster | C14–C23 | Hall A | 22 Tue | 8 a.m.–noon | |
| 467 | Epilepsy: Post-Seizure Mechanisms and Human Studies | Poster | C24–C42 | Hall A | 22 Tue | 8 a.m.–noon | |
| 468 | Role of Astrocyte Dysfunction in Disease States | Poster | C43–C72 | Hall A | 22 Tue | 8 a.m.–noon | |
| 469 | Microglial Functions in Brain Development and Homeostasis | Poster | C73–D1 | Hall A | 22 Tue | 8 a.m.–noon | |
| 530 | The Synaptic Vesicle Cycle Revisited: New Insights Into the Modes and Mechanisms | Minisymposium | | Room S105 | 22 Tue | 1:30:00 | 2.5 |
| 536 | Molecular and Genetic Mechanisms Underlying Glia-Neuron Interactions | Nanosymposium | | Room S401 | 22 Tue | 1–2:45 p.m. | |
| 552 | GABA and Glycine: Receptors, Inhibition, and Neuronal Excitability | Poster | B3–B22 | Hall A | 22 Tue | 1–5 p.m. | |
| 553 | Synaptic Plasticity: Other Mechanisms | Poster | B23–B38 | Hall A | 22 Tue | 1–5 p.m. | |
| 554 | Neuronal Firing Properties: Modulation, Development, and Pathologies II | Poster | B39–B56 | Hall A | 22 Tue | 1–5 p.m. | |
| 555 | Animal Models of Epilepsy II | Poster | B57–B79 | Hall A | 22 Tue | 1–5 p.m. | |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS | |
|---|--|----------------|----------|------------|--------|--------------|-----|
| 556 | Central and Peripheral Myelinating Cells I | Poster | B80–B100 | Hall A | 22 Tue | 1–5 p.m. | |
| 557 | Neuro-Oncology | Poster | B101–C27 | Hall A | 22 Tue | 1–5 p.m. | |
| 619 | Pleiotropic Mitochondria: The Influence of Mitochondria on Neuronal Development and Disease | Minisymposium | | Room S102 | 23 Wed | 8:30–11 a.m. | 2.5 |
| 628 | Reactive Astrocytes: Molecular Mechanisms and Disease Models | Nanosymposium | | Room S405 | 23 Wed | 8–9:45 a.m. | |
| 644 | Nicotinic Acetylcholine Receptors: Structure and Regulation | Poster | B25–B41 | Hall A | 23 Wed | 8 a.m.–noon | |
| 645 | GABA(A) and Glycine Receptor Pharmacology | Poster | B42–B60 | Hall A | 23 Wed | 8 a.m.–noon | |
| 646 | Metabotropic Receptors for Other Transmitters and Peptides | Poster | B61–B90 | Hall A | 23 Wed | 8 a.m.–noon | |
| 647 | Synaptic Transmission: Modulation and Mechanisms III | Poster | B91–C4 | Hall A | 23 Wed | 8 a.m.–noon | |
| 648 | Transcription and Translation in Plasticity I | Poster | C5–C27 | Hall A | 23 Wed | 8 a.m.–noon | |
| 649 | <i>In Vivo</i> Analyses of Epilepsy Models | Poster | C29–C54 | Hall A | 23 Wed | 8 a.m.–noon | |
| 712 | Cell-Type Specificity, Strength, and Dynamics of Long-Range Synaptic Input | Minisymposium | | Room S406A | 23 Wed | 1:30:00 | 2.5 |
| 719 | Microglial Activation in Disease States | Nanosymposium | | Room S405 | 23 Wed | 1–2:45 p.m. | |
| 735 | Synaptic Transmission, Integration, and Signal Propagation | Poster | B23–B43 | Hall A | 23 Wed | 1–5 p.m. | |
| 736 | Transcription and Translation in Plasticity II | Poster | B44–B58 | Hall A | 23 Wed | 1–5 p.m. | |
| 737 | Dendritic Properties, Oscillations, and Plasticity | Poster | B59–B77 | Hall A | 23 Wed | 1–5 p.m. | |
| 738 | Epilepsy, Ion Channels, and Mechanism of Action | Poster | B78–B88 | Hall A | 23 Wed | 1–5 p.m. | |
| 739 | Epilepsy: Pharmacology | Poster | B89–C15 | Hall A | 23 Wed | 1–5 p.m. | |
| 740 | Central and Peripheral Myelinating Cells II | Poster | C16–C63 | Hall A | 23 Wed | 1–5 p.m. | |
| Theme C – Neurodegenerative Disorders and Injury | | | | | | | |
| 014 | Proteome Dysfunction in Aging, Neurodegenerative Disorders, and Alzheimer's Disease | Nanosymposium | | Room S104 | 19 Sat | 1–4 p.m. | |
| 015 | Neurodegeneration and Injury I | Nanosymposium | | Room S401 | 19 Sat | 1–3:45 p.m. | |
| 016 | Emerging Insights in Huntington's Disease Research: Pathological Mechanisms and Therapeutic Approaches | Nanosymposium | | Room S405 | 19 Sat | 1–2:45 p.m. | |
| 042 | Alzheimer's Disease and Other Dementias: Imaging Studies I | Poster | C53–C74 | Hall A | 19 Sat | 1–5 p.m. | |
| 043 | Cellular Mechanisms of Parkinson's Disease I | Poster | C75–D3 | Hall A | 19 Sat | 1–5 p.m. | |
| 044 | Cellular and Circuit Mechanisms in Tauopathies | Poster | D4–D24 | Hall A | 19 Sat | 1–5 p.m. | |
| 045 | Mechanism Underlying Neurodegenerative Disease | Poster | D25–D41 | Hall A | 19 Sat | 1–5 p.m. | |
| 046 | Cell Stress and Death Mechanisms | Poster | D42–E25 | Hall A | 19 Sat | 1–5 p.m. | |
| 047 | Cellular Stress and Death Mechanisms | Poster | E26–F10 | Hall A | 19 Sat | 1–5 p.m. | |
| 048 | Neurotoxicity, Inflammation, and Neuroprotection: Preclinical Studies I | Poster | F11–F26 | Hall A | 19 Sat | 1–5 p.m. | |
| 049 | Ischemic Stroke I | Poster | F27–F46 | Hall A | 19 Sat | 1–5 p.m. | |
| 050 | Brain Injury and Trauma I | Poster | G1–G30 | Hall A | 19 Sat | 1–5 p.m. | |
| 051 | Axon Injury and Recovery | Poster | G31–H20 | Hall A | 19 Sat | 1–5 p.m. | |
| 097 | Myelin Degeneration and Remyelination in Health and Disease | Minisymposium | | Room S100A | 20 Sun | 8:30–11 a.m. | 2.5 |
| 105 | Brain Aging and Role of Systemic Factors | Nanosymposium | | Room S405 | 20 Sun | 8–11 a.m. | |
| 106 | Alzheimer's Disease: Neuroinflammation and Immune Actions | Nanosymposium | | Room S103 | 20 Sun | 8–11:15 a.m. | |
| 107 | Motor Neuron Disease Mechanisms | Nanosymposium | | Room N426 | 20 Sun | 8–10:45 a.m. | |
| 124 | Synaptic Dysfunction in Alzheimer's Disease: <i>In Vivo</i> Models I | Poster | C48–C66 | Hall A | 20 Sun | 8 a.m.–noon | |
| 125 | Alzheimer's Disease and Other Dementias: Imaging Studies II | Poster | C67–C89 | Hall A | 20 Sun | 8 a.m.–noon | |
| 126 | APP Metabolites in Alzheimer's Disease | Poster | C90–D17 | Hall A | 20 Sun | 8 a.m.–noon | |
| 127 | Alzheimer's Disease: APP/Abeta Cellular and Animal Models | Poster | D18–E1 | Hall A | 20 Sun | 8 a.m.–noon | |
| 128 | Neurodegenerative Disorders and Injury I | Poster | E2–E26 | Hall A | 20 Sun | 8 a.m.–noon | |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|---|---------------|----------------|------------|--------|--------------|-----------|
| 129 Cellular Mechanisms of Parkinson's Disease II | Poster | E27-E38 | Hall A | 20 Sun | 8 a.m.-noon | |
| 130 Alpha-Synuclein: Mechanisms and Transmission | Poster | E39-F24 | Hall A | 20 Sun | 8 a.m.-noon | |
| 131 Parkinson's Disease Progression | Poster | F25-G7 | Hall A | 20 Sun | 8 a.m.-noon | |
| 132 Parkinson's Disease Therapeutic Strategies: Cellular and Animal Models | Poster | G8-G23 | Hall A | 20 Sun | 8 a.m.-noon | |
| 133 ALS and FTD Mechanisms | Poster | G24-H2 | Hall A | 20 Sun | 8 a.m.-noon | |
| 134 Neuroprotective Mechanisms: Preclinical Models | Poster | H3-H28 | Hall A | 20 Sun | 8 a.m.-noon | |
| 135 Stroke I | Poster | H29-I12 | Hall A | 20 Sun | 8 a.m.-noon | |
| 136 Spinal Cord Injury: Responses and Repair | Poster | I13-I32 | Hall A | 20 Sun | 8 a.m.-noon | |
| 177 The Molecular and Spatial Complexity of Tau: What Forms and Loci to Target? | Symposium | | Room S100A | 20 Sun | 1:30-4 p.m. | 2.5 |
| 188 Neuroinflammation: Mechanisms and Therapeutic Strategies | Nanosymposium | | Room N427 | 20 Sun | 1-3:45 p.m. | |
| 189 Neurodegeneration and Injury II | Nanosymposium | | Room S103 | 20 Sun | 1-3:15 p.m. | |
| 208 Brain Wellness and Aging: Pharmacological and Non-Pharmacological Interventions | Poster | C91-D13 | Hall A | 20 Sun | 1-5 p.m. | |
| 209 Brain Wellness and Aging: Systemic Factors and Brain Function | Poster | D14-D25 | Hall A | 20 Sun | 1-5 p.m. | |
| 210 Alzheimer's Disease: Genetics | Poster | D26-D35 | Hall A | 20 Sun | 1-5 p.m. | |
| 211 Tau: Preclinical and Clinical Pathology | Poster | D36-D46 | Hall A | 20 Sun | 1-5 p.m. | |
| 212 Alzheimer's Disease and Therapeutic Strategies I | Poster | E1-E27 | Hall A | 20 Sun | 1-5 p.m. | |
| 213 Parkinson's Disease: Molecular Mechanisms | Poster | E28-F4 | Hall A | 20 Sun | 1-5 p.m. | |
| 214 Ischemic Stroke II | Poster | F5-F18 | Hall A | 20 Sun | 1-5 p.m. | |
| 215 Stroke and Ischemia I | Poster | F19-G2 | Hall A | 20 Sun | 1-5 p.m. | |
| 216 Stroke and Ischemia II | Poster | G3-G29 | Hall A | 20 Sun | 1-5 p.m. | |
| 217 Spinal Cord Injury I | Poster | G30-H6 | Hall A | 20 Sun | 1-5 p.m. | |
| 258 Phenotype Suppression in Neurodegeneration | Minisymposium | | Room S105 | 21 Mon | 8:30-11 a.m. | 2.5 |
| 267 Parkinson's Disease: From Preclinical to Human Studies | Nanosymposium | | Room N426 | 21 Mon | 8-10:30 a.m. | |
| 291 Aging: Molecular Mechanisms I | Poster | D36-E10 | Hall A | 21 Mon | 8 a.m.-noon | |
| 292 Alzheimer's Disease: Omics Approaches | Poster | E11-E38 | Hall A | 21 Mon | 8 a.m.-noon | |
| 293 Synaptic Dysfunction in Alzheimer's Disease: <i>In Vivo</i> Models II | Poster | E39-F14 | Hall A | 21 Mon | 8 a.m.-noon | |
| 294 Molecular Underpinnings of LRRK2 Function and Dysfunction | Poster | F15-F26 | Hall A | 21 Mon | 8 a.m.-noon | |
| 295 Alpha-Synuclein Models and Mechanisms I | Poster | F27-F45 | Hall A | 21 Mon | 8 a.m.-noon | |
| 296 Mouse Models of Tauopathies | Poster | F46-G10 | Hall A | 21 Mon | 8 a.m.-noon | |
| 297 ALS and Motor Neuron Disease | Poster | G11-G33 | Hall A | 21 Mon | 8 a.m.-noon | |
| 298 Mechanisms of Neurotoxicity I | Poster | G34-H11 | Hall A | 21 Mon | 8 a.m.-noon | |
| 299 Alzheimer's Disease: Neurotoxicity, Inflammation, and Neuroprotection | Poster | H12-H41 | Hall A | 21 Mon | 8 a.m.-noon | |
| 300 Traumatic Brain Injury: Models, Mechanisms, and Recovery | Poster | H42-I24 | Hall A | 21 Mon | 8 a.m.-noon | |
| 301 Peripheral Nerve Injury | Poster | I25-I38 | Hall A | 21 Mon | 8 a.m.-noon | |
| 302 Neural Injury and Treatment | Poster | I39-J17 | Hall A | 21 Mon | 8 a.m.-noon | |
| 303 Spinal Cord Injury and Plasticity: Neurophysiology | Poster | J18-J31 | Hall A | 21 Mon | 8 a.m.-noon | |
| 346 Necroptosis and Other Non-Apoptotic Processes in Microglial Pathophysiology and Neurologic Diseases | Minisymposium | | Room S105 | 21 Mon | 1:30-4 p.m. | 2.5 |
| 354 Amyloid-Beta: Novel Insights Into Function, Toxicity, and Animal Models | Nanosymposium | | Room S103 | 21 Mon | 1-4:30 p.m. | |
| 355 Imaging and Treatment Studies of Essential Tremor and Dementia | Nanosymposium | | Room S106 | 21 Mon | 1-2:45 p.m. | |
| 356 Mechanisms of Motor Neuron Disease | Nanosymposium | | Room N426 | 21 Mon | 1-3 p.m. | |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS | |
|---------------------------|--|--|----------|------------|--------|----------------|------|
| 374 | Aging: Molecular Mechanisms II | Poster | C40–C56 | Hall A | 21 Mon | 1–5 p.m. | |
| 375 | Alzheimer's Disease: APOE and Associated Pathways | Poster | C57–C85 | Hall A | 21 Mon | 1–5 p.m. | |
| 376 | Alzheimer's Disease and Therapeutic Strategies II | Poster | C86–D15 | Hall A | 21 Mon | 1–5 p.m. | |
| 377 | Alzheimer's Disease and Other Dementias: Therapeutic Strategies I | Poster | D16–D32 | Hall A | 21 Mon | 1–5 p.m. | |
| 378 | Neurodegenerative Disorders and Injury II | Poster | D33–D43 | Hall A | 21 Mon | 1–5 p.m. | |
| 379 | Parkinson's Disease: Mitochondrial Mechanisms and Genetics | Poster | D44–E13 | Hall A | 21 Mon | 1–5 p.m. | |
| 380 | Parkinson's Disease: Dopamine and Non-Dopamine Pathways | Poster | E14–E35 | Hall A | 21 Mon | 1–5 p.m. | |
| 381 | Parkinson's Disease Oscillations | Poster | E36–F15 | Hall A | 21 Mon | 1–5 p.m. | |
| 382 | Circuit Mechanisms of Motor Dysfunction in Parkinson's Disease | Poster | F16–F41 | Hall A | 21 Mon | 1–5 p.m. | |
| 383 | Parkinson's Disease: Clinical Trials | Poster | F42–G15 | Hall A | 21 Mon | 1–5 p.m. | |
| 384 | Parkinson's Disease Human Studies: Genetics and Diagnostics | Poster | G16–G31 | Hall A | 21 Mon | 1–5 p.m. | |
| 385 | Movement Disorders: Clinical and Preclinical Studies | Poster | G32–H11 | Hall A | 21 Mon | 1–5 p.m. | |
| 386 | Motor-Neuron Disease Mechanisms | Poster | H12–H33 | Hall A | 21 Mon | 1–5 p.m. | |
| 387 | Mechanisms of Neurotoxicity II | Poster | H34–I16 | Hall A | 21 Mon | 1–5 p.m. | |
| 388 | Neurodegeneration and Injury: Neuroinflammation | Poster | I17–I28 | Hall A | 21 Mon | 1–5 p.m. | |
| 389 | Neurotoxicity, Inflammation, and Neuroprotection: Preclinical Studies II | Poster | I29–J4 | Hall A | 21 Mon | 1–5 p.m. | |
| 390 | Ischemic Stroke III | Poster | J5–J17 | Hall A | 21 Mon | 1–5 p.m. | |
| 391 | Stroke II | Poster | J17–J33 | Hall A | 21 Mon | 1–5 p.m. | |
| 392 | Blast Injury, Traumatic Brain Injury, Stress, and PTSD | Poster | J34–K16 | Hall A | 21 Mon | 1–5 p.m. | |
| 393 | Treatment and Therapeutic Interventions for Spinal Cord Injury | Poster | K17–L2 | Hall A | 21 Mon | 1–5 p.m. | |
| 441 | Exoskeletons and Robotics for Neurorehabilitation | Basic-Translational-Clinical Roundtables | | Room N230B | 22 Tue | 8:30–11 a.m. | 2.5 |
| 443 | Special Lecture- Leveraging Brain Rhythms as a Therapeutic Intervention for Neurodegenerative Diseases | Lecture | | Hall B | 22 Tue | Noon–1:10 p.m. | 1.25 |
| 446 | Tau Protein in Alzheimer's Disease and Other Dementia: Biochemistry and Cellular/Animal Models | Nanosymposium | | Room S106 | 22 Tue | 8–11:15 a.m. | |
| 447 | Alzheimer's Disease and Related Dementia: Therapeutic Strategies | Nanosymposium | | Room S103 | 22 Tue | 8–11:15 a.m. | |
| 448 | Stroke I | Nanosymposium | | Room N228 | 22 Tue | 8–11:30 a.m. | |
| 449 | Spinal Cord Injury: Models, Mechanisms, and Therapeutic Strategies | Nanosymposium | | Room N227 | 22 Tue | 8–10 a.m. | |
| 470 | Brain Wellness and Aging: Mechanisms and Biomarkers | Poster | D2–D17 | Hall A | 22 Tue | 8 a.m.–noon | |
| 471 | Alzheimer's Disease: APP/Abeta Animal Models | Poster | D18–E1 | Hall A | 22 Tue | 8 a.m.–noon | |
| 472 | Tau: Animal and Cellular Models I | Poster | E2–E19 | Hall A | 22 Tue | 8 a.m.–noon | |
| 473 | Alzheimer's Disease and Other Dementias: Therapeutic Strategies II | Poster | E20–E34 | Hall A | 22 Tue | 8 a.m.–noon | |
| 474 | Molecular Mechanisms of Huntington's Disease | Poster | E35–F13 | Hall A | 22 Tue | 8 a.m.–noon | |
| 475 | Motor-Neuron Disease: Therapeutics | Poster | F14–F35 | Hall A | 22 Tue | 8 a.m.–noon | |
| 476 | Neuroprotective Mechanisms | Poster | F36–G17 | Hall A | 22 Tue | 8 a.m.–noon | |
| 477 | Neurotoxicity, Inflammation, and Neuroprotection: Microglia | Poster | G18–G39 | Hall A | 22 Tue | 8 a.m.–noon | |
| 478 | Non-Pharmacological Approaches for Stroke Therapy and Recovery | Poster | G40–H18 | Hall A | 22 Tue | 8 a.m.–noon | |
| 479 | Traumatic Brain Injury: Mechanisms, Biomarkers, and Recovery | Poster | H19–H45 | Hall A | 22 Tue | 8 a.m.–noon | |
| 480 | Traumatic Brain Injury: Mechanisms and Therapeutic Strategies | Poster | H46–I18 | Hall A | 22 Tue | 8 a.m.–noon | |
| 481 | Chronic Spinal Cord Injury | Poster | I19–I39 | Hall A | 22 Tue | 8 a.m.–noon | |
| 527 | Comparing Dopamine Metabolism in Mouse and Human Neurons: Relevance for Parkinson's Disease | Symposium | | Room S406A | 22 Tue | 1:30:00 | 2.5 |
| 537 | Molecular Targets for Parkinson's Disease: Animal Models | Nanosymposium | | Room S104 | 22 Tue | 1–3:15 p.m. | |
| 538 | Animal Models of Neurodegenerative Disorders | Nanosymposium | | Room N426 | 22 Tue | 1–3:45 p.m. | |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|--|---------------|----------------|------------|--------|------------------|-----------|
| 539 Neurotoxicity, Inflammation, and Neuroprotection | Nanosymposium | | Room S103 | 22 Tue | 1–4 p.m. | |
| 540 Stroke II | Nanosymposium | | Room S505 | 22 Tue | 1–3:30 p.m. | |
| 541 Traumatic Brain Injury | Nanosymposium | | Room S404 | 22 Tue | 1–4:15 p.m. | |
| 542 Therapeutic Interventions for Nervous System Injury | Nanosymposium | | Room N228 | 22 Tue | 1–3 p.m. | |
| 558 Alzheimer's Disease: Neuroinflammation and Immune Actions | Poster | C28–C57 | Hall A | 22 Tue | 1–5 p.m. | |
| 559 Synaptic Dysfunction in Alzheimer's Disease: <i>In Vitro</i> Models | Poster | C58–C85 | Hall A | 22 Tue | 1–5 p.m. | |
| 560 Alzheimer's Disease: Amyloid-Beta Toxicity | Poster | C86–D11 | Hall A | 22 Tue | 1–5 p.m. | |
| 561 Neurotoxicity, Inflammation, and Neuroprotection: Advances in Nanomedicine | Poster | D12–D23 | Hall A | 22 Tue | 1–5 p.m. | |
| 562 Alzheimer's Disease: Tau Biochemistry and Physiology | Poster | D24–D35 | Hall A | 22 Tue | 1–5 p.m. | |
| 563 Alzheimer's Disease and Related Disorders: Preclinical Models | Poster | D36–E19 | Hall A | 22 Tue | 1–5 p.m. | |
| 564 Alzheimer's Disease and Other Dementias: Therapeutic Strategies III | Poster | E20–E34 | Hall A | 22 Tue | 1–5 p.m. | |
| 565 Animal Models of Huntington's Disease | Poster | E35–F8 | Hall A | 22 Tue | 1–5 p.m. | |
| 566 Neurodegeneration Mechanisms | Poster | F9–F29 | Hall A | 22 Tue | 1–5 p.m. | |
| 567 Neuroinflammation and Animal Models I | Poster | F30–G2 | Hall A | 22 Tue | 1–5 p.m. | |
| 568 Neuroinflammation and Animal Models II | Poster | G3–G19 | Hall A | 22 Tue | 1–5 p.m. | |
| 569 Ischemic Stroke IV | Poster | G20–G36 | Hall A | 22 Tue | 1–5 p.m. | |
| 570 Traumatic Brain Injury: Therapeutic Strategies | Poster | G37–H14 | Hall A | 22 Tue | 1–5 p.m. | |
| 571 Spinal Cord Injury II | Poster | H15–H29 | Hall A | 22 Tue | 1–5 p.m. | |
| 572 Neural Stimulation and Rehabilitation to Treat Spinal Cord Injury | Poster | H30–H46 | Hall A | 22 Tue | 1–5 p.m. | |
| 625 Special Lecture- Aberrant Phase Separation in Neurodegenerative Disease | Lecture | | Hall B | 23 Wed | 10:30–11:40 a.m. | 1.25 |
| 629 Parkinson's Disease: Cellular Mechanisms | Nanosymposium | | Room N426 | 23 Wed | 8–11:30 a.m. | |
| 630 LRRK2 Function in Health and Disease | Nanosymposium | | Room S401 | 23 Wed | 8–9:45 a.m. | |
| 631 Cellular Mechanisms of Tauopathies | Nanosymposium | | Room S103 | 23 Wed | 8–10:30 a.m. | |
| 632 HIV-Associated Neurocognitive Disorders | Nanosymposium | | Room S403 | 23 Wed | 8–9:45 a.m. | |
| 633 Spinal Cord Injury: Non-Pharmacological Therapeutic Strategies | Nanosymposium | | Room N227 | 23 Wed | 8–9:45 a.m. | |
| 650 Tau: Animal and Cellular Models II | Poster | C55–C72 | Hall A | 23 Wed | 8 a.m.–noon | |
| 651 Alzheimer's Disease: Energy Homeostasis | Poster | C73–D4 | Hall A | 23 Wed | 8 a.m.–noon | |
| 652 Alzheimer's Disease Biomarkers | Poster | D5–D34 | Hall A | 23 Wed | 8 a.m.–noon | |
| 653 Genetic Models of Parkinson's Disease | Poster | D35–E12 | Hall A | 23 Wed | 8 a.m.–noon | |
| 654 Animal Models of Ataxia | Poster | E13–E40 | Hall A | 23 Wed | 8 a.m.–noon | |
| 655 Neurodegeneration and Neuromuscular Diseases | Poster | E41–F12 | Hall A | 23 Wed | 8 a.m.–noon | |
| 656 Neurotoxicity, Inflammation, and Neuroprotective Mechanisms: Preclinical | Poster | F13–F29 | Hall A | 23 Wed | 8 a.m.–noon | |
| 657 Stroke III | Poster | F30–G13 | Hall A | 23 Wed | 8 a.m.–noon | |
| 658 Traumatic Brain Injury: Biomarkers | Poster | G14–G33 | Hall A | 23 Wed | 8 a.m.–noon | |
| 659 Brain Injury and Trauma II | Poster | G34–H5 | Hall A | 23 Wed | 8 a.m.–noon | |
| 660 Spinal Cord Injury III | Poster | H6–H27 | Hall A | 23 Wed | 8 a.m.–noon | |
| 710 CNS Scarring, Inflammation, and Repair | Symposium | | Room S100A | 23 Wed | 1:30:00 | 2.5 |
| 742 Alpha-Synuclein Models and Mechanisms II | Poster | C64–C80 | Hall A | 23 Wed | 1–5 p.m. | |
| 743 Parkinson's Disease: Therapeutics | Poster | C81–D13 | Hall A | 23 Wed | 1–5 p.m. | |
| 744 Neuroinflammation: HIV and Infections | Poster | D14–D43 | Hall A | 23 Wed | 1–5 p.m. | |
| 745 Brain Injury, Ischemia, and Epilepsy | Poster | D44–E27 | Hall A | 23 Wed | 1–5 p.m. | |
| 746 Brain Injury and Trauma III | Poster | E28–F8 | Hall A | 23 Wed | 1–5 p.m. | |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|--|---------------|----------------|------------|--------|----------------|-----------|
| 747 Spinal Cord Injury and Repair | Poster | F9–F31 | Hall A | 23 Wed | 1–5 p.m. | |
| Theme D – Sensory Systems | | | | | | |
| 017 Activity Correlations and Coding | Nanosymposium | | Room S402 | 19 Sat | 1–3 p.m. | |
| 052 Somatosensation: Trigeminal Pain Circuits and Processing | Poster | H21–H34 | Hall A | 19 Sat | 1–5 p.m. | |
| 053 Somatosensation: Headache and Migraine | Poster | H35–I5 | Hall A | 19 Sat | 1–5 p.m. | |
| 054 Pain: Animal Models of Behavior | Poster | I6–I31 | Hall A | 19 Sat | 1–5 p.m. | |
| 055 Pain: Channels and Physiology Afferents to Spinal Cord | Poster | I32–J12 | Hall A | 19 Sat | 1–5 p.m. | |
| 056 Pain: Inflammatory Mechanisms | Poster | J13–J39 | Hall A | 19 Sat | 1–5 p.m. | |
| 057 Touch: Barrel Cortex Coding | Poster | J40–K17 | Hall A | 19 Sat | 1–5 p.m. | |
| 058 Chemosensory Processing I | Poster | K18–L7 | Hall A | 19 Sat | 1–5 p.m. | |
| 059 Temporal and Spectral Auditory Processing | Poster | L8–L32 | Hall A | 19 Sat | 1–5 p.m. | |
| 060 Auditory Processing: From Cochlea to Midbrain | Poster | L33–M1 | Hall A | 19 Sat | 1–5 p.m. | |
| 061 Decision Making I | Poster | M2–M19 | Hall A | 19 Sat | 1–5 p.m. | |
| 098 Parabrachial Complex: A Hub for Pain and Aversion | Minisymposium | | Room S406B | 20 Sun | 8:30–11 a.m. | 2.5 |
| 108 Dynamic Signal Integration Across Saccades | Nanosymposium | | Room S505 | 20 Sun | 8–9:45 a.m. | |
| 137 Auditory Processing: Adaptation, Learning, and Memory | Poster | I33–J13 | Hall A | 20 Sun | 8 a.m.–noon | |
| 138 Human Auditory Processing I | Poster | J14–J30 | Hall A | 20 Sun | 8 a.m.–noon | |
| 139 Vestibular System and Balance | Poster | J31–K2 | Hall A | 20 Sun | 8 a.m.–noon | |
| 140 Vision: Subcortical Visual Pathways | Poster | K3–K24 | Hall A | 20 Sun | 8 a.m.–noon | |
| 141 Visual Cortex: Functional Architecture and Circuits I | Poster | K25–L5 | Hall A | 20 Sun | 8 a.m.–noon | |
| 142 Visual Processing Beyond V1 | Poster | L6–L24 | Hall A | 20 Sun | 8 a.m.–noon | |
| 143 Spatial and Chromatic Vision | Poster | L25–L38 | Hall A | 20 Sun | 8 a.m.–noon | |
| 190 Pain and Itch Behavior, Circuitry, and Novel Techniques | Nanosymposium | | Room S106 | 20 Sun | 1–3:15 p.m. | |
| 191 Neuronal Circuits Underlying Binocular Vision and Stereopsis | Nanosymposium | | Room S505 | 20 Sun | 1–3:15 p.m. | |
| 218 Somatosensation: Ion Channels | Poster | H7–H33 | Hall A | 20 Sun | 1–5 p.m. | |
| 219 Somatosensation: Pain Mechanisms | Poster | H34–I16 | Hall A | 20 Sun | 1–5 p.m. | |
| 220 Preclinical and Clinical Studies in Peripheral Nerve Injury and Neuropathic Pain | Poster | I17–J2 | Hall A | 20 Sun | 1–5 p.m. | |
| 221 Touch: Thalamic-Cortical Processing | Poster | J3–J26 | Hall A | 20 Sun | 1–5 p.m. | |
| 222 Auditory Processing | Poster | J27–J46 | Hall A | 20 Sun | 1–5 p.m. | |
| 223 Auditory Processing: Perception, Cognition, and Action | Poster | K1–K22 | Hall A | 20 Sun | 1–5 p.m. | |
| 224 Human Auditory Processing II | Poster | K23–K38 | Hall A | 20 Sun | 1–5 p.m. | |
| 225 Mechanisms of Retinal Circuit Assembly and Function | Poster | K39–L27 | Hall A | 20 Sun | 1–5 p.m. | |
| 226 Eye Movements and Perception | Poster | L28–M10 | Hall A | 20 Sun | 1–5 p.m. | |
| 264 Special Lecture- Active Touch, Pain, and Anesthesia | Lecture | | Hall B | 21 Mon | Noon–1:10 p.m. | 1.25 |
| 268 Organization and Function of Human Visual Cortex | Nanosymposium | | Room N427 | 21 Mon | 8–11:30 a.m. | |
| 304 Peripheral Auditory System | Poster | J32–J46 | Hall A | 21 Mon | 8 a.m.–noon | |
| 305 Auditory Cortex: Temporal and Frequency Factors | Poster | K1–K24 | Hall A | 21 Mon | 8 a.m.–noon | |
| 306 Auditory Processing: From Midbrain to Cortex | Poster | K25–L3 | Hall A | 21 Mon | 8 a.m.–noon | |
| 307 Visual Cortex: Manipulating and Reading Neural Activity | Poster | L4–L22 | Hall A | 21 Mon | 8 a.m.–noon | |
| 308 Visual Cortex: Plasticity | Poster | L23–L35 | Hall A | 21 Mon | 8 a.m.–noon | |
| 309 Processing of Visual Motion | Poster | L36–M8 | Hall A | 21 Mon | 8 a.m.–noon | |
| 310 Sensorimotor Transformation: Behavior and Neuroprocessing | Poster | M9–M33 | Hall A | 21 Mon | 8 a.m.–noon | |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|---|---------------|----------------|------------|--------|--------------|-----------|
| 347 What Do Neurons Want? | Minisymposium | | Room S102 | 21 Mon | 1:30–4 p.m. | 2.5 |
| 357 Pain Imaging and Perception | Nanosymposium | | Room S403 | 21 Mon | 1–3 p.m. | |
| 358 Tactile Coding in the Cortex | Nanosymposium | | Room S401 | 21 Mon | 1–3:45 p.m. | |
| 394 Discovery and Treatment Studies in Auditory and Visual Preclinical Neuroscience | Poster | L3–L19 | Hall A | 21 Mon | 1–5 p.m. | |
| 395 Somatosensation: Spinal Circuits | Poster | L20–L39 | Hall A | 21 Mon | 1–5 p.m. | |
| 396 Somatosensation: Itch Mechanisms | Poster | L40–M9 | Hall A | 21 Mon | 1–5 p.m. | |
| 397 Pain: Thalamus, Cortex, and Amygdala Processing | Poster | M10–M233 | Hall A | 21 Mon | 1–5 p.m. | |
| 398 Central Nervous System Mechanisms in Pain | Poster | M34–N19 | Hall A | 21 Mon | 1–5 p.m. | |
| 399 Chemosensory Processing II | Poster | N20– | Hall A | 21 Mon | 1–5 p.m. | |
| 400 Peripheral Vestibular System | Poster | O1–O12 | Hall A | 21 Mon | 1–5 p.m. | |
| 401 Auditory Processing: Vocalizations and Natural Sounds | Poster | O13–O33 | Hall A | 21 Mon | 1–5 p.m. | |
| 402 Cellular Mechanisms of Vestibular Control | Poster | O34–P4 | Hall A | 21 Mon | 1–5 p.m. | |
| 403 Visual Cortex: Circuits | Poster | P5–Q10 | Hall A | 21 Mon | 1–5 p.m. | |
