

# Workshops, Meetings, and Events

Preregistration Required  
Professional Development

\$ Course Fee  
Public Outreach

Networking  
Online Content

## Professional Development, Advocacy, and Networking Resources

### WORKSHOP FEES

**Neurobiology of Disease Workshop** .....\$35

### 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

### Short Course 3

(Includes electronic syllabus)

Student member.....\$100

Student nonmember.....\$150

Postdoctoral member.....\$150

Faculty member.....\$200

Faculty nonmember.....\$300

(breakfast, lunch, and reception)

Note: Preregistration is required for Short Courses and the Neurobiology of Disease Workshop.

Register at SfN.org/registration.

## Friday, October 16

### NEUROBIOLOGY OF DISEASE WORKSHOP

*Support contributed by the National Institute of Neurological Disorders and Stroke of the National Institutes of Health under Award Number R25N5054767. The content does not necessarily represent the official views of the National Institutes of Health.*

### Human Brain Malformations: From Genetics to Therapeutics

Organizers: Peter Crino, MD, PhD;

Mustafa Sahin, MD, PhD

8 a.m.–5 p.m.

McCormick Place: S100B

Contact: training@sfn.org

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.

### SHORT COURSE 1

*Partially supported by an educational grant from Otsuka America Pharmaceutical, Inc and Lundbeck*

### Using iPS Cells and Reprogramming to Model

#### Neural Development and Disease

Organizer: Kevin Eggan, PhD

8 a.m.–6 p.m.

McCormick Place: S401

Contact: training@sfn.org

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.

### SHORT COURSE 2

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

Organizer: Nicholas Katsanis, PhD

8:30 a.m.–6 p.m.

McCormick Place: S406A

Contact: training@sfn.org

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.

### SHORT COURSE 3

### Optimizing Experimental Design for

#### High-Quality Science

Organizers: Mara Dierssen, MD, PhD; Magda Giordano, PhD; Chris McBain, PhD; Charles Mobbs, PhD; John Ngai, PhD; Rae Nishi, PhD

1–5:30 p.m.

McCormick Place: N227

Contact: mpd@sfn.org

The scientific community has become increasingly concerned about issues related to data reproducibility and experimental design. Issues include, but are not limited to: bias for positive results, the “p-hacking” effect, lack of sufficient replication of experiments, pooling data from different experiments, lack of randomization and/or blinding, chance observations, data selection, group compilation, and lack of rigorous training in statistics and analysis. Attendees will learn experimental and analytical design elements that are crucial for the interpretation of neuroscience research results, such as methodological parameters that can introduce bias, influence robustness, or may be subject to biological variability, and the biological and sociological underpinnings of scientific bias. Existing policies on data deposition and presentation will additionally be covered. Lectures will be interspersed with small group discussion opportunities to allow ample time for the examination of case studies.

## Saturday, October 17

### MEET-THE-EXPERT SERIES

8–9:15 a.m., 9:30–10:45 a.m.

Hyatt Regency Chicago (not connected to McCormick Place): West Tower, Bronze Level

Contact: training@sfn.org

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.

#### SESSION 1: 8-9:15 A.M.

##### Ravi Allada, MD

##### A Journey Around the Clock and Beyond: From Bedside to Bench and Back

Room: 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

Room: 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

Room: 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.

##### Jeff Diamond, PhD

##### Neurons and Glia Provide Different Perspectives on the Dynamics of Neurotransmitter Diffusion and Uptake

Room: Water Tower \*

Genetic tools and advanced recording techniques have enabled scientists to study in great detail the molecules and mechanisms underlying neurotransmitter release from the presynaptic active zone and neurotransmitter actions on postsynaptic receptors. It's been much more difficult to grasp the ephemeral step in between neurotransmitters diffusing across, and in some cases beyond, the synaptic cleft. How fast and how far does a neurotransmitter diffuse from its point of release? How well does it activate receptors within and beyond the synaptic cleft? How rapidly is it diluted into the extracellular space or taken up by transporters? This lecture will discuss different ways in which these questions have been tackled experimentally and how their answers have increased the understanding of how synapses operate.

##### Z. Josh Huang, PhD

##### Genetic Dissection of Neocortical Circuits in the Mouse

Room: 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.

#### SESSION 2: 9:30-10:45 A.M.

##### 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

Room: 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 Jensen, MD

##### Translational Studies in Epilepsy and Epileptogenesis: Evaluating Synaptic Function *In Vitro* and *In Vivo*

Room: 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

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## Professional Development, Advocacy, and Networking Resources (Saturday continued)

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.

### William Martin, PhD

**The Garden of Forking Paths: Your PhD as a Gateway into Discovery, Analytics, and Entrepreneurship**

Room: 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?

### Guo-Li Ming, MD, PhD

**Disease in a Dish: The Future of iPSCs**

Room: 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**

Room: 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?**

Room: 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.

