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Meetings and Events

ME01. Meeting Mobile App Tutorial

Location: N229

Time: Saturday, October 17, 2015, 10:00 AM - 11:00 AM

To ensure that attendees are able to take advantage of all of the newest features for the meeting mobile app, a free user tutorial led by the app's developers will be held, open for all meeting attendees.

Contact: program@sfn.org

Panelists: *SOCIETY FOR NEUROSCIENCE;

Meetings and Events

ME02. Graduate School Fair

Location: Hall A

Time: Saturday, October 17, 2015, 1:00 PM - 3:00 PM

Meet face-to-face with student advisors, program faculty, and graduate school representatives at the annual Graduate School Fair.

Contact: ndp@sfn.org

Panelists: COMMITTEE ON NEUROSCIENCE DEPARTMENTS AND PROGRAMS;
Society for Neurosci., Washington, DC

Meetings and Events

ME03. Meeting Mobile App Tutorial

Location: N229

Time: Saturday, October 17, 2015, 2:00 PM - 3:00 PM
To ensure that attendees are able to take advantage of all of the newest features for the meeting mobile app, a free user tutorial led by the app's developers will be held, open for all meeting attendees.

The meeting mobile app will be available in the Google Play™ App Store and on iTunes™ in mid-September.

Contact: program@sfn.org

Panelists: *SOCIETY FOR NEUROSCIENCE;

Meetings and Events

ME06. Diversity Fellows Poster Session

Location: Hall A

Time: Saturday, October 17, 2015, 6:30 PM - 8:30 PM

Join a special poster session and networking event featuring participants in the Neuroscience Scholars Program and other diversity fellowship programs.

Contact: nsp@sfn.org

Panelists: *SOCIETY FOR NEUROSCIENCE;

Meetings and Events

ME07. International Fellows Poster Session

Location: Hall A

Time: Saturday, October 17, 2015, 6:30 PM - 8:30 PM

Meet the next generation of leading young investigators from across the globe, including award winners selected by the International Brain Research Organization and the Japan Neuroscience Society.

Contact: globalaffairs@sfn.org

Panelists: *SOCIETY FOR NEUROSCIENCE;
Meetings and Events

ME08. Trainee Professional Development Award Poster Session

Location: Hall A

Time: Saturday, October 17, 2015, 6:30 PM - 8:30 PM

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

Contact: awards@sfn.org

Panelists: *SOCIETY FOR NEUROSCIENCE;

Meetings and Events

ME09. CHAPTERS WORKSHOP: Expanding Chapter Horizons: Connecting Local and International Communities

Location: N427

Time: Sunday, October 18, 2015, 11:30 AM - 1:00 PM

Join your fellow chapter leaders for this great opportunity to hear what other chapters are doing across the globe. The 2015 workshop will focus on helping chapters grow through communication and connections with members outside of their local communities.

Contact: chapters@sfn.org

Panelists: T. T. REED;
Eastern Kentucky Univ., Richmond, KY

Meetings and Events

ME10. Graduate School Fair

Location: Hall A

Time: Sunday, October 18, 2015, 12:00 PM - 2:00 PM

Meet face-to-face with student advisors, program faculty, and graduate school representatives at the annual Graduate School Fair.
Meetings and Events

ME12. Graduate School Fair

Location: Hall A

Time: Monday, October 19, 2015, 12:00 PM - 2:00 PM

Meet face-to-face with student advisors, program faculty, and graduate school representatives at the annual Graduate School Fair.

Contact: ndp@sfn.org

Panelists: COMMITTEE ON NEUROSCIENCE DEPARTMENTS AND PROGRAMS; Society for Neurosci., Washington, DC

ME13. ANIMALS IN RESEARCH PANEL: Proactive Strategies to Increase the Positive Public Perception of Animals in Research

Location: N427

Time: Tuesday, October 20, 2015, 12:00 PM - 2:00 PM

Panelists: Jason Goldman, PhD; Michael Mustari, PhD; Dario Padovan, PhD; Rolf Zeller, PhD

As scientists become increasingly visible and engaged with the public through blogs, citizen science, traditional media, and other outlets, there is also increasing interest in open communication to gain public support for animal research and to underscore its critical contribution to scientific and medical progress. This panel will answer questions like: How can scientists and organizations engage the public and speak effectively about animal research? What strategies and venues (both novel and time-tested) are being employed to engage different audiences and how can interested scientists learn and contribute? What challenges exist in this area and how are different groups addressing them?
Contact: advocacy@sfn.org

Panelists: *M. E. GOLDBERG;
Neuroscience/Mahoney Ctr., Columbia Univ., NEW YORK, NY

Meetings and Events

ME14. Celebration of Women in Neuroscience Luncheon

Location: Hyatt Regency Chicago Downtown (not connected to McCormick Place): Crystal AB

Time: Tuesday, October 20, 2015, 12:00 PM - 2:00 PM

The annual luncheon honors women leaders in neuroscience. Maria Neimark Geffen, PhD, will deliver a keynote address followed by a roundtable group discussion on a topic related to women in neuroscience. Space is limited. Registration is required. For more information, visit SfN.org/cwinrsvp

Contact: cwin@sfn.org

Panelists: *SOCIETY FOR NEUROSCIENCE;

Meetings and Events

ME15. Graduate School Fair

Location: Hall A

Time: Tuesday, October 20, 2015, 12:00 PM - 2:00 PM

Meet face-to-face with student advisors, program faculty, and graduate school representatives at the annual Graduate School Fair.