| 438 Sensory Circuits for Vision and Smell: Integrating Molecular, Anatomical, and Functional Maps | Minisymposium | | Room S105 | 22 Tue | 8:30–11 a.m. | 2.5 |
| 482 Somatosensation: Descending Modulation of Pain | Poster | I40–J21 | Hall A | 22 Tue | 8 a.m.–noon | |
| 483 Pain Models: Pharmacology | Poster | J22–K2 | Hall A | 22 Tue | 8 a.m.–noon | |
| 484 Somatosensation: Pain and Opioids | Poster | K3–K26 | Hall A | 22 Tue | 8 a.m.–noon | |
| 485 Touch: Transduction and Stimulus Encoding | Poster | K27–L8 | Hall A | 22 Tue | 8 a.m.–noon | |
| 486 Touch: Cortical Encoding and Plasticity | Poster | L9–L29 | Hall A | 22 Tue | 8 a.m.–noon | |
| 487 Scenes and Space | Poster | L30–L41 | Hall A | 22 Tue | 8 a.m.–noon | |
| 488 Representations of Objects | Poster | L42–M23 | Hall A | 22 Tue | 8 a.m.–noon | |
| 489 Faces and Bodies | Poster | M24–M41 | Hall A | 22 Tue | 8 a.m.–noon | |
| 490 Visual Learning, Memory, and Categorization | Poster | M42–N22 | Hall A | 22 Tue | 8 a.m.–noon | |
| 491 Sensorimotor Transformation: Reach and Grasp | Poster | N23–N45 | Hall A | 22 Tue | 8 a.m.–noon | |
| 531 Expecting the Unexpected: Cortical Circuits for Novelty Detection | Minisymposium | | Room S406B | 22 Tue | 1:30:00 | 2.5 |
| 543 New Approaches for Pain Assessment and Treatment | Nanosymposium | | Room S405 | 22 Tue | 1–3 p.m. | |
| 573 Taste: Sensing and Coding | Poster | I1–I11 | Hall A | 22 Tue | 1–5 p.m. | |
| 574 Auditory Processing: Neural Coding | Poster | I12–I41 | Hall A | 22 Tue | 1–5 p.m. | |
| 575 Cellular Mechanisms of Retinal Connectivity in Health and Disease | Poster | I42–J25 | Hall A | 22 Tue | 1–5 p.m. | |
| 576 Visual System: Response Modulation and Adaptation | Poster | J26–J45 | Hall A | 22 Tue | 1–5 p.m. | |
| 577 Visual Pathways: To and From the Cortex | Poster | J46–K17 | Hall A | 22 Tue | 1–5 p.m. | |
| 578 Multi-Sensory Integration | Poster | K18–L1 | Hall A | 22 Tue | 1–5 p.m. | |
| 618 New Approaches to Vision Restoration | Symposium | | Room S100A | 23 Wed | 8:30–11 a.m. | 2.5 |
| 634 Novel Insights Into Neuropathic Pain | Nanosymposium | | Room S104 | 23 Wed | 8–9:45 a.m. | |
| 635 Mapping Chemosensory Representations | Nanosymposium | | Room S106 | 23 Wed | 8–11:30 a.m. | |
| 661 Somatosensation: Non-Opioid Treatment of Pain | Poster | H28–I4 | Hall A | 23 Wed | 8 a.m.–noon | |
| 662 Touch: Neocortex Networks and Models | Poster | I5–17 | Hall A | 23 Wed | 8 a.m.–noon | |
| 663 Chemosensory Processing III | Poster | I18–J1 | Hall A | 23 Wed | 8 a.m.–noon | |
| 664 Selective Attention | Poster | J2–J26 | Hall A | 23 Wed | 8 a.m.–noon | |
| 665 Cross-Modal Processing in Humans I | Poster | J27–J40 | Hall A | 23 Wed | 8 a.m.–noon | |
| 666 Cross-Modal Processing in Humans II | Poster | J41–K24 | Hall A | 23 Wed | 8 a.m.–noon | |
| 713 Progress in Pain and Itch Research | Minisymposium | | Room S102 | 23 Wed | 1:30:00 | 2.5 |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|--------------------------------|--|----------------|------------|--------|------------------|-------------|
| 720 | Mechanisms Controlling Retinal Synaptic Connectivity and Function | Nanosymposium | Room S402 | 23 Wed | 1–2:45 p.m. | |
| 721 | Integration Across Sensory Modalities | Nanosymposium | Room S403 | 23 Wed | 1–2:45 p.m. | |
| 748 | Somatosensation: Treatments for Persistent Pain | Poster | F32–G12 | Hall A | 23 Wed | 1–5 p.m. |
| 749 | Role of Inflammatory and Immune Responses in Chronic Pain | Poster | G13–G35 | Hall A | 23 Wed | 1–5 p.m. |
| 750 | Somatosensation: Pain, Imaging, and Perception | Poster | G36–H34 | Hall A | 23 Wed | 1–5 p.m. |
| 752 | Active Vision and Context Modulation | Poster | H35–I16 | Hall A | 23 Wed | 1–5 p.m. |
| 753 | Visual Cortex: Cell Types, Functional Organization, and Connectivity | Poster | I17–J31 | Hall A | 23 Wed | 1–5 p.m. |
| 754 | Visual Cortex: Functional Architecture and Circuits II | Poster | I32–J8 | Hall A | 23 Wed | 1–5 p.m. |
| 755 | Visual Systems: Functional Architecture and Circuits | Poster | J9–J31 | Hall A | 23 Wed | 1–5 p.m. |
| 756 | Decision Making III | Poster | J32–J44 | Hall A | 23 Wed | 1–5 p.m. |
| 757 | Decision Making IV | Poster | J45–K11 | Hall A | 23 Wed | 1–5 p.m. |
| Theme E – Motor Systems | | | | | | |
| 004 | Gain Control in the Sensorimotor System: From Neural Circuit Organization to Behavioral Function | Minisymposium | Room S406B | 19 Sat | 1:30–4 p.m. | 2.5 |
| 062 | Eye Movements: Central Processing | Poster | M20–M41 | Hall A | 19 Sat | 1–5 p.m. |
| 063 | Cerebellum: Plasticity and Climbing Fibers | Poster | M42–N9 | Hall A | 19 Sat | 1–5 p.m. |
| 064 | Motor Systems: Fine Manual Control | Poster | N10–N33 | Hall A | 19 Sat | 1–5 p.m. |
| 065 | Neuronal Analysis of Respiratory Networks | Poster | N34–O4 | Hall A | 19 Sat | 1–5 p.m. |
| 066 | Motor Neuron I | Poster | O5–O26 | Hall A | 19 Sat | 1–5 p.m. |
| 099 | The Neural Basis of Manual Dexterity | Minisymposium | Room S102 | 20 Sun | 8:30–11 a.m. | 2.5 |
| 144 | Eye Movements: Saccades in Nonhuman Primates | Poster | L39–M13 | Hall A | 20 Sun | 8 a.m.–noon |
| 145 | Basal Ganglia: Neuromodulation | Poster | M14–M32 | Hall A | 20 Sun | 8 a.m.–noon |
| 146 | Basal Ganglia: Behavioral Control | Poster | M33–N16 | Hall A | 20 Sun | 8 a.m.–noon |
| 176 | Special Lecture- Comparative Neurobiology of Vocal Communication | Lecture | Hall B | 20 Sun | 1:30–2:40 p.m. | 1.25 |
| 227 | Sensorimotor Coordination in Motor Control | Poster | M11–M37 | Hall A | 20 Sun | 1–5 p.m. |
| 228 | Motor Control in Primates and Humans | Poster | M38–N16 | Hall A | 20 Sun | 1–5 p.m. |
| 229 | Sensorimotor Learning I | Poster | N17–N45 | Hall A | 20 Sun | 1–5 p.m. |
| 230 | Cells, Circuits, and Motor Patterns | Poster | N46–O20 | Hall A | 20 Sun | 1–5 p.m. |
| 231 | Respiration: Modulation and Regulation | Poster | O21–P3 | Hall A | 20 Sun | 1–5 p.m. |
| 255 | Special Lecture- Neural Mechanisms of Short-Term Memory and Motor Planning | Lecture | Hall B | 21 Mon | 10:30–11:40 a.m. | 1.25 |
| 311 | Motor Control and Rehabilitation in Primates and Humans | Poster | M34–N17 | Hall A | 21 Mon | 8 a.m.–noon |
| 312 | Cortical Planning and Execution: Neurophysiology in Humans | Poster | N18–N46 | Hall A | 21 Mon | 8 a.m.–noon |
| 313 | Cortical Planning and Execution: Neurophysiology in Nonhuman Primates I | Poster | O1–O23 | Hall A | 21 Mon | 8 a.m.–noon |
| 314 | Motor Cortex and Motor Learning | Poster | O24–P7 | Hall A | 21 Mon | 8 a.m.–noon |
| 315 | Brain-Computer Interface: Intracranial | Poster | P8–P32 | Hall A | 21 Mon | 8 a.m.–noon |
| 316 | Posture and Gait I | Poster | P33–Q15 | Hall A | 21 Mon | 8 a.m.–noon |
| 317 | Afferent Control of Posture and Gait | Poster | Q16–R9 | Hall A | 21 Mon | 8 a.m.–noon |
| 318 | Neuromodulation of Motor Pattern Generation | Poster | R10–S9 | Hall A | 21 Mon | 8 a.m.–noon |
| 405 | Cerebellum: Cortex and Nuclei I | Poster | Q11–R13 | Hall A | 21 Mon | 1–5 p.m. |
| 406 | Brain-Computer Interface: Algorithms and Analyses | Poster | R14–S11 | Hall A | 21 Mon | 1–5 p.m. |
| 407 | Neuro-Muscle Interactions | Poster | S12–T14 | Hall A | 21 Mon | 1–5 p.m. |
| 439 | Beta Oscillations in Sensorimotor Function, Executive Action Control, and Working Memory | Minisymposium | Room S406A | 22 Tue | 8:30–11 a.m. | 2.5 |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|---|---------------|----------------|------------|--------|-------------|-----------|
| 450 Cerebellum Circuits and Functions | Nanosymposium | | Room N426 | 22 Tue | 8–9:45 a.m. | |
| 492 Human-Reaching Motor Learning | Poster | N46–O17 | Hall A | 22 Tue | 8 a.m.–noon | |
| 493 Motor Learning: Circuits | Poster | O18–O38 | Hall A | 22 Tue | 8 a.m.–noon | |
| 494 Cortical Planning and Execution: Neurophysiology in Rodents and Others I | Poster | O39–P14 | Hall A | 22 Tue | 8 a.m.–noon | |
| 495 Brain-Computer Interface: Neurophysiology, Function, and Learning | Poster | P15–P34 | Hall A | 22 Tue | 8 a.m.–noon | |
| 496 Motor Systems Analysis and Models | Poster | P35–Q3 | Hall A | 22 Tue | 8 a.m.–noon | |
| 497 Control of Spinal Locomotion Circuits | Poster | Q4–R3 | Hall A | 22 Tue | 8 a.m.–noon | |
| 544 Motor Control and Stroke Recovery | Nanosymposium | | Room S403 | 22 Tue | 1–4 p.m. | |
| 579 Cerebellum: Cortex and Nuclei II | Poster | L2–L23 | Hall A | 22 Tue | 1–5 p.m. | |
| 580 Basal Ganglia: Pathophysiology | Poster | L24–M2 | Hall A | 22 Tue | 1–5 p.m. | |
| 581 Sensorimotor Transformation: Physiology and Pathophysiology | Poster | M3–M19 | Hall A | 22 Tue | 1–5 p.m. | |
| 582 Animal-Reaching Motor Learning | Poster | M20–M29 | Hall A | 22 Tue | 1–5 p.m. | |
| 583 Cortical Planning and Execution: Neurophysiology in Rodents and Others II | Poster | M30–N2 | Hall A | 22 Tue | 1–5 p.m. | |
| 584 Brain-Computer Interface: Rehabilitation | Poster | N3–N24 | Hall A | 22 Tue | 1–5 p.m. | |
| 585 Motor Neuron II | Poster | N25–O3 | Hall A | 22 Tue | 1–5 p.m. | |
| 667 Basal Ganglia: Cellular and Systems Physiology | Poster | K25–L14 | Hall A | 23 Wed | 8 a.m.–noon | |
| 668 Sensorimotor Learning II | Poster | L15–L41 | Hall A | 23 Wed | 8 a.m.–noon | |
| 669 Brain-Computer Interface: EMG | Poster | L42–M14 | Hall A | 23 Wed | 8 a.m.–noon | |
| 670 Sensorimotor Control, Movements, and Motor Cortex | Poster | M15–M40 | Hall A | 23 Wed | 8 a.m.–noon | |
| 671 Reflexes | Poster | M40–N9 | Hall A | 23 Wed | 8 a.m.–noon | |
| 714 Adaptive Control of Movements and Emotional States by the Cerebellum | Minisymposium | | Room S406B | 23 Wed | 1:30:00 | 2.5 |
| 722 Cortical and Subcortical Planning and Execution | Nanosymposium | | Room N227 | 23 Wed | 1–3:45 p.m. | |
| 758 Oral Motor Behavior and Speech | Poster | K12–K25 | Hall A | 23 Wed | 1–5 p.m. | |
| 759 Motor Impairment and Recovery | Poster | K26–L10 | Hall A | 23 Wed | 1–5 p.m. | |
| 760 Brain-Computer Interface: Extracranial | Poster | L11–L40 | Hall A | 23 Wed | 1–5 p.m. | |
| 761 Brain-Computer Interface: Stimulation for Sensation | Poster | L41–M9 | Hall A | 23 Wed | 1–5 p.m. | |
| 762 Posture and Gait II | Poster | M10–M32 | Hall A | 23 Wed | 1–5 p.m. | |
| 763 High-Level Control of Posture and Gait | Poster | M33–N16 | Hall A | 23 Wed | 1–5 p.m. | |
| 764 Impairments of Posture and Gait | Poster | N17–N45 | Hall A | 23 Wed | 1–5 p.m. | |
| Theme F – Integrative Physiology and Behavior | | | | | | |
| 005 Sex Differences in Drug Craving and Addiction-Like Behaviors in Rodent Models | Minisymposium | | Room S102 | 19 Sat | 1:30–4 p.m. | 2.5 |
| 067 Invertebrate Sensory-Motor Integration | Poster | O27–P5 | Hall A | 19 Sat | 1–5 p.m. | |
| 068 Vertebrate Sensory-Motor Integration | Poster | P6–P25 | Hall A | 19 Sat | 1–5 p.m. | |
| 069 Neural and Contextual Modulation of Affiliative Behavior | Poster | P26–Q13 | Hall A | 19 Sat | 1–5 p.m. | |
| 070 Stress and the Inflammatory/Immune Response | Poster | Q14–R10 | Hall A | 19 Sat | 1–5 p.m. | |
| 071 Autonomic Regulation: Gastrointestinal, Renal, Urinary, and Reproductive Regulation | Poster | R11–T2 | Hall A | 19 Sat | 1–5 p.m. | |
| 072 Autonomic Regulation: Thermoregulation, Inflammation, and Other Interactions | Poster | T3–T18 | Hall A | 19 Sat | 1–5 p.m. | |
| 073 Feeding and Food-Related Disorders | Poster | T19–U10 | Hall A | 19 Sat | 1–5 p.m. | |
| 147 Maternal and Adolescent Behavior and Physiology | Poster | N17–N46 | Hall A | 20 Sun | 8 a.m.–noon | |
| 148 Somatic Influences on the Brain and Vice Versa | Poster | O1–O16 | Hall A | 20 Sun | 8 a.m.–noon | |
| 149 Neuropeptide Regulation: Feeding and Metabolism | Poster | O17–O40 | Hall A | 20 Sun | 8 a.m.–noon | |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|---------------------------|---|----------------|-------------|--------|--------------|-------------------|
| 192 | Information Seeking From Flies to Human | Nanosymposium | Room N426 | 20 Sun | 1–3:15 p.m. | |
| 193 | Functional Role of Sleep | Nanosymposium | Room S404 | 20 Sun | 1–4:15 p.m. | |
| 232 | Vocalization and Social Behavior in Songbirds I | Poster | P4–P25 | Hall A | 20 Sun | 1–5 p.m. |
| 233 | Vocalization and Social Behavior in Songbirds II | Poster | P26–Q13 | Hall A | 20 Sun | 1–5 p.m. |
| 259 | Insights Into Neural Coding and Behavior From Large-Scale Population Recordings Across Cortical Areas | Minisymposium | Room S406B | 21 Mon | 8:30–11 a.m. | 2.5 |
| 269 | Neural Mechanisms for Controlling Continuous Action | Nanosymposium | Room S403 | 21 Mon | 8–11:15 a.m. | |
| 319 | Stress-Modulated Pathways: Hypothalamus, Amygdala, and Bed Nucleus | Poster | S10–T19 | Hall A | 21 Mon | 8 a.m.–noon |
| 320 | CRF in Stress-Modulated Pathways: Hypothalamus, Amygdala, and Bed Nucleus | Poster | T20–U20 | Hall A | 21 Mon | 8 a.m.–noon |
| 321 | Stress-Modulated Pathways: Brainstem and Others | Poster | U21– | Hall A | 21 Mon | 8 a.m.–noon |
| 322 | Stress, Cognition, and Behavior: Animal Studies | Poster | V1–V27 | Hall A | 21 Mon | 8 a.m.–noon |
| 345 | Cortical Disinhibitory Circuits: Cell Types, Connectivity, and Function | Symposium | Room S100BC | 21 Mon | 1:30–4 p.m. | 2.5 |
| 408 | Hormone Modulation of Behavior and Physiology I | Poster | T15–U14 | Hall A | 21 Mon | 1–5 p.m. |
| 409 | Early-Life Stress | Poster | U15–V3 | Hall A | 21 Mon | 1–5 p.m. |
| 410 | Circadian Aspects of Sleep and Gap Junctions | Poster | V4–V24 | Hall A | 21 Mon | 1–5 p.m. |
| 434 | Special Lecture- Flies and Alcohol: An Interplay of Nature and Nurture | Lecture | | Hall B | 22 Tue | 9–10:10 a.m. 1.25 |
| 451 | Stress and Trauma: Adaptive Mechanisms | Nanosymposium | Room S404 | 22 Tue | 8–10 a.m. | |
| 452 | Homeostatic Circuits, Feeding, and Energy Balance | Nanosymposium | Room S505 | 22 Tue | 8–9:45 a.m. | |
| 498 | Vocalization and Social Behavior in Non-Avian Species | Poster | R4–S2 | Hall A | 22 Tue | 8 a.m.–noon |
| 499 | Hormone Modulation of Behavior and Physiology II | Poster | S3–T14 | Hall A | 22 Tue | 8 a.m.–noon |
| 500 | Behavioral Responses to Stress | Poster | T15–U7 | Hall A | 22 Tue | 8 a.m.–noon |
| 501 | Functional Brain Imaging and Multimodal Imaging | Poster | U8–V21 | Hall A | 22 Tue | 8 a.m.–noon |
| 503 | Sleep Regulation | Poster | V22–V35 | Hall A | 22 Tue | 8 a.m.–noon |
| 528 | Neural Circuit and Plasticity Mechanisms of Cognitive Control of Feeding Behavior | Symposium | Room S100A | 22 Tue | 1:30:00 | 2.5 |
| 532 | Redefining Neuromodulation of Behavior: Impact of a Modular Locus Coeruleus Architecture | Minisymposium | Room S102 | 22 Tue | 1:30:00 | 2.5 |
| 586 | Hormone Modulation of Behavior and Physiology III | Poster | O4–O33 | Hall A | 22 Tue | 1–5 p.m. |
| 587 | Stress and Adolescence | Poster | O34–P2 | Hall A | 22 Tue | 1–5 p.m. |
| 588 | Stress-Modulated Pathways | Poster | P3–P30 | Hall A | 22 Tue | 1–5 p.m. |
| 589 | Brain Blood Flow, Metabolism, and Homeostasis | Poster | P31–Q16 | Hall A | 22 Tue | 1–5 p.m. |
| 590 | Sleep Mechanisms | Poster | Q17–S6 | Hall A | 22 Tue | 1–5 p.m. |
| 591 | Food Intake and Energy Balance: Integration of Peripheral Signals | Poster | S7–T7 | Hall A | 22 Tue | 1–5 p.m. |
| 620 | Regulation and Dysregulation of Activity Homeostasis in Central Neural Circuits | Minisymposium | Room S406B | 23 Wed | 8:30–11 a.m. | 2.5 |
| 636 | Sex Differences in Response to Stress | Nanosymposium | Room N427 | 23 Wed | 8–11:15 a.m. | |
| 672 | Neural and Contextual Modulation of Sexual Behavior | Poster | N10–N30 | Hall A | 23 Wed | 8 a.m.–noon |
| 673 | Hormone Modulation of Behavior and Physiology IV | Poster | N31–O11 | Hall A | 23 Wed | 8 a.m.–noon |
| 674 | Neuroinflammation: Pathophysiological Consequences | Poster | O12–O33 | Hall A | 23 Wed | 8 a.m.–noon |
| 675 | Neuroinflammation: Neurophysiological Responses | Poster | O34–P17 | Hall A | 23 Wed | 8 a.m.–noon |
| 676 | Neuroinflammation: Cognition and Behavioral Responses | Poster | P18–P41 | Hall A | 23 Wed | 8 a.m.–noon |
| 677 | Blood-Brain Barrier: Control and Mechanisms | Poster | P42–Q12 | Hall A | 23 Wed | 8 a.m.–noon |
| 678 | Sleep Mechanisms and Function | Poster | Q13–R20 | Hall A | 23 Wed | 8 a.m.–noon |
| 679 | Circadian Clocks | Poster | S1–S11 | Hall A | 23 Wed | 8 a.m.–noon |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|---|--|----------------|----------|-------------|--------|-----------------------|
| 680 | Central Regulation of Thirst and Water Balance | Poster | S12-T5 | Hall A | 23 Wed | 8 a.m.–noon |
| 681 | Development: Diet and Metabolism | Poster | T6-U7 | Hall A | 23 Wed | 8 a.m.–noon |
| 682 | Food Reward | Poster | U8-U28 | Hall A | 23 Wed | 8 a.m.–noon |
| 683 | Central Pathways Controlling Food Intake and Energy Balance | Poster | U29-V12 | Hall A | 23 Wed | 8 a.m.–noon |
| 765 | Stress Response: Sex Differences | Poster | N46-O23 | Hall A | 23 Wed | 1-5 p.m. |
| 766 | Gulf War Illness: Pathological Causes and Consequences | Poster | O24-O43 | Hall A | 23 Wed | 1-5 p.m. |
| 767 | Cellular Response to Stress | Poster | O44-P18 | Hall A | 23 Wed | 1-5 p.m. |
| 768 | Preclinical and Human Studies in Neurovascular Coupling Mechanisms | Poster | P19-Q6 | Hall A | 23 Wed | 1-5 p.m. |
| 769 | Cardiovascular Regulation I | Poster | Q7-R8 | Hall A | 23 Wed | 1-5 p.m. |
| 770 | Cardiovascular Regulation II | Poster | R9-S5 | Hall A | 23 Wed | 1-5 p.m. |
| 771 | Biological Rhythms: Entrainment and Phase Shifts | Poster | S6-T7 | Hall A | 23 Wed | 1-5 p.m. |
| Theme G – Motivation and Emotion | | | | | | |
| 002 | Epigenetic Mechanisms: Shared Pathology Across Brain Disorders | Symposium | | Room S100A | 19 Sat | 1:30–4 p.m. 2.5 |
| 018 | Neural Circuits, Memory, and Emotion | Nanosymposium | | Room S403 | 19 Sat | 1–4:30 p.m. |
| 074 | Fear and Aversive Learning and Memory: Extinction | Poster | U11-U30 | Hall A | 19 Sat | 1–5 p.m. |
| 075 | Neural Mechanisms Underlying Motivated Behaviors and Addiction | Poster | U31-V9 | Hall A | 19 Sat | 1–5 p.m. |
| 076 | Stress and Mood Disorders: Animal Studies | Poster | V10-V32 | Hall A | 19 Sat | 1–5 p.m. |
| 077 | Cognitive Effects of Abused Substances | Poster | V33-V46 | Hall A | 19 Sat | 1–5 p.m. |
| 078 | Mechanisms Underlying Alcohol Consumption I | Poster | W1-W25 | Hall A | 19 Sat | 1–5 p.m. |
| 079 | Alcohol's Effects on the Brain | Poster | W26-W43 | Hall A | 19 Sat | 1–5 p.m. |
| 080 | Nicotine, Reward, and Dependence | Poster | W44-X18 | Hall A | 19 Sat | 1–5 p.m. |
| 100 | CLINICAL NEUROSCIENCE LECTURE- From Pecking Order to Ketamine: Neural Mechanisms of Social and Emotional Behaviors | Lecture | | Hall B | 20 Sun | 10:30–11:40 a.m. 1.25 |
| 109 | Neural and Molecular Mechanisms of Alcohol and Substance Use Disorders | Nanosymposium | | Room S106 | 20 Sun | 8–11:15 a.m. |
| 150 | Appetitive and Incentive Learning and Memory I | Poster | O41-P19 | Hall A | 20 Sun | 8 a.m.–noon |
| 151 | Fear and Aversive Learning and Memory: Acquisition | Poster | P20-P37 | Hall A | 20 Sun | 8 a.m.–noon |
| 152 | Human Motivation and Emotion I | Poster | P38-R1 | Hall A | 20 Sun | 8 a.m.–noon |
| 153 | Human Motivation and Emotion II | Poster | R2-S1 | Hall A | 20 Sun | 8 a.m.–noon |
| 154 | Drugs of Abuse: Learning and Memory I | Poster | S2-T3 | Hall A | 20 Sun | 8 a.m.–noon |
| 155 | Mechanisms Underlying Alcohol Consumption II | Poster | T4-U1 | Hall A | 20 Sun | 8 a.m.–noon |
| 156 | Neural and Behavioral Mechanisms of Addiction: Amphetamine | Poster | U2-U26 | Hall A | 20 Sun | 8 a.m.–noon |
| 157 | Cocaine Relapse | Poster | U27-V5 | Hall A | 20 Sun | 8 a.m.–noon |
| 179 | Cannabis and the Developing Brain: Insights Into Its Long-Lasting Effects | Minisymposium | | Room S100BC | 20 Sun | 1:30–4 p.m. 2.5 |
| 194 | Cortical and Subcortical Mechanisms of Aversive Processing | Nanosymposium | | Room S104 | 20 Sun | 1–2:45 p.m. |
| 234 | Reward, Value, and Decisions | Poster | Q14-S2 | Hall A | 20 Sun | 1–5 p.m. |
| 235 | Emotion: Positive and Negative Emotional States | Poster | S3-T9 | Hall A | 20 Sun | 1–5 p.m. |
| 236 | Depression: Pathology | Poster | T10-U2 | Hall A | 20 Sun | 1–5 p.m. |
| 237 | Genetic and Molecular Mechanisms Underlying Alcohol Dependence | Poster | U3-U25 | Hall A | 20 Sun | 1–5 p.m. |
| 238 | Addiction Treatment | Poster | U26-U40 | Hall A | 20 Sun | 1–5 p.m. |
| 239 | Neural Mechanisms of Addiction: Amphetamines | Poster | V1-V18 | Hall A | 20 Sun | 1–5 p.m. |
| 240 | Opioids: Mechanisms of Dependence | Poster | V19-W2 | Hall A | 20 Sun | 1–5 p.m. |
| 260 | Ventral Tegmental Area (VTA) Cell Heterogeneity in Health and Disease | Minisymposium | | Room S102 | 21 Mon | 8:30–11 a.m. 2.5 |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|---------------------------|--|--|-------------|--------|----------------|-------------|
| 262 | Mechanisms of Drug Addiction: A Translational Perspective | Basic-Translational-Clinical Roundtables | Room N230B | 21 Mon | 8:30 – 11 a.m. | 2.5 |
| 270 | Neural Mechanisms Underlying Depression and Anxiety | Nanosymposium | Room S505 | 21 Mon | 8–11 a.m. | |
| 323 | Reward: Neuropharmacology | Poster | V28–W1 | Hall A | 21 Mon | 8 a.m.–noon |
| 324 | Subcortical Circuitry: Reward Seeking and Reinforcement | Poster | W2–W29 | Hall A | 21 Mon | 8 a.m.–noon |
| 325 | Neural Mechanisms of Social Communication and Motivated Behaviors | Poster | W30–X13 | Hall A | 21 Mon | 8 a.m.–noon |
| 326 | Emotion: Fear, Anxiety, and Pain I | Poster | X14–X39 | Hall A | 21 Mon | 8 a.m.–noon |
| 327 | Consequences of Alcohol and Drug Exposure During Development | Poster | X40–Y21 | Hall A | 21 Mon | 8 a.m.–noon |
| 328 | Cocaine Craving | Poster | Y22–Y42 | Hall A | 21 Mon | 8 a.m.–noon |
| 329 | Opioids, Dependence, Withdrawal, and Reward | Poster | Y43–Z28 | Hall A | 21 Mon | 8 a.m.–noon |
| 359 | Subcortical Circuitry in Reward, Motivation, and Aversion | Nanosymposium | Room S505 | 21 Mon | 1–3:15 p.m. | |
| 411 | Fear and Aversive Learning and Memory: Circuits I | Poster | V25–V45 | Hall A | 21 Mon | 1–5 p.m. |
| 412 | Fear Conditioning, Extinction, and Aggression | Poster | V46–W10 | Hall A | 21 Mon | 1–5 p.m. |
| 413 | Depression in Patient Subpopulations | Poster | W11–W34 | Hall A | 21 Mon | 1–5 p.m. |
| 414 | Neural Circuits Underlying Alcohol Dependence | Poster | W35–X13 | Hall A | 21 Mon | 1–5 p.m. |
| 415 | Neural and Behavioral Mechanisms of Addiction: Cocaine | Poster | X14–X36 | Hall A | 21 Mon | 1–5 p.m. |
| 416 | Factors Influencing Cocaine Use | Poster | X37–Y1 | Hall A | 21 Mon | 1–5 p.m. |
| 417 | Opioids: Mechanisms Underlying Seeking Behavior | Poster | Y2–Y31 | Hall A | 21 Mon | 1–5 p.m. |
| 435 | The Paraventricular Thalamus (PVT): Salience and Timing Orchestrator for Learning and Deciding | Symposium | Room S100BC | 22 Tue | 8:30–11 a.m. | 2.5 |
| 453 | Effects of Cocaine Use | Nanosymposium | Room S401 | 22 Tue | 8–11 a.m. | |
| 504 | Appetitive and Incentive Learning and Memory II | Poster | V36–W10 | Hall A | 22 Tue | 8 a.m.–noon |
| 505 | Fear and Aversive Learning and Memory: Circuits II | Poster | W11–W24 | Hall A | 22 Tue | 8 a.m.–noon |
| 506 | Mechanisms Underlying Decision-Making, Motivation, and Reinforcement | Poster | W25–239 | Hall A | 22 Tue | 8 a.m.–noon |
| 507 | Stress, Anxiety, and Aversion | Poster | W40–X14 | Hall A | 22 Tue | 8 a.m.–noon |
| 508 | Mood Disorders: Depression and Bipolar Disorders: Clinical Studies | Poster | X15–X35 | Hall A | 22 Tue | 8 a.m.–noon |
| 509 | Depression and Bipolar Disorders: Ketamine in Animal Studies | Poster | X36–Y9 | Hall A | 22 Tue | 8 a.m.–noon |
| 510 | Psychostimulant Actions on Neural Circuits | Poster | Y10–Y26 | Hall A | 22 Tue | 8 a.m.–noon |
| 511 | Drugs of Abuse: Learning and Memory II | Poster | Y27–Z2 | Hall A | 22 Tue | 8 a.m.–noon |
| 592 | Subcortical Circuitry Motivation, Compulsive Behavior, and Psychostimulants | Poster | T8–U5 | Hall A | 22 Tue | 1–5 p.m. |
| 593 | Emotion: Neurocircuitry | Poster | U6–U29 | Hall A | 22 Tue | 1–5 p.m. |
| 594 | Emotion: Fear, Anxiety, and Pain II | Poster | U30– V14 | Hall A | 22 Tue | 1–5 p.m. |
| 595 | Human Studies: Fear and Anxiety | Poster | V15–V33 | Hall A | 22 Tue | 1–5 p.m. |
| 596 | Stress and Anxiety | Poster | V34–W10 | Hall A | 22 Tue | 1–5 p.m. |
| 597 | Cocaine: Behavior, Circuits, and Mechanisms | Poster | W11–W30 | Hall A | 22 Tue | 1–5 p.m. |
| 598 | Neural Mechanisms Underlying Cocaine Use and Abuse | Poster | W31–X15 | Hall A | 22 Tue | 1–5 p.m. |
| 621 | Brain Circuits for the Selection and Scaling of Defensive Behavior | Minisymposium | Room S105 | 23 Wed | 8:30–11 a.m. | 2.5 |
| 684 | Depression: Physiology, Pharmacology, and Treatment | Poster | V13–V35 | Hall A | 23 Wed | 8 a.m.–noon |
| 685 | Mechanisms Underlying Depression and Anxiety | Poster | V36–W11 | Hall A | 23 Wed | 8 a.m.–noon |
| 686 | Psychiatric Disorder: Rodent Models | Poster | W12–W26 | Hall A | 23 Wed | 8 a.m.–noon |
| 687 | Other Psychiatric Disorders | Poster | W27–W39 | Hall A | 23 Wed | 8 a.m.–noon |
| 688 | Mechanisms Underlying Reward Dependence | Poster | W40–X10 | Hall A | 23 Wed | 8 a.m.–noon |
| 689 | Neurobehavioral Effects of Cannabinoids | Poster | X11–X26 | Hall A | 23 Wed | 8 a.m.–noon |