### Careers Beyond the Bench

*Support contributed by AbbVie, Inc.*

**Organizer: Elisabeth Van Bockstaele, PhD**

**Panelists: Mark Benton, PhD; Andrew Castiglioni, PhD; Daphney Jean, PhD; Victoria Prince, PhD**

9–11 a.m.

McCormick Place: S106

Contact: mpd@sfn.org

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.

### Success in Academia: What's Your Strategy to Thrive?

**Organizer: Tracy Bale, PhD**

**Panelists: Huda Akil, PhD; Tom Insel, MD; Eric Nestler, MD, PhD; Carla Shatz, PhD**

9–11 a.m.

McCormick Place: S104

Contact: mpd@sfn.org

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

\* Event held at the Hyatt Regency Chicago Downtown (not connected to McCormick Place)

be electronically submitted during the session and answered by the panelists in real time!

#### Meeting Mobile App Tutorial

10-11 a.m., 2-3 p.m.

McCormick Place: N229

Contact: program@sfn.org

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. This tutorial is open to all meeting attendees.

#### Getting the Most Out of SfN: The Annual Meeting and Beyond

**Organizers:** Elisabeth Van Bockstaele, PhD;

Amy Jo Stavnezer, PhD; Hermes Yeh, PhD

**Panelists:** Cara Altimus, PhD; William Carlezon, PhD;

David Riddle, PhD

1-2 p.m.

McCormick Place: S101

Contact: mpd@sfn.org

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.

#### Graduate School Fair

**Organizers:** Committee on Neuroscience

Departments and Programs

Saturday, Oct. 17, 1-3 p.m.

Sunday, Oct. 18-Tuesday, Oct. 20, noon-2 p.m.

McCormick Place: Hall A

Contact: ndp@sfn.org

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

#### How Do I Fund My Science? Public and Private Funding Approaches for Supporting Your Neuroscience Research Across Career Stages and Types of Research

**Organizer:** Kenneth Maynard, PhD

**Panelists:** Jim Deshler, PhD; Nancy Desmond, PhD; William Martin, PhD; Hemai Parthasarathy, PhD; Heather Snyder, PhD  
1:30-5 p.m.  
McCormick Place: S106  
Contact: mpd@sfn.org

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!

#### BRAIN AWARENESS CAMPAIGN EVENT Sparking Connections Through Brain Awareness Around the Globe

**Speaker:** Bobby Heagerty

2:30-4 p.m.

McCormick Place: N427

Contact: baw@sfn.org

Attend this event to 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 Bobby Heagerty, director of Neuroscience Community Affairs and Education at Oregon Health & Science University's Brain Institute and winner of SfN's 2013 Science Educator Award.

#### How to Renovate Your Relationship With Your Adviser or Advisee

**Organizers:** Mike Levine, PhD; Ian Paul, PhD; Jennifer Raymond, PhD

**Panelists:** Samantha Sutton, PhD  
3-5 p.m.  
McCormick Place: S101  
Contact: training@sfn.org

The adviser-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 adviser-advisee relationship, relatively little instruction is given to either party on how to build a great relationship. This interactive workshop will provide that instruction.

#### Diversity Fellows Poster Session

6:30-8:30 p.m.

McCormick Place: Hall A

Contact: mpd@sfn.org

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

#### 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 across the globe, including award winners selected by the International Brain Research Organization and the Japan Neuroscience Society.

#### Trainee Professional Development Awards

##### Poster Session

*Support contributed by eNeuro and The Journal of Neuroscience*

6:30-8:30 p.m.

McCormick Place: Hall A

Contact: awards@sfn.org

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

#### Career Development Topics:

##### A Networking Event

7:30-9:30 p.m.

McCormick Place: Hall A

Contact: mpd@sfn.org

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.

## Sunday, October 18

### A Guide to Publishing in Journals

**Organizer:** Toby Charkin, PhD

**Panelists:** Ted Abel, PhD; Jacques Balthazard, PhD; Verity Brown, PhD; Ross Hildrew; Cindy Lustig, PhD; Kaia Motter; Michael Rugg, PhD; Gina Turrigiano, PhD

9–11 a.m.

McCormick Place: S101

Contact: mpd@sfn.org

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.

### CHAPTERS WORKSHOP

### Expanding Chapter Horizons: Connecting Local and International Communities

**Organizers:** Tanea Reed, PhD; Ron Stoop, PhD

11:30 a.m.–1 p.m.

McCormick Place: N427

Contact: chapters@sfn.org

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.

### Successful Career Advancement Through Networking: Is It Who You Know?

**Organizers:** Mark Baxter, PhD; Rebecca Shansky, PhD

**Panelists:** Noah Gray, PhD; Bruce McEwen, PhD;

Bita Moghaddam, PhD; Benjamin Saunders, PhD;

Natalie Tronson, PhD

11:30 a.m.–1 p.m.

McCormick Place: S106

Contact: mpd@sfn.org

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).

### Creating Connections and Community in Support of Diverse Neuroscientists

**Organizer:** Claire Horner-Devine, PhD

**Panelists:** Gerald Griffin, PhD; Ebany Martinez-Finley, PhD; Antonio Nunez, PhD; Pamela Scott-Johnson, PhD; Joyce Yen, PhD

11:30 a.m.–1:30 p.m.