Contact: ndp@sfn.org

Panelists: COMMITTEE ON NEUROSCIENCE DEPARTMENTS AND PROGRAMS;
Society for Neurosci., Washington, DC

Meetings and Events
ME16. PUBLIC ADVOCACY FORUM: Sports Related Brain Injuries and Their Ethical, Social, and Neuroscience Considerations

**Location:** N229

**Time:** Tuesday, October 20, 2015, 3:00 PM - 5:00 PM

**Panelists:** Chris Borland; Cindy Parlow Cone; Dan Gould, PhD; Anne McKee, MD

Repeated concussions and other sports-related brain injuries have been thrust into the center of public attention recently. This forum will look at several aspects of this issue and ask how, or even if, society can reconcile its insatiable appetite for these kinds of activities with the duty owed to those who risk being harmed by them.

**Contact:** advocacy@sfn.org

**Panelists:** A. YOUNG; Massachusetts Gen. Hosp., Boston, MA

 Meetings and Events

ME17. SfN Members' Business Meeting

**Location:** N427

**Time:** Tuesday, October 20, 2015, 6:45 PM - 7:30 PM

Participate in a key forum to share your thoughts and suggestions with the society's leadership while learning about your professional society's latest accomplishments. At the Members’ Business Meeting, engage with SfN leadership, share suggestions and raise concerns about how to improve your professional society. Also, learn how to get involved in SfN committees while enjoying camaraderie with other SfN members and light refreshments.

**Contact:** info@sfn.org

**Panelists:** *SOCIETY FOR NEUROSCIENCE;

 Meetings and Events

ME18. Graduate Student Reception

**Location:** Hyatt Regency Chicago Downtown (not connected to McCormick Place): Regency BCD
**Time:** Tuesday, October 20, 2015, 9:00 PM - 11:59 PM

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

**Contact:** meetings@sfn.org

**Panelists:** *SOCIETY FOR NEUROSCIENCE;

**Professional Development Workshops**

**PDW01. NEUROBIOLOGY OF DISEASE WORKSHOP: Human Brain Malformations: From Genetics to Therapeutics**

**Location:** S100B

**Time:** Friday, October 16, 2015, 8:00 AM - 5:00 PM

**Neurobiology of Disease Workshop fees...$35**
(Includes breakfast, lunch, and reception)

Brain malformations, especially those affecting the cerebral cortex, are common causes of intellectual disability and epilepsy. Recent advances in genetics, imaging, and cell biology have substantially increased our knowledge of the mechanisms underlying cortical development and how it can go awry. In this workshop, leading experts will review some of the genes, cellular pathways, processes, and structures commonly affected in brain malformations including PI3K/mTOR signaling, tubulin, reelin, and cilia.

Note: Preregistration is required for the Neurobiology of Disease Workshop. Visit SfN.org to register.

**Contact:** training@sfn.org

**Panelists:** *P. B. Crino;
Univ. of Pennsylvania, Philadelphia, PA.

*M. Sahin;
Dept Neurol, Boston Children's Hospital, Harvard Med. Sch., Boston, MA.

**Professional Development Workshops**
PDW02. SHORT COURSE #1: Using iPS Cells and Reprogramming to Model Neural Development and Disease

Location: S401

Time: Friday, October 16, 2015, 8:00 AM - 6:00 PM

Workshop Fees
Short Courses 1 and 2
(Includes electronic syllabus and lunch)

Student member..........$150
Student nonmember........$225
Postdoctoral member......$225
Faculty member..........$295
Faculty nonmember........$445

Stem cell and reprogramming technologies offer exciting opportunities to access human brain cell types and even tissues for studies of development and disease. As methods and techniques for both stem cell differentiation and transcription factor induced reprogramming evolve, the robustness, reproducibility, and utility of these methods continues to improve. In this short course, leaders in developing and implementing these approaches will discuss their work with a view to help attendees utilize these approaches in their own research. Specifically, we will cover the generation of neural cell types from pluripotent stem cells and, by direct reprogramming/trans-differentiation, new methods for three dimensional culture, genome editing and use of these approaches in the design of disease-relevant assay systems.

Note: Preregistration is required for all Short Courses. Visit SfN.org to register.

Contact: training@sfn.org

Panelists: K. Eggan;
Harvard Univ., Cambridge, MA.