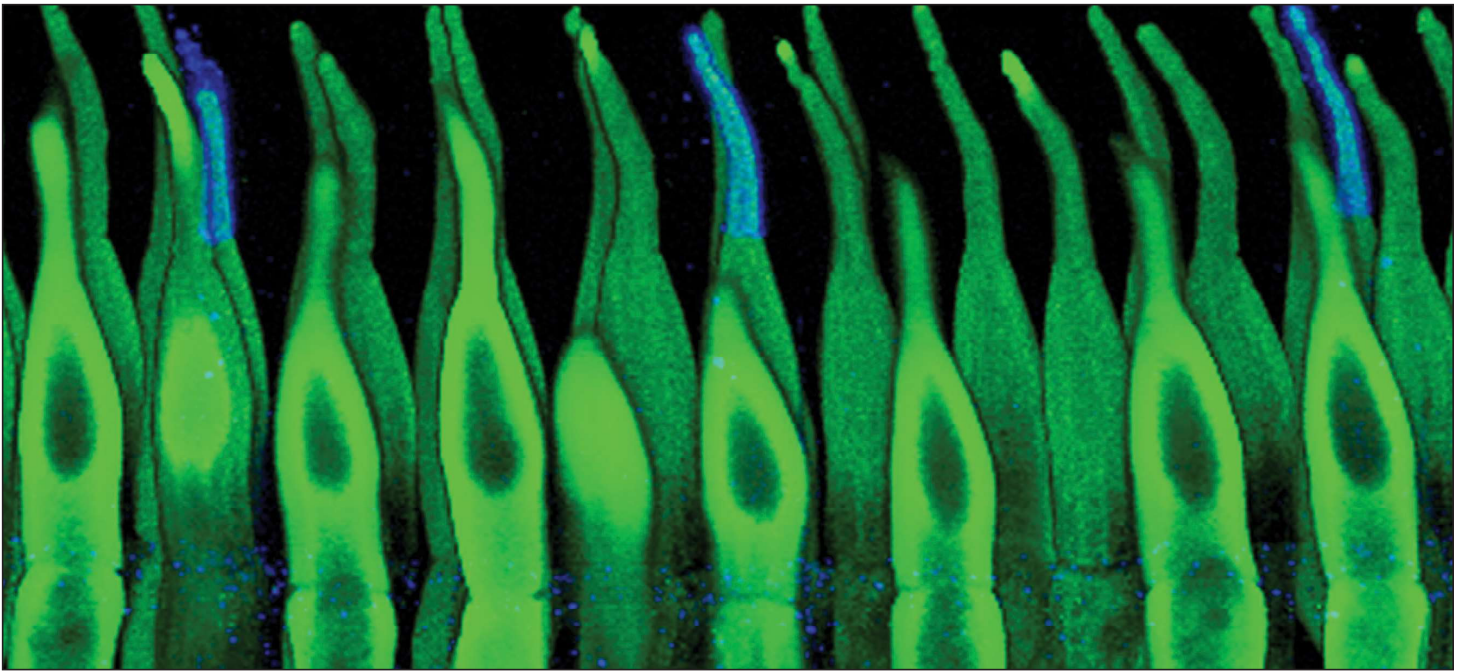
| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|---|---------------|----------------|-------------|--------|----------------|-----------|
| 716 Special Lecture- The Neurobiology of Long-Term Memory: Key Molecules, Diverse Cell Types, Temporal Dynamics, and Critical Periods | Lecture | | Hall B | 23 Wed | 3–4:10 p.m. | 1.25 |
| 772 Fear and Aversive Learning and Memory: Modulatory Factors | Poster | T8–U8 | Hall A | 23 Wed | 1–5 p.m. | |
| 773 Dopamine, Reward, and Reinforcement | Poster | U9–38 | Hall A | 23 Wed | 1–5 p.m. | |
| 774 Social Behavior: Systems and Circuits | Poster | U39–V14 | Hall A | 23 Wed | 1–5 p.m. | |
| 775 Mood Disorders: Circuits and Synapses | Poster | V15–V31 | Hall A | 23 Wed | 1–5 p.m. | |
| 776 Mood Disorders: Molecular Mechanisms and Approaches | Poster | V32–W9 | Hall A | 23 Wed | 1–5 p.m. | |
| 777 Mood Disorders: Depression and Bipolar Disorders: Animal Studies | Poster | W10–W38 | Hall A | 23 Wed | 1–5 p.m. | |
| 778 Depression and Bipolar Disorders: Treatment Strategies in Animal Studies | Poster | W39–X22 | Hall A | 23 Wed | 1–5 p.m. | |
| 779 Post-Traumatic Stress Disorder | Poster | X23–X43 | Hall A | 23 Wed | 1–5 p.m. | |
| 780 Post-Traumatic Stress Disorder: Preclinical Models | Poster | X44–U26 | Hall A | 23 Wed | 1–5 p.m. | |
| 781 Nicotine, Mechanisms of Dependence, and Reward | Poster | Y27–Y42 | Hall A | 23 Wed | 1–5 p.m. | |
| Theme H – Cognition | | | | | | |
| 006 Brain Mechanisms of Concept Learning | Minisymposium | | Room S105 | 19 Sat | 1:30–4 p.m. | 2.5 |
| 019 Social Cognition: Behavior and Neural Mechanisms I | Nanosymposium | | Room S505 | 19 Sat | 1–2:45 p.m. | |
| 081 Network Activity | Poster | X19–X43 | Hall A | 19 Sat | 1–5 p.m. | |
| 082 Memory Consolidation and Reconsolidation: Neural Circuit Mechanisms | Poster | X44–Y13 | Hall A | 19 Sat | 1–5 p.m. | |
| 083 Cortical and Cortico-Hippocampal Circuits: Spatial Navigation I | Poster | Y14–Y24 | Hall A | 19 Sat | 1–5 p.m. | |
| 084 Hippocampal and Cortical Circuits: Memory, Head Direction, and Spatial Codes | Poster | Y25–Z1 | Hall A | 19 Sat | 1–5 p.m. | |
| 085 Learning, Habit, and Compulsion | Poster | Z2–Z20 | Hall A | 19 Sat | 1–5 p.m. | |
| 086 Hippocampus: Dentate Gyrus | Poster | Z21–Z38 | Hall A | 19 Sat | 1–5 p.m. | |
| 087 Schizophrenia: Animal Models and Genetic Studies | Poster | Z39–AA26 | Hall A | 19 Sat | 1–5 p.m. | |
| 094 Opening the Black Box of the Hippocampus: Visualizing Memories in Distinct Cell Types, Microcircuits, and Cellular Compartments | Symposium | | Room S100BC | 20 Sun | 8:30–11 a.m. | 2.5 |
| 101 Special Lecture- The Brain From Inside Out | Lecture | | Hall B | 20 Sun | Noon–1:10 p.m. | 1.25 |
| 110 Representations of Value and Economic Choice Across Different Brain Regions | Nanosymposium | | Room N427 | 20 Sun | 8–9:45 a.m. | |
| 111 Language: Physiology, Plasticity, and Cognition | Nanosymposium | | Room S402 | 20 Sun | 8–10:45 a.m. | |
| 112 Modeling of Schizophrenia Relevant Risk Factors | Nanosymposium | | Room S401 | 20 Sun | 8–9:45 a.m. | |
| 158 Hippocampal Function | Poster | V6–V15 | Hall A | 20 Sun | 8 a.m.–noon | |
| 159 Decision Making: Lateral Prefrontal Cortex | Poster | V16–V32 | Hall A | 20 Sun | 8 a.m.–noon | |
| 160 Memory Consolidation and Reconsolidation: Behavior | Poster | V33–W11 | Hall A | 20 Sun | 8 a.m.–noon | |
| 161 Hippocampus: Intrinsic Hippocampal Circuits | Poster | W12–W28 | Hall A | 20 Sun | 8 a.m.–noon | |
| 162 Hippocampal Dynamics in Learning and Memory | Poster | W29–X11 | Hall A | 20 Sun | 8 a.m.–noon | |
| 163 Learning and Memory: Physiology I | Poster | X12–X21 | Hall A | 20 Sun | 8 a.m.–noon | |
| 164 Cortical Hippocampal Circuits: Time and Memory | Poster | X22–X42 | Hall A | 20 Sun | 8 a.m.–noon | |
| 165 Cortical and Cortico-Hippocampal Circuits: Spatial Navigation II | Poster | X43–Y16 | Hall A | 20 Sun | 8 a.m.–noon | |
| 166 Human Perception and Imagery I | Poster | Y17–Y34 | Hall A | 20 Sun | 8 a.m.–noon | |
| 167 Human Long-Term Memory: Medial Temporal Lobe I | Poster | Y35–YZ12 | Hall A | 20 Sun | 8 a.m.–noon | |
| 168 Human Long-Term Memory: Encoding and Retrieval I | Poster | Z13–Z29 | Hall A | 20 Sun | 8 a.m.–noon | |
| 169 Human Long-Term Memory: Encoding and Retrieval II | Poster | Z30–AA8 | Hall A | 20 Sun | 8 a.m.–noon | |
| 170 Encoding and Retrieval in High-Level Content and Naturalistic Protocols | Poster | AA9–AA21 | Hall A | 20 Sun | 8 a.m.–noon | |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS | |
|---------------------------|---|----------------|-----------|------------|--------|--------------|-----|
| 171 | Human Social Cognition: Behavior, Mechanisms, and Disorders I | Poster | AA22–AA43 | Hall A | 20 Sun | 8 a.m.–noon | |
| 180 | Cognitive Cerebellum: Role in Motivation, Emotion, Executive, Social, and Sensory Processing | Minisymposium | | Room S102 | 20 Sun | 1:30–4 p.m. | 2.5 |
| 195 | Medial Temporal Lobe in Learning and Memory | Nanosymposium | | Room S402 | 20 Sun | 1–3:15 p.m. | |
| 241 | Decision Making: Rodent Medial Prefrontal Cortex | Poster | W3–W23 | Hall A | 20 Sun | 1–5 p.m. | |
| 242 | Learning and Memory: Cortical-Hippocampal Interactions I | Poster | W24–X8 | Hall A | 20 Sun | 1–5 p.m. | |
| 243 | Memory Engrams | Poster | X9–X29 | Hall A | 20 Sun | 1–5 p.m. | |
| 244 | Hippocampus and Cognition | Poster | X30–X42 | Hall A | 20 Sun | 1–5 p.m. | |
| 245 | Time Perception | Poster | X43–Y39 | Hall A | 20 Sun | 1–5 p.m. | |
| 247 | Cognitive Aging Disorders in Humans | Poster | Y40–Z24 | Hall A | 20 Sun | 1–5 p.m. | |
| 248 | Human: Timing and Temporal Processing | Poster | Z25–AA3 | Hall A | 20 Sun | 1–5 p.m. | |
| 249 | Human Social Cognition: Behavior, Mechanisms, and Disorders II | Poster | AA4–AA25 | Hall A | 20 Sun | 1–5 p.m. | |
| 271 | Learning and Memory: Genes and Signaling | Nanosymposium | | Room S104 | 21 Mon | 8–10:30 a.m. | |
| 272 | Basic, Theoretical, and Translational Research on Human Spatial Cognition | Nanosymposium | | Room S405 | 21 Mon | 8–11:30 a.m. | |
| 273 | Learning and Decision-Making | Nanosymposium | | Room S106 | 21 Mon | 8–10:30 a.m. | |
| 274 | Social Cognition: Behavior and Neural Mechanisms II | Nanosymposium | | Room S401 | 21 Mon | 8–10:30 a.m. | |
| 330 | New Methods for Studying Cognition | Poster | Z29–AA2 | Hall A | 21 Mon | 8 a.m.–noon | |
| 331 | Attention | Poster | AA3–AA25 | Hall A | 21 Mon | 8 a.m.–noon | |
| 332 | Decision Making: Medial Prefrontal Cortex | Poster | A26–AA39 | Hall A | 21 Mon | 8 a.m.–noon | |
| 333 | Hippocampus: Spatial Maps, Reward, and Replay | Poster | AA40–BB10 | Hall A | 21 Mon | 8 a.m.–noon | |
| 334 | Genetic and Molecular Mechanisms of Memory Formation | Poster | BB11–BB23 | Hall A | 21 Mon | 8 a.m.–noon | |
| 335 | Learning and Memory: Cortical-Hippocampal Interactions II | Poster | BB24–BB53 | Hall A | 21 Mon | 8 a.m.–noon | |
| 336 | Learning and Memory: Physiology II | Poster | BB54–BB67 | Hall A | 21 Mon | 8 a.m.–noon | |
| 337 | Human Long-Term Memory: Medial Temporal Lobe II | Poster | BB68–CC2 | Hall A | 21 Mon | 8 a.m.–noon | |
| 338 | Neural Correlates of Language Processing | Poster | CC3–CC29 | Hall A | 21 Mon | 8 a.m.–noon | |
| 339 | Language Acquisition and Coding | Poster | CC30–CC57 | Hall A | 21 Mon | 8 a.m.–noon | |
| 348 | Awakening the Engram: The Etiological Role of Engram Cells for Memory Formation, Storage, and Retrieval in Health and Disease | Minisymposium | | Room S406A | 21 Mon | 1:30–4 p.m. | 2.5 |
| 360 | Learning and Memory: Cortical-Hippocampal Interactions | Nanosymposium | | Room N427 | 21 Mon | 1–2:45 p.m. | |
| 361 | Decision Making | Nanosymposium | | Room S404 | 21 Mon | 1–4:15 p.m. | |
| 418 | Attention and Neuromodulation | Poster | Y32–Z6 | Hall A | 21 Mon | 1–5 p.m. | |
| 419 | Mechanisms Underlying Learning and Memory in Invertebrates | Poster | Z7–Z26 | Hall A | 21 Mon | 1–5 p.m. | |
| 420 | Thalamic and Brainstem Circuits | Poster | Z27–Z37 | Hall A | 21 Mon | 1–5 p.m. | |
| 421 | Human Learning: Feedback, Reinforcement, and Reward | Poster | Z38–AA22 | Hall A | 21 Mon | 1–5 p.m. | |
| 422 | Human Long-Term Memory: Medial Temporal Lobe III | Poster | AA23–AA42 | Hall A | 21 Mon | 1–5 p.m. | |
| 423 | Human Long-Term Memory: Modulation | Poster | AA43–BB27 | Hall A | 21 Mon | 1–5 p.m. | |
| 424 | Cognition and Connectivity | Poster | BB28–BB57 | Hall A | 21 Mon | 1–5 p.m. | |
| 425 | Development, Cognition, and Connectivity | Poster | BB58–BB85 | Hall A | 21 Mon | 1–5 p.m. | |
| 426 | Subcortical-Cortical Interactions | Poster | CC1–CC10 | Hall A | 21 Mon | 1–5 p.m. | |
| 427 | Personalized Brain Signatures | Poster | CC11–CC33 | Hall A | 21 Mon | 1–5 p.m. | |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|--|---------------|----------------|-------------|--------|----------------|-----------|
| 428 Animal Models of Risk Factors for Schizophrenia | Poster | CC34–CC48 | Hall A | 21 Mon | 1–5 p.m. | |
| 440 Naturalistic Paradigms in Awake Monkeys: Bridging fMRI and Extra-Cellular Activities | Minisymposium | | Room S406B | 22 Tue | 8:30–11 a.m. | 2.5 |
| 454 Medial Temporal Lobe in Learning and Memory During Development | Nanosymposium | | Room S405 | 22 Tue | 8–10:15 a.m. | |
| 455 Working Memory: Mechanisms I | Nanosymposium | | Room S104 | 22 Tue | 8–10:15 a.m. | |
| 512 Economic Decision-Making | Poster | Z3–Z18 | Hall A | 22 Tue | 8 a.m.–noon | |
| 513 Mechanisms Underlying Memory Formation | Poster | Z19–Z38 | Hall A | 22 Tue | 8 a.m.–noon | |
| 514 Decision Making: Orbitofrontal Cortex | Poster | Z39–AA20 | Hall A | 22 Tue | 8 a.m.–noon | |
| 515 Working Memory: Prefrontal Cortex I | Poster | ZZ21–BB1 | Hall A | 22 Tue | 8 a.m.–noon | |
| 516 Human Perceptual and Spatial Learning | Poster | BB2–BB22 | Hall A | 22 Tue | 8 a.m.–noon | |
| 517 Human Working Memory: Mechanisms I | Poster | BB23–BB43 | Hall A | 22 Tue | 8 a.m.–noon | |
| 518 Human Decision-Making and Reasoning: Cognition and Computations I | Poster | BB44–BB67 | Hall A | 22 Tue | 8 a.m.–noon | |
| 519 Clinical and Biomarker Research in Schizophrenia | Poster | BB68–C2 | Hall A | 22 Tue | 8 a.m.–noon | |
| 526 Special Lecture- Evolution and Dissolution of Memories Over Time | Lecture | | Hall B | 22 Tue | 1:30–2:40 p.m. | 1.25 |
| 545 Molecular Mechanisms of Memory Formation and Reconsolidation | Nanosymposium | | Room N227 | 22 Tue | 1–2:45 p.m. | |
| 546 Working Memory: Mechanisms II | Nanosymposium | | Room S402 | 22 Tue | 1–3:15 p.m. | |
| 599 Decision Making and Action Selection | Poster | X16–X40 | Hall A | 22 Tue | 1–5 p.m. | |
| 600 Working Memory, Aging, and the Hippocampus | Poster | X41–Y18 | Hall A | 22 Tue | 1–5 p.m. | |
| 601 Neural Circuits for Learning and Memory | Poster | Y18–Z2 | Hall A | 22 Tue | 1–5 p.m. | |
| 602 Learning and Memory: Genes and Signaling | Poster | Z3–Z12 | Hall A | 22 Tue | 1–5 p.m. | |
| 603 Memory and Cognition | Poster | Z13–Z38 | Hall A | 22 Tue | 1–5 p.m. | |
| 604 Cortical and Cortico-Hippocampal Circuits: Spatial Navigation III | Poster | Z39–AA24 | Hall A | 22 Tue | 1–5 p.m. | |
| 605 Cortical Oscillations II | Poster | AA25–BB6 | Hall A | 22 Tue | 1–5 p.m. | |
| 606 Decisions: Action and Corticostriatal Circuits | Poster | BB7–BB31 | Hall A | 22 Tue | 1–5 p.m. | |
| 607 Human Long-Term Memory: Encoding and Retrieval III | Poster | BB32–BB51 | Hall A | 22 Tue | 1–5 p.m. | |
| 608 Human Decision-Making and Reasoning: Cognition and Computations II | Poster | BB52–BB73 | Hall A | 22 Tue | 1–5 p.m. | |
| 609 Decision Making II | Poster | BB74–CC2 | Hall A | 22 Tue | 1–5 p.m. | |
| 610 Schizophrenia Models and Drug Development | Poster | CC3–CC32 | Hall A | 22 Tue | 1–5 p.m. | |
| 622 Grid-Like Hexadirectional Modulation of Neural Activity in Humans | Minisymposium | | Room S100BC | 23 Wed | 8:30–11 a.m. | 2.5 |
| 637 The Use of Transcranial Magnetic Stimulation to Modulate Human Memory | Nanosymposium | | Room S402 | 23 Wed | 8–10 a.m. | |
| 690 Working Memory: Prefrontal Cortex II | Poster | X27–X46 | Hall A | 23 Wed | 8 a.m.–noon | |
| 691 Memory Consolidation and Reconsolidation: Molecular Mechanisms | Poster | Y1–Y40 | Hall A | 23 Wed | 8 a.m.–noon | |
| 693 Learning and Memory: Aging | Poster | Y41–Z14 | Hall A | 23 Wed | 8 a.m.–noon | |
| 694 Cortical and Cortico-Hippocampal Circuits: Spatial Navigation IV | Poster | Z15–AA2 | Hall A | 23 Wed | 8 a.m.–noon | |
| 695 Human Perception and Imagery II | Poster | AA3–AA29 | Hall A | 23 Wed | 8 a.m.–noon | |
| 696 Human Motor and Sequence Learning I | Poster | AA29–BB2 | Hall A | 23 Wed | 8 a.m.–noon | |
| 697 Human Motor and Sequence Learning II | Poster | BB3–BB18 | Hall A | 23 Wed | 8 a.m.–noon | |
| 698 Human Long-Term Memory: Encoding and Retrieval IV | Poster | BB19–BB38 | Hall A | 23 Wed | 8 a.m.–noon | |
| 699 Attention and Cognition | Poster | BB39–BB68 | Hall A | 23 Wed | 8 a.m.–noon | |
| 700 Attention Networks | Poster | BB69–CC3 | Hall A | 23 Wed | 8 a.m.–noon | |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|-----------------------------|---|----------------|------------|--------|----------------|-----------|
| 701 | Language Disorders | | Hall A | 23 Wed | 8 a.m.–noon | |
| 709 | Special Lecture- Neural Codes for Natural Behaviors in Flying Bats | | Hall B | 23 Wed | 1:30–2:40 p.m. | 1.25 |
| 723 | Neural and Molecular Mechanisms of Memory | | Room S104 | 23 Wed | 1–4:15 p.m. | |
| 724 | Human Executive Functioning | | Room S401 | 23 Wed | 1:00:00 | |
| 725 | Human Imaging and Connectivity | | Room N427 | 23 Wed | 1–3:30 p.m. | |
| 726 | Personalized Brain Signatures | | Room N426 | 23 Wed | 1:00:00 | |
| 782 | Learning and Memory | Y43–Z20 | Hall A | 23 Wed | 1–5 p.m. | |
| 783 | Inhibitory Control | Z21–Z35 | Hall A | 23 Wed | 1–5 p.m. | |
| 784 | Social Memory and Cognition I | Z36–AA12 | Hall A | 23 Wed | 1–5 p.m. | |
| 785 | Social Memory and Cognition II | AA13–AA38 | Hall A | 23 Wed | 1–5 p.m. | |
| 786 | Learning and Memory: Subcortical-Hippocampal Interactions | AA39–BB5 | Hall A | 23 Wed | 1–5 p.m. | |
| 787 | Hippocampus, Engrams, and Memory | BB6–BB17 | Hall A | 23 Wed | 1–5 p.m. | |
| 788 | Hippocampus: Learning | BB18–BB27 | Hall A | 23 Wed | 1–5 p.m. | |
| 789 | Intrinsic Hippocampal Circuits: Spatial Navigation | BB28–BB52 | Hall A | 23 Wed | 1–5 p.m. | |
| 790 | Human Perception and Imagery III | BB53–BB72 | Hall A | 23 Wed | 1–5 p.m. | |
| 791 | Human Working Memory: Mechanisms II | BB73–CC7 | Hall A | 23 Wed | 1–5 p.m. | |
| 792 | Cognitive Aging II | CC8–CC34 | Hall A | 23 Wed | 1–5 p.m. | |
| 793 | Physiological and Cognitive Factors Associated With Healthy Aging | CC35–CC44 | Hall A | 23 Wed | 1–5 p.m. | |
| Theme I – Techniques | | | | | | |
| 007 | BRAIN Initiative: Cutting-Edge Tools and Resources for the Community | | Room S406A | 19 Sat | 1:30–4 p.m. | 2.5 |
| 020 | High Density Neural Recordings | | Room S103 | 19 Sat | 1–3:30 p.m. | |
| 088 | Molecular and Biochemical Techniques | AA27–BB1 | Hall A | 19 Sat | 1–5 p.m. | |
| 089 | Connectomics Analytics I | BB1–BB18 | Hall A | 19 Sat | 1–5 p.m. | |
| 090 | Physiological Methods | BB19–BB38 | Hall A | 19 Sat | 1–5 p.m. | |
| 091 | Techniques: Cellular Electrophysiology | BB39–BB51 | Hall A | 19 Sat | 1–5 p.m. | |
| 092 | Connectomics Analytics II | BB52–BB81 | Hall A | 19 Sat | 1–5 p.m. | |
| 093 | Special Lecture- Theoretical Neuroscience: Decision Making and Its Discontents | | Hall B | 20 Sun | 9–10:10 a.m. | 1.25 |
| 172 | Genetic and Genome Engineering Techniques | AA44–BB29 | Hall A | 20 Sun | 8 a.m.–noon | |
| 173 | Anatomic Methods: Image Acquisition I | BB30–BB40 | Hall A | 20 Sun | 8 a.m.–noon | |
| 174 | Anatomic Methods: Image Acquisition II | BB41–BB70 | Hall A | 20 Sun | 8 a.m.–noon | |
| 175 | Drug Delivery | BB71–BB83 | Hall A | 20 Sun | 8 a.m.–noon | |
| 181 | Optical Recording of Neural Transmission: From Tool Development to Applications | | Room S105 | 20 Sun | 1:30–4 p.m. | 2.5 |
| 250 | Transcriptomic and Genomic Analyses | AA26–BB3 | Hall A | 20 Sun | 1–5 p.m. | |
| 251 | Anatomic Methods: Circuit Tracing | BB4–BB30 | Hall A | 20 Sun | 1–5 p.m. | |
| 252 | Connectomics Analytics III | BB31–BB58 | Hall A | 20 Sun | 1–5 p.m. | |
| 253 | Optogenetics I | BB59–BB78 | Hall A | 20 Sun | 1–5 p.m. | |
| 254 | Novel Approaches in Neuromodulation I | BB79–CC13 | Hall A | 20 Sun | 1–5 p.m. | |
| 261 | Artificial Intelligence and Neuroscience: From Neural Dynamics to Artificial Agents | | Room S406A | 21 Mon | 8:30–11 a.m. | 2.5 |

| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|---|---------------|----------------|------------|--------|--------------|-----------|
| 275 Single-Cell Analysis of Cortical Cell Type Diversity | Nanosymposium | | Room S404 | 21 Mon | 8–10:15 a.m. | |
| 340 Software Tools: Analysis I | Poster | CC58–CC78 | Hall A | 21 Mon | 8 a.m.–noon | |
| 341 Electrical Methods to Modulate Neural Activity I | Poster | DD1–DD28 | Hall A | 21 Mon | 8 a.m.–noon | |
| 342 Optogenetics II | Poster | DD29–DD50 | Hall A | 21 Mon | 8 a.m.–noon | |
| 362 Data Analysis: Neuronal Networks | Nanosymposium | | Room S402 | 21 Mon | 1–2:30 p.m. | |
| 429 Anatomic Methods: Electron Microscopy | Poster | CC49–CC58 | Hall A | 21 Mon | 1–5 p.m. | |
| 430 Techniques: Microelectrodes I | Poster | CC59–DD5 | Hall A | 21 Mon | 1–5 p.m. | |
| 431 Computational Tools for Neuronal Mapping, Activity, and Networks | Poster | DD6–DD22 | Hall A | 21 Mon | 1–5 p.m. | |
| 432 Software Tools: Analysis II | Poster | DD23–DD45 | Hall A | 21 Mon | 1–5 p.m. | |
| 433 Novel Approaches in Neuromodulation II | Poster | DD46–DD64 | Hall A | 21 Mon | 1–5 p.m. | |
| 436 Brain Somatic Mosaicism: Implications for Development and Disorders | Symposium | | Room S100A | 22 Tue | 8:30–11 a.m. | 2.5 |
| 456 Human Brain Mapping and Imaging in Health and Diseases | Nanosymposium | | Room S402 | 22 Tue | 8–11:30 a.m. | |
| 520 Molecular Structural Imaging | Poster | C3–CC23 | Hall A | 22 Tue | 8 a.m.–noon | |
| 521 Optic Probes | Poster | CC24–CC41 | Hall A | 22 Tue | 8 a.m.–noon | |
| 522 Techniques: Microelectrodes II | Poster | CC42–CC67 | Hall A | 22 Tue | 8 a.m.–noon | |
| 523 Network Theory and Modeling | Poster | CC68–DD16 | Hall A | 22 Tue | 8 a.m.–noon | |
| 524 Computational Tools for Brain and Behavioral Experiments | Poster | DD17–DD33 | Hall A | 22 Tue | 8 a.m.–noon | |
| 525 Software Tools: Imaging | Poster | DD34–DD63 | Hall A | 22 Tue | 8 a.m.–noon | |
| 547 New Technologies for Imaging Neuronal Structure and Activity | Nanosymposium | | Room S106 | 22 Tue | 1–4:15 p.m. | |
| 611 Spatial Transcriptomics Techniques | Poster | CC33–CC46 | Hall A | 22 Tue | 1–5 p.m. | |
| 612 Optic Methods: Development and Applications | Poster | CC47–CC73 | Hall A | 22 Tue | 1–5 p.m. | |
| 613 Physiological Methods: Novel Assays | Poster | CC74–DD12 | Hall A | 22 Tue | 1–5 p.m. | |
| 614 Biomarker and Drug Discovery: Neurodegenerative Diseases | Poster | DD13–DD37 | Hall A | 22 Tue | 1–5 p.m. | |
| 615 Neuronal Models of Activity and Disease | Poster | DD38–DD59 | Hall A | 22 Tue | 1–5 p.m. | |
| 616 Network Modeling and Application | Poster | DD60–DD74 | Hall A | 22 Tue | 1–5 p.m. | |
| 623 Timing is Everything: Temporally Irregular Stimulation Patterns for Brain Mapping and Clinical Therapeutics | Minisymposium | | Room S406A | 23 Wed | 8:30–11 a.m. | 2.5 |
| 638 Genomic Engineering Using Enhancers or CRISPR | Nanosymposium | | Room S404 | 23 Wed | 8–10:30 a.m. | |
| 702 Genomic and Proteomic Techniques | Poster | CC17–CC33 | Hall A | 23 Wed | 8 a.m.–noon | |
| 703 Optical Methods: Applications | Poster | CC34–CC60 | Hall A | 23 Wed | 8 a.m.–noon | |
| 704 Biomarker and Drug Discovery: Neuropsychiatric Diseases | Poster | CC61– | Hall A | 23 Wed | 8 a.m.–noon | |
| 705 Virtual Brain Models | Poster | DD1–DD11 | Hall A | 23 Wed | 8 a.m.–noon | |
| 706 Analytical Computational Models | Poster | DD12–DD34 | Hall A | 23 Wed | 8 a.m.–noon | |