McCormick Place: S101

Contact: mpd@sfn.org

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.

### SOCIAL ISSUES ROUNDTABLE

### The Income Achievement Gap: Insights From Cognitive Neuroscience

**Organizers:** Silvia Bunge, PhD; John Gabrieli, PhD

**Panelists:** Sebastian Lipina, PhD; Helen Neville, PhD;

Kim Noble, PhD; Seth Pollack, PhD

1–3 p.m.

McCormick Place: N229

Contact: advocacy@sfn.org

This Social Issues Roundtable will address a neuroscience topic that has a broad impact on society, public awareness, and social change, namely disparities in educational achievement associated with household income. With the growth of economies that are ever more dependent upon technology and information, economic opportunity is increasingly dependent upon educational preparation. Yet, with growing income disparities within and between nations, there is a correspondingly widening gap for educational attainment between children born into more versus less-affluent environments. In the past few years, the contemporary methods of cognitive neuroscience have been used to understand how socioeconomic factors may influence neurocognitive development. These studies have employed measures of cognition, psychophysics,

electrophysiology (ERP), structural and functional magnetic resonance imaging (fMRI), and genetics. The studies have not only begun to characterize brain correlates of socioeconomic status, but have also related such brain correlates to academic achievement. Furthermore, some studies have pointed toward mechanisms of brain plasticity that could inform strategies for preparing children born into poverty for academic success.

### Tackling Challenges in Scientific Rigor:

### The (Sometimes) Messy Reality of Science

*Supported by the National Institute On Drug Abuse*

*of the National Institutes of Health under Award*

*Number R25DA041326. The content does not necessarily represent the official views of the National Institutes of Health*

**Organizers:** Barbara Lom, PhD; John H. Morrison, PhD

**Panelists:** Erin C. McKiernan, PhD; Philip G. Popovich, PhD; Peter R. Rapp, PhD; Deena M. Walker, PhD

2–4 p.m.

McCormick Place: S101

Contact: mpd@sfn.org

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.

### Internationalizing Your Research, Training, and Funding Experience

**Organizer:** Michael Zigmond, PhD

**Panelists:** Beth Fischer, PhD; Shigang He, PhD; Yuan Liu, PhD; Vijayalakshmi Ravindranath, PhD; Gonzalo Torres, PhD; Desire Tshala-Katumbay, MD, PhD

2–5 p.m.

McCormick Place: S106

Contact: mpd@sfn.org

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.

## Monday, October 19

### Exploring New Communications Channels: Science Blogging

**Organizer:** Scott Thompson, PhD

**Panelists:** Bethany Brookshire, PhD; Anne Churchland, PhD; Doug Fields, PhD; Bradley Voylek, PhD

9–11 a.m.

McCormick Place: S101

Contact: mpd@sfn.org

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.

### Teaching Neuroscience to Nonscientists

**Organizer:** Richard Olivo, PhD

**Panelists:** Laura Been, PhD; Marc Breedlove, PhD; Bevil Conway, PhD; Lisa Gabel, PhD; Leah Roesch, PhD; Christina Williams, PhD

9–11 a.m.

McCormick Place: S106

Contact: mpd@sfn.org

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.

## Tuesday, October 20

### ANIMALS IN RESEARCH PANEL

*Support contributed by National Primate Research Centers*

### Proactive Strategies to Increase the Positive Public Perception of Animals in Research

**Organizer:** Michael E. Goldberg, MD

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

noon–2 p.m.

McCormick Place: N427

Contact: advocacy@sfn.org

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?

### Celebration of Women in Neuroscience

#### Luncheon

noon–2 p.m.

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

Contact: cwin@sfn.org

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.

### PUBLIC ADVOCACY FORUM

#### Sports-Related Brain Injuries and Their Ethical, Social, and Neuroscience Considerations

**Organizer:** Anne Young, MD, PhD

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

2–4 p.m.

McCormick Place: N229

Contact: advocacy@sfn.org

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.

### SfN Members' Business Meeting

6:45–7:30 p.m.

McCormick Place: N427

Contact: info@sfn.org

Participate in a key forum to share your thoughts and suggestions with the Society's leadership while learning about SfN'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.

### Graduate Student Reception

9 p.m.–midnight

Hyatt Regency Chicago Downtown (not connected to McCormick Place): Regency BCD

Contact: meetings@sfn.org

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

## Wednesday, Oct. 21

### DEPARTMENTS AND PROGRAMS WORKSHOP

#### Training the Trainers: New Perspectives on Graduate Training in Neuroscience in the 21<sup>st</sup> Century

**Organizer:** Hermes Yeh, PhD

**Panelist:** Jami K. Armbruster; Victoria Prince, PhD

9–11 a.m.

McCormick Place: S101

Contact: training@sfn.org

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 accompanied by discussion, networking, and interaction with workshop participants.