Professional Development Workshops

PDW03. SHORT COURSE #2: The Impact of Human Genetics and Genomics in Neurobiology: From Disease Discovery to Fundamental Mechanisms (and Back)

Location: S406A

Time: Friday, October 16, 2015, 8:30 AM - 6:00 PM
Workshop Fees
Short Courses 1 and 2
(Includes electronic syllabus and lunch)
Student member............$150
Student nonmember........$225
Postdoctoral member.....$225
Faculty member............$295
Faculty nonmember........$445

The accessibility of whole exome and whole genome sequencing for a variety of clinical indications is a significant scientific achievement. These technologies have already produced thousands of exomes and partial genomes from humans and model organisms, showing the amount and types of genetic variation that exists between individuals and within populations. The sheer number of individuals sequenced has begun to offer the statistical power needed to understand the genetic architecture of both rare and complex disorders. The use of these technologies around the globe has changed the types of questions being asked and the method by which these questions are being pursued. However, significant conceptual and technical challenges remain. This short course will explore how current genomic tools and platforms are used for rare and common disorders, describe what analytic tools and approaches might be most appropriate for specific questions, and consider how genomic, phenotypic, and functional evidence can accelerate both fundamental discovery and application.

Note: Preregistration is required for all Short Courses. Visit SfN.org to register.

Contact: training@sfn.org

Panelists: N. Katsanis;
Duke Univ. Med. Ctr., Durham, NC.

*M. Dierssen;
CRG - Ctr. For Genomic Regulation, Barcelona, Spain.

*M. Giordano;
Univ. Nacional Autónoma De México, Querétaro, Qro., Mexico.

*C. J. McBain;
Lab. Cell/Molec Neurosci, NIH, Bethesda, MD.

C. Mobbs;
Mount Sinai Sch. of Med., New York City, NY.

*J. Ngai;
Univ. of California-Berkeley, Berkeley, CA.
Professional Development Workshops

PDW05. Meet-the-Expert: Session 1

Location: Hyatt Regency Chicago Downtown (not connected to McCormick Place): Various Rooms

Time: Saturday, October 17, 2015, 8:00 AM - 9:15 AM

Experts will describe their research techniques and accomplishments in a personal context that offers participants a behind-the-scenes look at factors influencing each expert’s work. The session will offer an opportunity for students and postdoctoral researchers to engage the expert in an informal dialogue over breakfast. No registration is required, but seating is limited.

Contact: training@sfn.org

Ravi Allada, MD
A Journey Around the Clock and Beyond: From Bedside to Bench and Back
Location: Hyatt Regency Chicago Downtown (not connected to McCormick Place): Buckingham

Even though humans spend one-third of our lives asleep, researchers still do not understand why. In this lecture, Ravi Allada will discuss the discovery of the core mechanisms of the circadian clock governing 24-hour rhythms of sleep and wake in the simple fruit fly. This presentation will also cover how these discoveries directly led to the conserved clock components that govern sleep in humans and how simple model organisms like the fly can be used to solve the mystery of why humans sleep.
Matteo Carandini, PhD
*From One Neuron to Many: Recording From Populations in Visual Cortex and Beyond*

**Location:** Hyatt Regency Chicago Downtown (not connected to McCormick Place): Soldier Field

These are exciting times: Thanks to powerful new techniques, researchers have a chance to understand how populations of neurons work in concert to produce behavior. Some of these techniques are optical: not only two-photon microscopy, but also widefield imaging of calcium and voltage indicators, expressed in selected neuronal populations. Other techniques are electrical: multielectrode arrays and next-generation probes with 1,000 sites. In the laboratory, Matteo Carandini and Kenneth Harris combine these techniques to record from hundreds of neurons while mice make perceptual decisions and navigate in virtual reality. It is a journey across experimental techniques, intellectual traditions, and scientific questions, and Carandini hopes it will lead scientists to understand how the cortex guides vision, decision, and navigation.

John Cryan, PhD
*The Microbiome: A Key Regulator of Brain and Behavior*

**Location:** Hyatt Regency Chicago Downtown (not connected to McCormick Place): Gold Coast

Over the past five years substantial advances have been made in linking alterations in microbiota to brain development and even behavior, and the concept of a microbiota-gut-brain axis has emerged. In this session, John Cryan will discuss the importance of the microbiome at key neurodevelopmental windows and in old age in maintaining brain function. The different approaches that are being used to advance the field and the emerging knowledge gaps will be outlined. A focus will be placed on ways to harness the information emerging from animal studies for therapeutic benefit in stress-related, metabolic, and neurodevelopmental disorders.