| SESSION # / SESSION TITLE | SESSION TYPE | POSTER BOARD # | LOCATION | DATE | TIME | CME HOURS |
|---|----------------|----------------|------------|--------|----------------|-----------|
| 707 Data Analysis: Neuronal Networks | Poster | DD35–DD58 | Hall A | 23 Wed | 8 a.m.–noon | |
| 708 Special Lecture- Extracting Function From Structure: Lessons from the Fly Connectome | Lecture | | Hall B | 23 Wed | Noon–1:10 p.m. | 1.25 |
| 715 Advanced Circuit and Cellular Imaging Methods in Non-Human Primates | Minisymposium | | Room S105 | 23 Wed | 1:30:00 | 2.5 |
| 727 Advances in Brain Imaging | Nanosymposium | | Room S404 | 23 Wed | 1–3:15 p.m. | |
| 728 Modeling Biological Neural Networks | Nanosymposium | | Room S103 | 23 Wed | 1–3:45 p.m. | |
| 794 Novel Techniques of Biochemical Analysis | Poster | CC45–CC57 | Hall A | 23 Wed | 1–5 p.m. | |
| 795 Anatomic Methods: Sample Preparation and Novel Probes | Poster | CC58–DD4 | Hall A | 23 Wed | 1–5 p.m. | |
| 796 Techniques: Network Electrophysiology | Poster | DD4–DD28 | Hall A | 23 Wed | 1–5 p.m. | |
| 797 Electrical Methods to Modulate Neural Activity II | Poster | DD29–DD55 | Hall A | 23 Wed | 1–5 p.m. | |
| Theme J – History, Education, and Society | | | | | | |
| 021 History of Neuroscience | Theme J Poster | CC14–CC33 | Hall A | 19 Sat | 1–5 p.m. | |
| 022 Exercises and Courses | Theme J Poster | CC34–CC56 | Hall A | 19 Sat | 1–5 p.m. | |
| 023 Outreach and Curricula | Theme J Poster | CC57–CC74 | Hall A | 20 Sun | 8 a.m.–noon | |
| 024 Teaching, Learning, and Assessments | Theme J Poster | CC75–DD17 | Hall A | 20 Sun | 8 a.m.–noon | |
| 025 Higher Education | Theme J Poster | DD18–DD32 | Hall A | 19 Sat | 1–5 p.m. | |
| 026 Outreach Activities | Theme J Poster | DD33–DD59 | Hall A | 20 Sun | 8 a.m.–noon | |
| 027 Neuroscience and Society: Ethical and Policy Issues | Theme J Poster | DD60–DD67 | Hall A | 19 Sat | 1–5 p.m. | |
| 182 The Storytelling Brain: How Neuroscience Stories Help Bridge the Gap Between Research and Society | Storytelling | | Room S406B | 20 Sun | 1:30–4 p.m. | |

