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Professional Development Workshops

PDW01. Preparing for Your Career Away From the Bench: Essential Skills for Navigating Your Career Transition

Location: Room N227

Time: Saturday, October 19, 2019, 9:00 AM - 11:00 AM

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.

Organizer/Moderator: *A. C. GRAY;
Biol., Brandeis Univ., WALTHAM, MA

Speaker: A. J. Castiglioni;
Anesthesiol, Northwestern University, Chicago, IL.

Speaker: H. L. Dean;
Food and Drug Administration (FDA), New York, NY.

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

Speaker: R. M. Meyer;
Brain and Cognitive Sciences, MIT, CAMBRIDGE, MA.

Speaker: P. Schmidt;
East Carolina University, Greenville, NC.

Speaker: J. Spiro;
Simons Foundation, New York, NY.

Professional Development Workshops

PDW02. Reproducibility for Everyone

Location: Room N228

Time: Saturday, October 19, 2019, 9:00 AM - 11:00 AM

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

**Organizer/Moderator: L. Teytelman;**
protocols.io, Berkeley, CA.

**Speaker: R. Calin-Jageman;**
Psychology, Dominican University, River Forest, IL.

**Speaker: S. Bachle;**
Addgene, Watertown, MA.

**Speaker: G. Bosch;**
John Hopkins University, Baltimore, MD.

**Speaker: A. Clyburne-Sherin;**
Code Oregon, New York, NY.

**Speaker: *A. P. SHAH;**
Johns Hopkins Univ., Baltimore, MD

**Professional Development Workshops**

**PDW03. Imposter Syndrome: Confronting the Career Development Monster Hiding Under the Bed**

**Location:** Room N228

**Time:** Saturday, October 19, 2019, 12:00 PM - 2:00 PM

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.

**Organizer/Moderator: *E. BOONE;**
NIH, Bethesda, MD

**Speaker: *M. MATTHEWS;**
NINDS, Bethesda, MD

**Speaker: *S. PAEZ;**
The Rockefeller Univ., New York, NY

**Speaker: G. R. Poe;**
University of California, Los Angeles, Los Angeles, CA.
Speaker: E. D. Jarvis;  
Rockefeller University, New York, NY.

Speaker: N. A. Suthana;  
Neurosurgery / Psychiatry / Psychology, University of California, Los Angeles, Los Angeles, CA.

Speaker: R. Guthrie;  
Integrative Biology and Physiology, University of California Los Angeles, Los Angeles, AL.

Speaker: R. M. Calisi;  
Neurobiology, Physiology and Behavior, University of California - Davis, Davis, CA.

Professional Development Workshops

PDW04. Integrating Research and Teaching at Primarily Undergraduate Institutions

Location: Room N227

Time: Saturday, October 19, 2019, 12:00 PM - 2:00 PM

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.

Organizer/Moderator: L. A. Chase;  
Hope College, Holland, MI.

Speaker: M. E. Morrison;  
Biology, Lycoming College, Williamsport, PA.

Speaker: M. S. McMurray;  
Psychology, Miami University, Oxford, OH.

Speaker: D. M. Buffalari;  
Neuroscience, Westminster College, Pittsburgh, PA.

Speaker: A. Stavnezer;  
College of Wooster, Wooster, OH.

Speaker: B. Lom;  
Biology Department and Program in Neuroscience, Davidson College, Davidson, NC.

Speaker: *J. J. FERNANDES;  
Miami Univ., Oxford, OH
Professional Development Workshops

PDW05. Getting Creative with Course-Based Research Experiences to Enhance Scholarship and Generate Publishable Data

Location: Room N227

Time: Saturday, October 19, 2019, 3:00 PM - 5:00 PM

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.

Organizer/Moderator: *J. K. ROSE;
Psychology, Western Washington Univ., Bellingham, WA

Speaker: *L. DAHLBERG;
Western Washington Univ., Bellingham, WA

Speaker: E. A. Becker;
Psychology, Saint Joseph's University, Philadelphia, PA.

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

Speaker: R. Jain;
Haverford College, PHILADELPHIA, PA.

Speaker: W. J. Wilson;
Psychological Science, Albion College, Albion, MI.

Professional Development Workshops

PDW06. How to Thrive as a Woman in Neuroscience

Location: Room N228

Time: Saturday, October 19, 2019, 3:00 PM - 5:00 PM

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.
Professional Development Workshops

PDW07. Bringing Genetic Diversity to Neuroscientific Research

Location: Room N228

Time: Sunday, October 20, 2019, 9:00 AM - 11:00 AM

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.

Organizer/Moderator: *E. J. CHESLER*
The Jackson Lab., Bar Harbor, ME

Speaker: C. C. Kaczorowski;
Genomics, The Jackson Laboratory, Bar Harbor, ME.

Speaker: A. A. Palmer;
University of California, San Diego, San Diego, CA.

Speaker: R. Williams;
Dept of Anatomy and Neurobiology, University of Tennessee Health Science Center, Memphis, TN.

Speaker: Y. Ben-Shahar;
Biology, Washington Univ, SAINT LOUIS, MO.
Speaker: T. J. Phillips;  
VA Med Center, Portland, OR.

Professional Development Workshops

PDW08. Navigating Team Science

Location: Room N227

Time: Sunday, October 20, 2019, 9:00 AM - 11:00 AM

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.

Organizer/Moderator: J. Davenport;  
Brown University, Providence, RI.

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

Speaker: C. D. Bragg;  
MGH Molecular Neurogenetics Unit, Harvard Medical School, Boston, MA.

Speaker: B. Ajiboye;  
Biomedical Engineering, Case Western Reserve University, Cleveland, OH.