Z. Josh Huang, PhD
*Genetic Dissection of Neocortical Circuits in the Mouse*

**Location:** Hyatt Regency Chicago Downtown (not connected to McCormick Place): Columbian

The computational power of the neocortex emerges from a basic neural architectural plan rooted in the genome. Whereas glutamatergic projection neurons constitute inter-areal processing streams and cortical output channels, diverse GABAergic interneurons regulate the spatiotemporal configuration of neural ensembles. Systematic genetic cell targeting and fate mapping provide entry points for integrating multiple approaches toward understanding the assembly and organization of cortical circuits. Josh Huang will discuss the progress and prospect of genetic targeting of cortical glutamatergic and GABAergic neurons in the mouse, focusing on the construction and function of a chandelier cell to pyramidal cell module.

William Martin, PhD
*The Garden of Forking Paths: Your PhD as a Gateway into Discovery, Analytics, and Entrepreneurship*
Location: Hyatt Regency Chicago Downtown (not connected to McCormick Place): Water Tower

Jorge Luis Borges introduced us to fictional characters who, when faced with more than one possible outcome, live both outcomes. Today, a shrinking pool of academic positions and federal funding constraints present challenges to scientists. Yet people are experiencing the transformative potential of biology and there has never been a better time to earn a PhD in the field! Following the theme of multiple narratives, Bill Martin will offer perspectives and practical advice on how to prepare for and navigate change. With challenges come opportunities. Constraints help shape creativity and drive innovation. What are you working on today that will transform the landscape of tomorrow?

Panelists: R. Allada;
Northwestern University, Evanston, IL.

M. Carandini;
University College London, London, UNITED KINGDOM.

J. Cryan;
University College Cork, Cork, IRELAND.

Z. Huang;
Dept Neurosci, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.

W. J. Martin;
Blackthorn Therapeutics, Inc., San Francisco, CA.

Professional Development Workshops

PDW06. Careers Beyond the Bench

Location: S106

Time: Saturday, October 17, 2015, 9:00 AM - 11:00 AM

The Careers Beyond the Bench workshop will highlight career paths outside of academia. This year’s workshop include presentations from: 1) An NIH Broadening Experiences in Scientific Training (BEST) award recipient on how to effectively build a training program to prepare trainees for careers beyond academia, 2) A clinical research scientist discussing strategies and skill sets needed for pursuing a clinical career, 3) A fellow of the American Association for the Advancement of Science talking about guiding a career outside of academia, 4) And a scientist who moved from a PhD in Neuroscience to Global Security Science.
Contact: mpd@sfn.org

Panelists: E. J. Van Bockstaele;

M. D. Benton;
Neurobiology & Physiology, Northwestern University, Evanston, IL.

A. J. Castiglioni;
Anesthesiology, Northwestern University, Chicago, IL.

D. Jean;
American Association for the Advancement of Science, Washington, DC.

V. Prince;
University of Chicago, Chicago, IL.

Professional Development Workshops

PDW07. Success in Academia: What’s Your Strategy to Thrive?

Location: S104

Time: Saturday, October 17, 2015, 9:00 AM - 11:00 AM

Science in academia is an exciting and engaging career — no two days are the same. But how do you develop short-term and long-term plans to really succeed and make the most out of opportunities? You need to have a strategy to thrive in this environment. These leaders in neuroscience will discuss their approaches to success and offer suggestions across stages of career development. Are you wondering what grants you should be writing? How much or how little time you should spend on service and committee work? The top 10 reasons you are not getting tenure? What are the myths and legends of getting that job offer? Questions can be electronically submitted during the session and answered by the panelists in real time!

Contact: mpd@sfn.org

Panelists: T. L. Bale;
Dept Animal Biol, Univ. of Pennsylvania, Philadelphia, PA.

H. Akil;
University of Michigan, Ann Arbor, MI.
Professional Development Workshops

PDW08. Meet-the-Expert: Session 2

Location: Hyatt Regency Chicago Downtown (not connected to McCormick Place): Various Rooms

Time: Saturday, October 17, 2015, 9:30 AM - 10:45 AM

Experts will describe their research techniques and accomplishments in a personal context that offers participants a behind-the-scenes look at factors influencing each expert’s work. The session will offer an opportunity for students and postdoctoral researchers to engage the expert in an informal dialogue over breakfast. No registration is required, but seating is limited.

Contact: training@sfn.org

Erich Jarvis, PhD

*Jumping the Evolutionary Divide: How Breaking Down Human Egos and Developing New Technologies Leads to Better Understanding of Complex Brain Traits, Including Convergent Evolution of Spoken Language*

**Location:** Hyatt Regency Chicago Downtown (not connected to McCormick Place): Comiskey

Over the past 20 years Erich Jarvis has observed how false beliefs of human superiority or racial superiority among humans has negatively influenced or hindered researchers’ understanding of brain mechanisms and the evolution of complex behavioral traits. For more than a century, such thinking has influenced the questions posed, hypotheses generated, the interpretation of results, and the species scientists choose to study. As new technologies and discoveries have emerged, a counterculture has evolved that views brain evolution and function in a more balanced manner, with different species displaying a variety of simple to more complex behaviors and associated brain circuits. One prominent example is evolution of vocal learning for song and spoken language in some birds and humans. Using these lessons learned, Jarvis will propose a way forward, with checks and balances, on the use and development of new technologies for today’s scientists to foster more rapid advancement of the understanding of brain function.
Frances B. Jensen, MD
*Translational Studies in Epilepsy and Epileptogenesis: Evaluating Synaptic Function In Vitro and In Vivo*