| SESSION # / SESSION TITLE | SESSION TYPE | LOCATION | DATE | TIME |
|---|---|-----------------------------------|----------------------------------|-------------------------|
| SfN Pre-Conference Sessions | | | | |
| SPC02 | SHORT COURSE 2: Quantifying Behavior as a Lens Into the Brain | SfN Pre-Conference Session | Room S100BC | 18 Fri 8 a.m.-6 p.m. |
| SPC03 | SHORT COURSE 1: Neural Prosthetics and Brain Machine Interfaces | SfN Pre-Conference Session | Room S100A | 18 Fri 8:30 a.m.-6 p.m. |
| SPC04 | SHORT COURSE 3: Cultivating Professionalism and Excellence in the Research Landscape | SfN Pre-Conference Session | Room S106 | 18 Fri 1-5:30 p.m. |
| SPC05 | Meet-the-Expert, Session 1: Paola Arlotta- Understanding Cortical Development and Disease: My Path to Discovery | SfN Pre-Conference Session | Marriott Marquis - Great Lakes G | 19 Sat 8-9:15 a.m. |
| SPC06 | Meet-the-Clinician-Expert, Session 1: Merit Cudkowicz- Clinical Trialists Path: Building Teams | SfN Pre-Conference Session | Marriott Marquis - Great Lakes A | 19 Sat 8-9:15 a.m. |
| SPC07 | Meet-the-Expert, Session 1: Jerry Silver- Functional Regeneration Beyond the Glial Scar | SfN Pre-Conference Session | Marriott Marquis - Great Lakes E | 19 Sat 8-9:15 a.m. |
| SPC08 | Meet-the-Expert, Session 1: Gaia Tavosanis- Circuit Dynamics: A Fly Perspective | SfN Pre-Conference Session | Marriott Marquis - Great Lakes F | 19 Sat 8-9:15 a.m. |
| SPC09 | Meet-the-Expert, Session 1: Kamran Khodakhah- I Can't Believe They Pay Me to Have Fun: The Privilege of Being a Scientist | SfN Pre-Conference Session | Marriott Marquis - Great Lakes C | 19 Sat 8-9:15 a.m. |
| SPC10 | Meet-the-Expert, Session 1: Kafui Dzirasa- Translating Neuroscience: Obstacles and Opportunities | SfN Pre-Conference Session | Marriott Marquis - Great Lakes B | 19 Sat 8-9:15 a.m. |
| SPC11 | Meet-the-Expert, Session 1: Gregory Quirk- Twenty Years of Fear Research and Mentoring in Puerto Rico | SfN Pre-Conference Session | Marriott Marquis - Shedd | 19 Sat 8-9:15 a.m. |
| SPC12 | Meet-the-Expert, Session 2: Yishi Jin- Understanding Molecules, Synapses, and Neural Plasticity: Awesome Power of Genetics | SfN Pre-Conference Session | Marriott Marquis - Great Lakes F | 19 Sat 9:30-10:45 a.m. |
| SPC13 | Meet-the-Expert, Session 2: Michelle Monje-Deisseroth- Myelin Plasticity: From Cognition to Cancer | SfN Pre-Conference Session | Marriott Marquis - Great Lakes E | 19 Sat 9:30-10:45 a.m. |
| SPC14 | Meet-the-Expert, Session 2: Nicole Rust- Seeing and Remembering What We've Seen | SfN Pre-Conference Session | Marriott Marquis - Great Lakes C | 19 Sat 9:30-10:45 a.m. |
| SPC15 | Meet-the-Clinician-Expert, Session 2: Nico Dosenbach- Disuse Drives Plasticity in Human Brain Networks | SfN Pre-Conference Session | Marriott Marquis - Great Lakes B | 19 Sat 9:30-10:45 a.m. |
| SPC16 | Meet-the-Expert, Session 2: Yoko Yazaki-Sugiyama- Lessons for Songbirds and Scientists: Learning to Communicate More Effectively by Listening to Others | SfN Pre-Conference Session | Marriott Marquis - Great Lakes A | 19 Sat 9:30-10:45 a.m. |
| SPC17 | Meet-the-Expert, Session 2: Viviana Gradinaru- Machine-Learning Assisted Directed Evolution of Viral Vectors and Microbial Opsins for Minimally Invasive Neuroscience | SfN Pre-Conference Session | Marriott Marquis - Great Lakes G | 19 Sat 9:30-10:45 a.m. |
| Professional Development Workshops | | | | |
| PDW01 | Preparing for Your Career Away From the Bench: Essential Skills for Navigating Your Career Transition | Professional Development Workshop | Room N227 | 19 Sat 9-11 a.m. |
| PDW02 | Reproducibility for Everyone | Professional Development Workshop | Room N228 | 19 Sat 9-11 a.m. |
| PDW03 | Imposter Syndrome: Confronting the Career Development Monster Hiding Under the Bed | Professional Development Workshop | Room N228 | 19 Sat Noon-2 p.m. |
| PDW04 | Integrating Research and Teaching at Primarily Undergraduate Institutions | Professional Development Workshop | Room N227 | 19 Sat Noon-2 p.m. |
| PDW05 | Getting Creative with Course-Based Research Experiences to Enhance Scholarship and Generate Publishable Data | Professional Development Workshop | Room N227 | 19 Sat 3-5 p.m. |
| PDW06 | How to Thrive as a Woman in Neuroscience | Professional Development Workshop | Room N228 | 19 Sat 3-5 p.m. |
| PDW07 | Bringing Genetic Diversity to Neuroscientific Research | Professional Development Workshop | Room N228 | 20 Sun 9-11 a.m. |
| PDW08 | Navigating Team Science | Professional Development Workshop | Room N227 | 20 Sun 9-11 a.m. |
| PDW09 | Becoming a Resilient Scientist | Professional Development Workshop | Room N227 | 20 Sun Noon-2 p.m. |
| PDW10 | Science Management | Professional Development Workshop | Room N228 | 20 Sun Noon-2 p.m. |
| PDW11 | Neuroscience Departments and Programs Workshop - Hiring and Promoting Faculty in the Era of Team Science | Professional Development Workshop | Room N227 | 20 Sun 2:30-5 p.m. |