Speaker: *C. MANZINI;  
Rutgers Univ., New Brunswick, NJ

Speaker: *L. M. COOLEN;  
Kent State Univ., Kent, OH

Professional Development Workshops

PDW09. Becoming a Resilient Scientist

Location: Room N227

Time: Sunday, October 20, 2019, 12:00 PM - 2:00 PM

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.

**Organizer/Moderator: J. A. CLARK**; NIH, Bethesda, MD

**Speaker: A. Galli**; University of Alabama, Birmingham, Birmingham, AL.

**Speaker: L. W. Role**; NIH, Bethesda, MD.

**Speaker: S. Milgram**; National Institute of Health, Bethesda, MD.

**Speaker: S. Sheikhbahaei**; NINDS, National Institutes of Health, Bethesda, MD.

**Professional Development Workshops**

**PDW10. Science Management**

**Location:** Room N228

**Time:** Sunday, October 20, 2019, 12:00 PM - 2:00 PM

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

**Organizer/Moderator: T. Kokan**; Human Brain Project, Innsbruck, AUSTRIA.

**Speaker: T. Rass**; Medical University Innsbruck, Innsbruck, AUSTRIA.

**Speaker: R. McIntosh**; Baycrest, Toronto, ON, CANADA.

**Speaker: C. Studzinski**; Brain Institute, Toronto, ON, CANADA.

**Speaker: H. Ledmyr**; INCF, Karolinska Institutet, Stockholm, SWEDEN.
Speaker: *T. BROWN;*  
Baycrest, Toronto, ON, Canada

**Professional Development Workshops**

**PDW11. Neuroscience Departments and Programs Workshop - Hiring and Promoting Faculty in the Era of Team Science**

**Location:** Room N227  
**Time:** Sunday, October 20, 2019, 2:30 PM - 5:00 PM

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.

**Organizer/Moderator: *R. A. SEGAL;***  
Harvard Med. Sch., Boston, MA

**Speaker: H. T. Cline;***  
The Scripps Research Institute, La Jolla, CA.

**Speaker: S. de Vries;***  
Allen Institute for Brain Science, Washington, DC.

**Speaker: S. E. Hyman;***  
Provost, Broad Institute, Cambridge, MA.

**Professional Development Workshops**

**PDW12. Building a Neuroscience Career at a Teaching Focused Institution**

**Location:** Room N228  
**Time:** Sunday, October 20, 2019, 3:00 PM - 5:00 PM

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 PUls.
Organizer/Moderator: S. A. Davis; 
Delaware Technical Community College, Washington, DE. 

Speaker: K. Welshhans; 
Dept of Biological Sciences & School of Biomedical Sciences, Kent State University, Kent, OH. 

Speaker: H. W. Horch; 
Bowdoin College, Brunswick, ME. 

Speaker: I. Soto; 
Molecular and Cellular Biosciences, Rowan University, Glassboro, NJ. 

Speaker: A. Holgado; 
Department of Biological Sciences, St. Edward's University, Austin, TX. 

Speaker: *M. A. HARRINGTON; 
Biol. Sci., Delaware State Univ., Dover, DE 

Professional Development Workshops 

PDW13. Advancing Your Career Through Effective Science Writing for the Public and Creating Eye-Catching Research Statements 

Location: Room N227 

Time: Monday, October 21, 2019, 9:00 AM - 11:00 AM 

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. 

Organizer/Moderator: *E. ROSA-MOLINAR; 
Microscopy and Analytical Imaging Resource Core Lab., Univ. of Kansas, Lawrence, KS 

Speaker: J. Newman; 
Americans for Medical Progress, Washington, DC. 

Speaker: P. Clifford; 
Americans for Medical Progress, Washington, DC. 

Speaker: W. Jarrett; 
Understanding Animal Research, London, UNITED KINGDOM.
Professional Development Workshops

PDW14. The Art of Building a Career

Location: Room N228

Time: Monday, October 21, 2019, 9:00 AM - 11:00 AM

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.

Organizer/Moderator: W. Masocha; Applied Therapeutics, Kuwait University, Safat, KUWAIT.

Speaker: P. D. Butler; Nathan Kline Inst, ORANGEBURG, NY.

Speaker: O. Weinreb; Technion-Israel Institute of Technology, Medicine, Pharmacology, Eve Topf Center, Haifa, ISRAEL.

Speaker: M. V. Mabandla; University of Kwazulu Natal, Westville, SOUTH AFRICA.

Speaker: M. I. DAVILA-GARCIA; Pharmacol., Howard Univ. Col. of Med., Washington, DC

Professional Development Workshops

PDW15. Optimize Your Grant Application: News You Can Use From the NIH

Location: Room N228

Time: Monday, October 21, 2019, 12:00 PM - 2:00 PM

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.

Organizer/Moderator: *B. REED; Div. of Neuroscience, Development, and Aging, Ctr. for Scientific Review, NIH, Bethesda, MD
Professional Development Workshops

PDW16. Teaching Computation in Neuroscience

Location: Room N227

Time: Monday, October 21, 2019, 12:00 PM - 2:00 PM

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.

Organizer/Moderator: W. E. Babiec;
Undergraduate Interdepartmental Program for Neuroscience, UCLA, Los Angeles, CA.

Speaker: R. E. Kass;
Carnegie Mellon University, Pittsburg, PA.

Speaker: P. Wallisch;
Ctr Neural Sci, New York University, New York, NY.

Speaker: M. B. Abrams;
INCF, INCF, Stockholm, SWEDEN.

Speaker: A. L. Fairhall;
Dept Physiol & Biophys, Univ Washington, SEATTLE, WA.

Speaker: *R. F. OLIVO;
Biol. Sci., Smith Col., Northampton, MA

Speaker: *W. E. GRISHAM;
Psychology, UCLA, Los Angeles, CA