**Location:** Hyatt Regency Chicago Downtown (not connected to McCormick Place): Gold Coast

Epilepsy is increasingly being recognized as a spectrum disorder, including both seizures and non-seizure (non-ictal) dysregulation of cognition and behavior. In addition, epilepsy syndromes can be age-specific, with mechanisms highly dependent upon the developmental status of particular neuronal populations and circuits. Mechanistic and translational studies examining epileptogenesis and its cognitive and behavioral components must be designed to account for developmental stage, seizure phenotype, and assessment of network and synaptic function. This event will explore available animal models of epilepsy, their human analogs, and the use of *in vitro* and *in vivo* techniques to explore signaling, synaptic, and circuit properties of epileptogenesis. Available data and methodology related to the effects of epilepsy on cognitive function will also be discussed.

Guo-Li Ming, MD, PhD
*Disease in a Dish: The Future of iPSCs*

**Location:** Hyatt Regency Chicago Downtown (not connected to McCormick Place): Columbian

The ability to generate induced pluripotent stem cells (iPSCs) from patients has revolutionized the way scientists study diseases. In this session, Guo-Li Ming will discuss the concept of reprogramming and how this technology allows researchers to study the development of brain, understand the pathogenic cellular events that might contribute to diseases in the nervous system, and explore the molecular mechanisms underlying development and diseases. Finally, Ming will discuss the potential of applying this system to the development of therapeutic strategies based on a better understanding of the disease mechanisms.

Cheryl Stucky, PhD
*Adventures in Pain Biology at Many Levels and Locations*

**Location:** Hyatt Regency Chicago Downtown (not connected to McCormick Place): Soldier Field

Have you wondered what it’s like doing science abroad? What are the advantages and disadvantages? Have you asked how you will carve out a niche for your research that is unique among many other excellent scientists? Cheryl Stucky balances state-of-the art techniques with scientific questions. Her partner is also a scientist — how will they find jobs together? How will you and your partner manage dual careers while having a family? Stucky will share her experiences and perspectives with these questions as she has navigated a 20-year path in pain and somatosensory neurobiology research. She will share her perspectives on rolling with the current changes in scientific focus, acquiring novel techniques, and finding funding by being creative, maintaining integrity, and having fun!
Catherine Woolley, PhD

*Sex Differences in the Brain: What Are They, What Aren't They, and When Do They Matter?*

**Location:** Hyatt Regency Chicago Downtown (not connected to McCormick Place): Buckingham

Catherine Woolley has studied gonadal steroid modulation of synaptic structure and function for 25 years. For most of that time, her work focused on the hippocampus of females and she intentionally avoided the issue of sex differences. But when her team’s experiments began to yield unexpected results that conflicted with the published literature, she suspected that they might have stumbled onto previously unknown sex differences. Her team then compared males and females directly, which led them to discover mechanisms of synaptic modulation in the hippocampus that differ between the sexes. These differences are particularly relevant to the development of drug therapies that work appropriately in each sex. Like this accidental discovery of sex differences, little about Woolley’s career has gone according to a plan. She will share some stories to illustrate the unpredictable nature of career in science.

**Panelists:**
- G. Ming; Dept Neurol & Neurosci, Johns Hopkins University, Baltimore, MD.
- E. D. Jarvis; Duke University Medical Center, Durham, NC.
- F. E. Jensen; Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA.
- C. L. Stucky; Cell Biology, Neurobiology & Anatomy, Medical College of Wisconsin, Milwaukee, WI.
- J. S. Diamond; National Institute of Neurological Disease and Stroke, NIH, Bethesda, MD.
- C. S. Woolley; Dept Neurobiol, Northwestern University, Evanston, IL.

**Professional Development Workshops**

**PDW09. Getting the Most Out of SfN: The Annual Meeting and Beyond**

**Location:** S101

**Time:** Saturday, October 17, 2015, 1:00 PM - 2:00 PM
Students, postdocs, and others new to the annual meeting are invited to attend this session where experienced participants will share tips on how to get the most out of the annual meeting experience, both during and after Neuroscience 2015. Whether you are looking for networking strategies or simply ways to make your experience productive and enjoyable, this session will be beneficial. Representatives from the SfN Program Committee, SfN Committee on Neuroscience Departments and Programs, SfN Trainee Advisory Committee, and the Faculty for Undergraduate Neuroscience will provide strategies for navigating the annual meeting, discuss professional development tools available during and after the meeting, suggest ways to find and use a mentor, and answer questions from session participants.