| SESSION # / SESSION TITLE | SESSION TYPE | LOCATION | DATE | TIME |
|--|--|---|------------------------------------|------------------------|
| PDW12 | Building a Neuroscience Career at a Teaching Focused Institution | Professional Development Workshop | Room N228 | 20 Sun 3-5 p.m. |
| PDW13 | Advancing Your Career Through Effective Science Writing for the Public and Creating Eye-Catching Research Statements | Professional Development Workshop | Room N227 | 21 Mon 9-11 a.m. |
| PDW14 | The Art of Building a Career | Professional Development Workshop | Room N228 | 21 Mon 9-11 a.m. |
| PDW15 | Optimize Your Grant Application: News You Can Use From the NIH | Professional Development Workshop | Room N228 | 21 Mon Noon-2 p.m. |
| PDW16 | Teaching Computation in Neuroscience | Professional Development Workshop | Room N227 | 21 Mon Noon-2 p.m. |
| Networking, Public Advocacy, and Outreach | | | | |
| NOA01 | NeuroJobs Career Center | Networking, Public Advocacy, and Outreach | Hall A | 19 Sat 8 a.m.-5 p.m. |
| NOA02 | Graduate School Fair | Networking, Public Advocacy, and Outreach | Hall A | 19 Sat 1-3 p.m. |
| NOA03 | Brain Awareness Campaign Event- Illuminating the Path With Science Outreach | Networking, Public Advocacy, and Outreach | Room N226 | 19 Sat 2:30-4 p.m. |
| NOA04 | Diversity Poster Session | Networking, Public Advocacy, and Outreach | Hall A | 19 Sat 6:30-8:30 p.m. |
| NOA05 | International Fellows Poster Session | Networking, Public Advocacy, and Outreach | Hall A | 19 Sat 6:30-8:30 p.m. |
| NOA06 | Trainee Professional Development Awards Poster Session | Networking, Public Advocacy, and Outreach | Hall A | 19 Sat 6:30-8:30 p.m. |
| NOA07 | Career Development Topics: A Networking Event | Networking, Public Advocacy, and Outreach | Hall A | 19 Sat 7:30-9:30 p.m. |
| NOA08 | NeuroJobs Career Center | Networking, Public Advocacy, and Outreach | Hall A | 20 Sun 8 a.m.-5 p.m. |
| NOA09 | Graduate School Fair | Networking, Public Advocacy, and Outreach | Hall A | 20 Sun Noon-2 p.m. |
| NOA10 | Social Issues Roundtable- Human Fusions: Ethical and Social Issues Raised by Neural-Digital Interfaces | Networking, Public Advocacy, and Outreach | Room N230B | 20 Sun 1-3 p.m. |
| NOA11 | NeuroJobs Career Center | Networking, Public Advocacy, and Outreach | Hall A | 21 Mon 8 a.m.-5 p.m. |
| NOA13 | Graduate School Fair | Networking, Public Advocacy, and Outreach | Hall A | 21 Mon Noon-2 p.m. |
| NOA14 | Animals in Research Panel- Treatments for Disorders of the Basal Ganglia and the Development of Deep Brain Stimulation: Translation of Non-Human Primate Research Into Clinical Therapeutics | Networking, Public Advocacy, and Outreach | Room N230B | 21 Mon 1-3 p.m. |
| NOA15 | Chapters Workshop- Fostering Chapter Engagement Through Your Local Brain Bee | Networking, Public Advocacy, and Outreach | Hyatt McCormick - Jackson Park | 21 Mon 6:45-8:45 p.m. |
| NOA16 | NeuroJobs Career Center | Networking, Public Advocacy, and Outreach | Hall A | 22 Tue 8 a.m.-5 p.m. |
| NOA17 | Celebration of Women in Neuroscience Luncheon | Networking, Public Advocacy, and Outreach | Marriott Marquis - Great Lakes AB | 22 Tue Noon-2 p.m. |
| NOA18 | Graduate School Fair | Networking, Public Advocacy, and Outreach | Hall A | 22 Tue Noon-2 p.m. |
| NOA19 | Public Advocacy Forum- The Role of Pharmaceutical Partnerships When Advocating for Basic Research | Networking, Public Advocacy, and Outreach | Room N230B | 22 Tue 2-3:30 p.m. |
| NOA20 | SfN Members' Business Meeting | Networking, Public Advocacy, and Outreach | Room S501D | 22 Tue 6:45-7:30 p.m. |
| NOA21 | Graduate Student Reception | Networking, Public Advocacy, and Outreach | Hyatt McCormick - Regency Ballroom | 22 Tue 8:30-11:30 p.m. |
| NOA22 | NeuroJobs Career Center | Networking, Public Advocacy, and Outreach | Hall A | 23 Wed 8 a.m.-5 p.m. |