**Contact:** mpd@sfn.org

**Panelists:**
A. Stavnezer;  
Col. of Wooster, Wooster, OH.

H. Yeh;  
Physiol. and Neurobio., Geisel Sch. of Med. at Dartmouth, Lebanon, NH.

C. M. Altimus;  
Neuroscience, Johns Hopkins School of Medicine, Baltimore, MD.

W. A. Carlezon;  
Dept Psychiat, Harvard Medical School, McLean Hospital, Belmont, MA.

D. R. Riddle;  
Dept. Biomedical Sciences, Homer Stryker Medical School, Western Michigan University, Kalamazoo, MI.

E. J. Van Bockstaele;  
Office of the Dean, Dept. of Neurosci., Philadelphia, PA.

**Professional Development Workshops**


**Location:** S106

**Time:** Saturday, October 17, 2015, 1:30 PM - 5:00 PM

All scientists agree that funding is an essential element of research, but not everyone appreciates that funding mechanisms can vary as much as types of research. Which mechanisms are best suited to basic neuroscience, applied research, translational science/medicine, education and
career, and large-scale multidisciplinary research? Not all agencies fund all types of research and/or training. What about your research may have commercial value and when is this potential value great enough to form the basis of a company? When should you approach NIH versus NSF, or a private foundation versus a venture capital group? This workshop will address these and other questions including different funding mechanisms that contribute to successful and unsuccessful applications. Brief talks will be followed by an extensive question-and-answer session and an open fair where experts from the different types of funding organizations will be available to address your specific cases. Come hear the latest word from expert professionals from NIH, NSF, a private foundation, and a venture capital company!

Contact: mpd@sfn.org

Panelists: K. I. Maynard;
Takeda Pharmaceuticals, Mundelein, IL.

J. Deshler;
National Science Foundation, Arlington, VA.

W. J. Martin;
Blackthorn Therapeutics, Inc., San Francisco, CA.

H. Parthasarathy;
Thiel Foundation, San Francisco, CA.

N. Desmond;
Division of Neuroscience and Basic Behavioral Science, National Institute of Mental Health, Rockville, MD.

G. Snyder;

Professional Development Workshops

PDW11. How to Renovate Your Relationship With Your Advisor or Advisee

Location: S101

Time: Saturday, October 17, 2015, 3:00 PM - 5:00 PM

The advisor-advisee relationship is arguably the most important in academia. Under the guidance of their PIs, graduate students and postdocs grow into strong, successful professionals. In exchange, these advisees perform the research that builds their PI’s reputation and scientific
body of work. Despite the importance of the advisor-advisee relationship, relatively little instruction is given to either party on how to build a great relationship. This interactive workshop will provide that instruction.

**Contact:** training@sfn.org

**Panelists:**
* M. Levine; Univ. of California-Los Angeles, Los Angeles, CA.
* I. A. Paul; Psychiatry & Human Behavior, Univ. of Mississippi Med. Ctr., Jackson, MS.
* J. L. Raymond; Dept Neurobio., Stanford Univ. Sch. of Med., Stanford, CA.
* S. Sutton; Samantha Sutton Life Solutions, New York, NY.

**Professional Development Workshops**

**PDW12. Career Development Topics: A Networking Event**

**Location:** Hall A

**Time:** Saturday, October 17, 2015, 7:30 PM - 9:30 PM

Experienced neuroscientists will offer advice on a wide range of topics in an informal, roundtable format. Topics include work-life balance, securing grants, career transitions, careers away from the bench, choosing graduate schools and postdoctoral fellow positions, and many others. Participants from diverse backgrounds, fields, and work sectors are encouraged to attend.

**Contact:** mpd@sfn.org

**Panelists:** *.. SOCIETY FOR NEUROSCIENCE; Residential Col., What What Univ., Ann Arbor, MI.

**Professional Development Workshops**


**Location:** S101
**Time:** Sunday, October 18, 2015, 9:00 AM - 11:00 AM

Journals exist to disseminate new research findings and the latest thinking to scholarly and professional communities worldwide. This workshop will present a rare opportunity to gain insights into journal publishing from the editors and publishers of Elsevier journals such as *Neuroscience & Biobehavioral Reviews, Neuropsychologia,* and *NeuroImage.* Topics will include how to write and review a paper, new publishing initiatives, and publishing ethics.