Clinician Scientists & Continuing Medical Education

GENERAL INFORMATION PROGRAM | [WWW.SFN.ORG/CME](http://www.sfn.org/cme)

Continuing Medical Education

The Society for Neuroscience (SfN) annual meeting is a forum for the education of physicians in the field of neuroscience. By attending select lectures, symposia, minisymposia, and roundtables, physicians can receive both a broad overview of the field and detailed information about the most recent advances and research on the topic of the session. The abstract of each plenary session contains a brief description of the material to be presented. By attending these events, physicians can better understand the basic science that underlies clinical practice.

Statement of Need

It is important that physicians comprehend the basic science that underlies clinical medicine. The SfN annual meeting is the premier venue for this educational opportunity. Physicians learn about the most up-to-date, cutting-edge discoveries regarding the nervous system.

Global Learning Objective

Physicians will integrate the most up-to-date information and research about the mechanism, treatment, and diagnosis of conditions related to neurological and psychiatric disorders into their diagnostic and therapeutic modalities of practices in order to determine the best course of action in treating the patient.

Accreditation

SfN is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation by Format

Albert and Ellen Grass Lecture

SfN designates this live activity for a maximum of 1.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Basic-Translational-Clinical Roundtables

SfN designates this live activity for a maximum of 2.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Minisymposia

SfN designates this live activity for a maximum of 2.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Presidential Special Lectures

SfN designates this live activity for a maximum of 1.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Special Lectures

SfN designates this live activity for a maximum of 1.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Symposia

SfN designates this live activity for a maximum of 2.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

A meeting attendee seeking Continuing Medical Education (CME) credit may use a combination of the activities described above to claim a maximum of 35 AMA PRA Category 1 Credits™.

CME Registration

CME registration must be completed before or during the annual meeting. The on-site processing fee of \$140 is charged in addition to the meeting registration fee. Purchase orders will not be accepted as payment. To register for CME, check the appropriate box on the annual meeting registration form and include the CME processing fee.

Those who do not register for CME before the conclusion of the meeting will not be able to request CME credits. CME registration cannot be completed after the annual meeting. Two weeks prior to the start of the meeting, CME registrants will receive the CME Supplemental Program, which contains important information regarding the CME program, including disclosure information and instructions for how to obtain the CME certificate.

CME Credit for Exhibitors

Exhibitors with medical degrees can earn AMA PRA Category 1 Credits™ by registering for the CME program and attending lectures, symposia, minisymposia, and clinical roundtable sessions. Call Convention Data Services at (888) 736-6690 or (508) 743-8563 to add CME to your exhibitor registration.

Claiming Credits

Physicians who registered for CME will be invited to claim their AMA PRA Category 1 Credits™ and print their CME certificates via the online Neuroscience Meeting Planner (NMP) following the conclusion of the educational activities. CME registration is required to be able to access the credit claiming site. Visit www.sfn.org/cme for additional information.



Award for Education in Neuroscience

The Award for Education in Neuroscience recognizes individuals who have made outstanding contributions to neuroscience education and training. The award will be presented prior to the Presidential Special Lecture Monday, October 21, at 5:15 p.m. in McCormick Place, Hall B.

Bernice Grafstein Award for Outstanding Accomplishments in Mentoring

Support contributed by:
Bernice Grafstein, PhD

The Bernice Grafstein Award is given to an individual who has shown dedication and success in mentoring female neuroscientists and facilitating their entry or retention in the field. The award will be presented during the Celebration of Women in Neuroscience Luncheon Tuesday, October 22, at noon in the Marriott Marquis, Great Lakes AB.

Chapter of the Year Award

The Chapter of the Year Award is given to an SfN chapter in recognition of its efforts to engage the local community in innovative activities that advance the mission of the Society for Neuroscience. Awardees are selected by the Global Membership Committee. The award will be presented at the Chapters Workshop and Reception Monday, October 21, at 6:45 p.m. in the Hyatt McCormick Place, Jackson Park.

Donald B. Lindsley Prize in Behavioral Neuroscience

Support contributed by:
The Grass Foundation

The Donald B. Lindsley Prize recognizes a young neuroscientist for his or her outstanding PhD thesis in the general area of behavioral neuroscience. The prize will be presented prior to the Albert and Ellen Grass Lecture Monday, October 21, at 3:15 p.m. in McCormick Place, Hall B.

Jacob P. Waletzky Award

Support contributed by:
The Waletzky Family

The Jacob P. Waletzky Award is given to a young scientist (within 15 years of his/her receiving a PhD or MD degree) who has conducted or plans to conduct independent research leading to significant conceptual and/or empirical contributions to the understanding of drug addiction. The award will be presented prior to the Presidential Special Lecture Saturday, October 19, at 5:15 p.m. in McCormick Place, Hall B.

Janett Rosenberg Trubatch Career Development Award

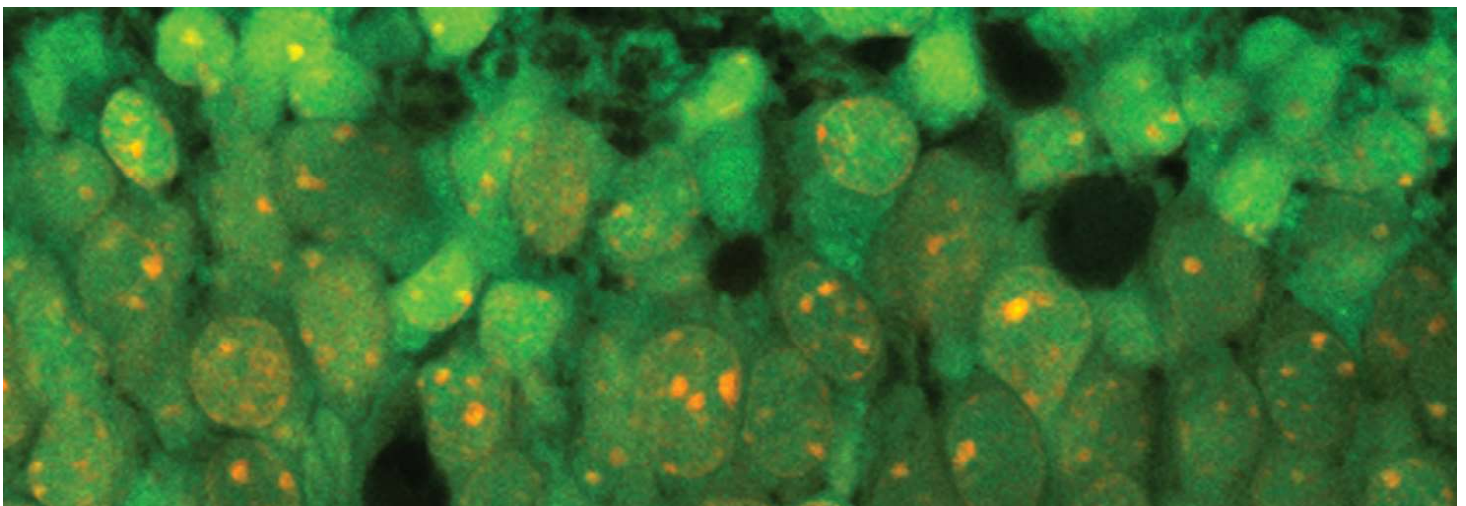
Support contributed by:
The Trubatch Family

The Janett Rosenberg Trubatch Career Development Award recognizes two individuals who have demonstrated originality and creativity in research and is intended to promote success during academic transitions prior to tenure. The awards will be presented during the Celebration of Women in Neuroscience Luncheon Tuesday, October 22, at noon in the Marriott Marquis, Great Lakes AB.

Julius Axelrod Prize

Support contributed by:
Eli Lilly and Company Foundation

The Julius Axelrod Prize honors a scientist with distinguished achievements in neuropharmacology or a related area and exemplary efforts in mentoring young scientists. The award will be presented prior to the Presidential Special Lecture Saturday, October 19, at 5:15 p.m. in McCormick Place, Hall B.



Awards in Neuroscience

GENERAL INFORMATION PROGRAM | WWW.SfN.ORG/AM2019

Mika Salpeter Lifetime Achievement Award

The Mika Salpeter Lifetime Achievement Award recognizes an individual with outstanding career achievements in neuroscience who also has significantly promoted the professional advancement of women in neuroscience. The award will be presented prior to the Presidential Special Lecture Monday, October 21, at 5:15 p.m. in McCormick Place, Hall B and again recognized during the Celebration of Women in Neuroscience Luncheon Tuesday, October 22, at noon in the Marriott Marquis, Great Lakes AB.

Nemko Prize in Cellular or Molecular Neuroscience

*Support contributed by:
The Nemko Family*

The Nemko Prize recognizes a young neuroscientist for his or her outstanding PhD thesis that advances the understanding of molecular, genetic, or cellular mechanisms underlying brain function, including higher function and cognition. The prize will be presented prior to the Albert and Ellen Grass Lecture Monday, October 21, at 3:15 p.m. in McCormick Place, Hall B.

Next Generation Award

The Next Generation Award recognizes SfN chapter members who have made outstanding contributions to public communication, outreach, and education about neuroscience. The award will be presented prior to the Presidential Special Lecture Tuesday, October 22 at 5:15 p.m. in McCormick Place, Hall B.

Peter and Patricia Gruber International Research Award in Neuroscience

*Support contributed by:
The Gruber Foundation*

The Peter and Patricia Gruber International Research Award in Neuroscience recognizes two young neuroscientists for outstanding research and educational pursuit in an international setting. The awards will be presented prior to the Peter and Patricia Gruber Lecture Sunday, October 20, at 3 p.m. in McCormick Place, Hall B.

Ralph W. Gerard Prize in Neuroscience

The Ralph W. Gerard Prize, the highest recognition conferred by the Society, honors an outstanding scientist who has made significant contributions to neuroscience throughout his or her career. This prize is named for Ralph W. Gerard, who was instrumental in founding SfN and served as honorary president from 1970 until his death in 1974. The prize will be presented prior to the Presidential Special Lecture Sunday, October 20, at 5:15 p.m. in McCormick Place, Hall B.

Science Educator Award

*Support contributed by:
The Dana Foundation*

The Science Educator Award honors up to two outstanding neuroscientists who have made significant contributions to educating the public about neuroscience: one who conducts education activities full time, and/or one who devotes his or her time primarily to research while conducting outreach, policy, and education activities. The award will be presented prior to the Presidential Special Lecture Tuesday, October 22, at 5:15 p.m. in McCormick Place, Hall B.

Swartz Prize for Theoretical and Computational Neuroscience

*Support contributed by:
The Swartz Foundation*

The Swartz Prize honors an individual whose activities have produced a significant cumulative contribution to theoretical models or computational methods in neuroscience or who has made a particularly noteworthy recent advance in theoretical or computational neuroscience. The prize will be presented prior to the Presidential Special Lecture Saturday, October 19, at 5:15 p.m. in McCormick Place, Hall B.

Young Investigator Award

Support contributed by: Sunovion

The Young Investigator Award recognizes the outstanding achievements and contributions of a young neuroscientist who has demonstrated scholarly independence and received his or her advanced professional degree in the past 10 years. The award will be presented prior to the Albert and Ellen Grass Lecture Monday, October 21, at 3:15 p.m. in McCormick Place, Hall B.

SfN Professional Development Awards SfN/FENS Travel Awards

SfN and the Federation of European Neuroscience Societies (FENS) sponsor a travel award exchange program allowing recipients to attend their respective meetings bi-annually. In even years, SfN offers travel awards to the FENS Forum, while in odd years, FENS offers travel awards to the SfN annual meeting.

SfN/IBRO International Travel Awards

SfN/IBRO International Travel Awards recognize young investigators from developing countries. The awards are sponsored by SfN and recipients are selected by the International Brain Research Organization (IBRO). This year, 30 awardees from 11 countries will attend Neuroscience 2019.

SfN/JNS Travel Awards

SfN and the Japan Neuroscience Society (JNS) sponsor a travel award exchange program allowing five trainees from Japan to attend the SfN annual meeting and five North American trainees who are members of SfN to attend the JNS meeting in Japan.

Trainee Professional Development Award

The Trainee Professional Development Award (TPDA) recognizes undergraduate and graduate students and postdoctoral fellows demonstrating scientific merit and excellence in research with the chance to present an abstract in a poster session, meet peers and network with senior scientists, and participate in learning opportunities at the annual meeting.