**Contact:** mpd@sfn.org

**Panelists:** T. Charkin;
Elsevier, Burlington, MA.

   T. Abel;
Department of Biology, University of Pennsylvania, Philadelphia, PA.

   J. Balthazart;
University of Liege, B-4000 Liege 1, Belgium.

   V. J. Brown;
University of St. Andrews, St Andrews, UNITED KINGDOM.

   R. Hildrew;
Elsevier, Burlington, MA.

   C. Lustig;
Department of Psychology, University of Michigan, Ann Arbor, MI.

   K. Motter;
Elsevier, Cambridge, MA.

   M. D. Rugg;
Center for Vital Longevity, University of Texas, Dallas, Dallas, TX.

   G. Turrigiano;
Dept of Biology, Brandeis University, Waltham, MA.

**Professional Development Workshops**

**PDW14. Successful Career Advancement through Networking: Is It Who You Know?**

**Location:** S106

**Time:** Sunday, October 18, 2015, 11:30 AM - 1:00 PM
Networking can have a powerful effect on a scientist's career trajectory. The organizers and speakers will present tips and advice for successful networking, as well as vignettes from their own careers about times when networking has been key to their success. This event will also highlight different venues for networking (conferences, social media, intradepartmental, etc). Discussion time will allow workshop participants to learn from each other's networking successes (and failures).

**Contact:** [mpd@sfn.org](mailto:mpd@sfn.org)

**Panelists:**
M. G. Baxter;

R. Shansky;
Behavioral Neurosci., Northeastern Univ., Boston, MA.

N. Gray;

B. McEwen;
Laboratory of Neuroendocrinology, The Rockefeller University, New York, NY.

B. Moghaddam;
University of Pittsburgh, Pittsburgh, PA.

B. T. Saunders;
Johns Hopkins University, Baltimore, MD.

N. C. Tronson;
Department of Psychology, University of Michigan, Ann Arbor, MI.

**Professional Development Workshops**

**PDW15. Creating Connections and Community in Support of Diverse Neuroscientists**

**Location:** S101

**Time:** Sunday, October 18, 2015, 11:30 AM - 1:30 PM

Developing community and a sense of belonging to the field are important in supporting diverse neuroscientists. Panelists will describe a cohort-based professional development program for early career researchers from underrepresented groups called BRAINS. The panel will share program innovations as well as stories and take-home messages from BRAINS community members. A moderated discussion will offer an opportunity to brainstorm avenues of
incorporating BRAINS best practices into your own career or community.

**Contact:** mpd@sfn.org

**Panelists:** C. Horner-Devine;  
Univ. of Washington, Seattle, WA.

G. D. Griffin;  
Department of Biology, Tuskegee University, Tuskegee, AL.

E. Martinez-Finley;  
The Mind Research Network, Albuquerque, NM.

A. A. Nunez;  
Michigan State University, East Lansing, MI.

P. Scott-Johnson;  
Morgan State University, Baltimore, MD.

J. Yen;  
University of Washington, Seattle, WA.

S. J. Mizumori;  
Univ Washington, Seattle, WA.

**Professional Development Workshops**

**PDW16. Tackling Challenges in Scientific Rigor: The (Sometimes) Messy Reality of Science**

**Location:** S101

**Time:** Sunday, October 18, 2015, 2:00 PM - 4:00 PM

Rigorous conduct of science is the cornerstone of the scientific endeavor, touching on established practices for experimental design, data analysis, and transparency, as well as other issues like publishing and funding pressures. Knowing how to address these issues is critical for a successful career in science. This workshop will explore practical examples of the challenges and solutions in conducting rigorous science from the real-life examples of neuroscientists at various career stages. It will focus on development of the interpersonal, scientific, and technical skills necessary to address various issues in scientific rigor, such as what to do when you can’t replicate a published result, how to get support from a mentor, and how to cope with various career pressures that might affect the quality of your science.
Contact: mpd@sfn.org

Panelists: J. H. Morrison;
Neuroscience, Box 1639, Icahn Sch. of Med. at Mount Sinai, New York, NY.

B. Lom;
Biol. Dept. and Program in Neurosci., Davidson Col., Davidson, NC.

E. McKiernan;
Wilfrid Laurier University, Waterloo, ON, CANADA.

P. G. Popovich;
Department of Neuroscience, The Ohio State University, Columbus, OH.

P. R. Rapp;
Laboratory of Behavioral Neuroscience, National Institute on Aging, NIH, Baltimore, MD.

D. M. Walker;
Neuroscience, Mount Sinai School of Medicine, New York, NY.

Professional Development Workshops

PDW17. Internationalizing Your Research, Training, and Funding Experience

Location: S106

Time: Sunday, October 18, 2015, 2:00 PM - 5:00 PM

This workshop will focus on several topics of direct relevance to anyone wishing to internationalize their training and research, with a special focus on trainees and faculty from low- or middle-income countries (LMIC) who are interested in obtaining international experiences that they can take back to their home countries. Topics will include the value of an international research experience, advice for selecting a lab and obtaining funding, how to maximize your training experience, and how to return home. The workshop will consist of brief speaker presentations with representatives from India, China, and the United States, a panel, and discussions. After the formal presentations and panel there will be an opportunity to speak with speakers and panelists as well as with public and private agencies offering training and funding.

Contact: mpd@sfn.org

Panelists: M. J. Zigmond;
Neurol., Univ. of Pittsburgh, Pittsburgh, PA.
Professional Development Workshops

PDW17. Internationalizing Your Research, Training, and Funding Experience

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Contact: mpd@sfn.org

Panelists: B. Fischer;
Survival Skills & Ethics Prg, University of Pittsburgh, Pittsburgh, PA.

S. He;
Shanghai Jiao Tong University, Shanghai, CHINA.

Y. Liu;
National Institute of Neurological Disorders and Stroke, NIH, Bethesda, MD.

V. Ravindranath;
Indian Institute of Science, Bangalore, INDIA.

G. E. Torres;
Neurobiol, University of Pittsburgh, Pittsburgh, PA.

D. Tshala-Katumbay;
Oregon Health and Science University, Portland, OR.

Professional Development Workshops

PDW18. Exploring New Communications Channels: Science Blogging
Location: S101

Time: Monday, October 19, 2015, 9:00 AM - 11:00 AM

This session will provide members with guidance on blogging about science, including how to launch a blog, write effective blog posts, and expand audience reach via social media and other online channels. Guests will include science bloggers who share their personal experiences about what works and does not work in engaging online audiences.

Contact: mpd@sfn.org

Panelists: S. Thompson;
Univ. of Maryland Baltimore Sch. of Med., Baltimore, MD.

        A. K. Churchland;
Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.

        D. Fields;
NICHD, National Institutes of Health, Bethesda, MD.

        B. R. Brookshire;
Psychiatry, University of Pennsylvania School of Medicine, Philadelphia, PA.

        B. Voytek;
Cognitive Science, University of California, San Diego, La Jolla, CA.

Professional Development Workshops

PDW19. Teaching Neuroscience to Nonscientists

Location: S106

Time: Monday, October 19, 2015, 9:00 AM - 11:00 AM

This event will look at the best approaches to teaching nonscience majors, topics that are most interesting to nonscientists, and will address if basic chemistry and physics should be taught to students who are not studying science. Panelists will discuss writing textbooks for science-phobic students, sex and gender, botox and behavior, using a best-seller on psychiatric cases to teach neuroscience, and how to teach neuroscience through art and music.

Contact: mpd@sfn.org

Panelists: *R. Olivo;
Biol. Sci., Smith Col., Northampton, MA.
L. E. Been;  
Neuroscience, University of Minnesota, Minneapolis, MN.

M. Breedlove;  
Neuroscience Program, Michigan State University, East Lansing, MI.

B. R. Conway;  
Neuroscience, Wellesley College, Wellesley, MA.

L. A. Gabel;  
Psychology & Neuroscience, Lafayette College, Easton, PA.

L. A. Roesch;  
Neuroscience & Behavioral Biology Program, Emory University, Atlanta, GA.

C. L. Williams;  
Dept Psychology & Neuroscience, Duke University, Durham, NC.

Professional Development Workshops

PDW20. DEPARTMENTS AND PROGRAMS WORKSHOP: Training the Trainers: New Perspectives on Graduate Training in Neuroscience in the 21st Century

Location: S101

Time: Wednesday, October 21, 2015, 9:00 AM - 11:00 AM

The Departments and Programs Workshop is intended for faculty, program directors, and chairpersons interested in enhancing their graduate programs in neuroscience in the areas of 1) broadening curricula to include preparation for career trajectories in a variety of nonacademic settings (such as through the NIH Broadening Experiences in Scientific Training (BEST) program) and 2) how to effectively use the “individual development plan” (IDP) to advise graduate students about career paths. Presentations will be followed by discussion, networking, and interaction with workshop participants.

Contact: training@sfn.org

Panelists: H. Yeh;  
Physiol. and Neurobio., Geisel Sch. of Med. at Dartmouth, Lebanon, NH.

J. K. Armbrester;  
University of Alabama At Birmingham, Birmingham, AL.
Social Issues Roundtable

SIR04. The Income Achievement Gap: Insights from Cognitive Neuroscience

Location: N229

Time: Sunday, October 18, 2015, 1:00 PM - 3:00 PM

Educational achievement is highly correlated with economic opportunity. However, the “income achievement gap” – the difference in academic achievement between students from higher- and lower-income backgrounds – is substantial and is growing in the United States and around the world. This roundtable will consider new findings about the brain correlates of the income achievement gap, as well as ideas on how best to support the educational attainment of students from low-income households.

Contact: advocacy@sfn.org

Panelists: J. D. E. Gabrieli;
Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, Cambridge, MA.

S. A. Bunge;
Department of Psychology & Helen Wills Neuroscience Institute, University of California at Berkeley, Berkeley, CA.

S. J. Lipina;
Unidad de Neurobiología Aplicada, Consejo Nacional de Investigaciones Científicas y Técnicas, Buenos Aires, ARGENTINA.

N.H. Brito;
Columbia University Medical Center, New York, NY.

E. Pakulak;
Brain Development Lab, University of Oregon, Eugene, OR.

S. D. Pollak;
Department of Psychology, University of Wisconsin Madison, Madison, WI.