When citing an abstract from the 2024 annual meeting, please use the format below.

Professional Development Workshops

PDW01: Neuroscience Beyond the Classroom: Incorporating Community-Based Learning Projects into Neuroscience Courses

Location: MCP Room S402

Time: Saturday, October 5, 2024, 12:00 PM - 2:00 PM

Description: Community-based learning (CBL) allows students to apply course material to the real world, connect with communities, and explore career/vocational paths. These projects help develop neuroscientists who understand and have the skills to share neuroscience beyond the lab and medicine. This workshop will showcase diverse CBL projects from undergraduate neuroscience courses. Following the panel presentation, attendees will be provided with workflow prompts to begin building a CBL for their own course.

Organizer/Moderator: *S. N. CASSELLA;
Neurosci., Loras Col., Dubuque, IA

Disclosure: Speaker: J. C. Kurczek;
University of Iowa, Iowa City, IA.

Disclosure: J.C. Kurczek: None.

Speaker: N. Michael;
University of Notre Dame, Notre Dame, IN

Disclosure: N. Michael: None.

Speaker: T. Fischer;
Wayne State University, Detroit, MI

Disclosure: T. Fischer: None.

Professional Development Workshops

PDW02: Working With and Working for AI

Location: MCP Room S403

Time: Saturday, October 5, 2024, 12:00 PM - 2:00 PM

Description: This workshop will address the uses (and fears) of Artificial Intelligence (AI) as well as entryways into AI employment. AI is taking the academic and public imagination by storm and is changing ways of thinking about utilizing its analytic and generative power. This workshop will touch on AI applications and job opportunities that are or will be arising in this field. Speakers will address not only their employment of AI techniques but also employment opportunities in AI.

Speaker: R. C. Craddock

Disclosure: Speaker: S. Ramaswamy;
Newcastle University, Newcastle, United Kingdom

Disclosure: Speaker: J. D. Monaco;
National Institutes of Health, Bethesda, MD.

Disclosure: J.D. Monaco: None.

Speaker: E. M. Carpenter;
National Science Foundation, Alexandria, VA

Disclosure: E.M. Carpenter: None.

Speaker: A. L. Orsborn;
Electrical & Computer Engineering, University of Washington, Seattle, WA.

Disclosure: A.L. Orsborn: F. Consulting Fees (e.g., advisory boards); Scientific Advisor for Meta Reality Labs.

Speaker: B. Benedetti;
Redwood City, CA

Disclosure: Organizer/Moderator: *M. ABRAMS;
INCF, Stockholm, Sweden

Disclosure: M. Abrams: None.

Professional Development Workshops

PDW03: NIH: Improving the Review of Research Project Grant and Fellowship Applications

Location: MCP Room S403

Time: Saturday, October 5, 2024, 3:00 PM - 5:00 PM

Description: This session will discuss the initiatives of NIH to improve the peer review of research project grants (RPG) and individual fellowship applications. The speaker will explain how the existing review criteria for RPGs will be reorganized to help reviewers focus on the key questions needed to assess the scientific merit of applications. The speaker will describe how the changes in the review of fellowship applications are aimed at better focusing reviewers on key assessments and reducing the influence of sponsor and institutional reputation.

Organizer/Moderator: *B. R. REED;
Ctr. for Scientific Review, NIH, Bethesda, MD

Disclosure: B.R. Reed: None.

Professional Development Workshops

PDW04: Team-Based Learning in Neuroscience Education: An Interactive Demonstration and Exploration of Evidence-Based Findings and Real-World Classroom Experiences

Location: MCP Room S402

Time: Saturday, October 5, 2024, 3:00 PM - 5:00 PM

Description: Team-based learning (TBL) is a structured approach to teaching that enhances accountability and fosters connection among students, enriching classroom dynamics. It also prepares students for collaborative scientific research. The workshop offers data on improved academic outcomes with TBL in STEM courses, student testimonials, an expert's valuable insights, and an interactive TBL demonstration. By the workshop's end, attendees will have foundational tools to implement TBL in their neuroscience classroom.

Organizer/Moderator: *M. NG;
Psychology & Neurosci., Duke Univ., Durham, NC

Disclosure: Organizer/Moderator: *T. NEWPHER;
Duke Univ., Durham, NC

Disclosure: T. Newpher: None.

Speaker: C. Wilson;
Chapman University, Orange, CA

Disclosure: C. Wilson: F. Consulting Fees (e.g., advisory boards); Team-Based Learning Trainer Consultant.

Speaker: M. Tarampi

Disclosure: Speaker: N. Fish;
Chapman University, orange, CA

Disclosure: N. Fish: None.

Professional Development Workshops

PDW05: International Partnerships in Neuroscience

Location: MCP Room S403

Time: Sunday, October 6, 2024, 9:00 AM - 11:00 AM

Description: This workshop aims to provide information for SFN attendees on how to improve neuroscience through international collaboration. A spectrum of topics include: building successful research networks, funding for international research collaborations, engaging graduate students and young neuroscientists, cross-country dual PhD programs, challenges and

advantages for PIs, and co-authorship challenges. Panelists will share insights on how international exposure and collaboration enhance a neuroscience career.

Speaker: E. de Almeida Araujo;
State University of Londrina, LONDRINA, Brazil

Disclosure: Speaker: H. W. Steinbusch;
Maastricht University, Maastricht, Netherlands

Disclosure: H.W. Steinbusch: None.

Speaker: R. M. Oliveira;
State University of Maringá, Maringa, PR

Disclosure: Speaker: W. Sanchez-Luna;
NIH/NIDA, Baltimore, MD.

Disclosure: W. Sanchez-Luna: None.

Speaker: D. L. Robinson;
University of North Carolina Chapel Hill, Chapel Hill, NC

Disclosure: D.L. Robinson: None.

Organizer/Moderator: *C. DA CUNHA;
Univ. Federal do Parana, Curitiba, Brazil

Disclosure:

Professional Development Workshops

PDW06: Demystifying the Scholarship of Teaching

Location: MCP Room S402

Time: Sunday, October 6, 2024, 9:00 AM - 11:00 AM

Description: This workshop will focus on the Scholarship of Teaching and Learning (SoTL), the scholarly approach to asking, "I wonder if the students learned anything." SoTL involves critically assessing student learning and developing best practices. The number of SoTL publications has nearly tripled each decade, indicating a burgeoning area of scholarship. A discussion of SoTL is a relevant and timely topic that contributes to a more diverse and dedicated teaching professoriate.

Organizer/Moderator: *D. DONLEY;
Harding Univ., Searcy, AR

Disclosure: D. Donley: None.

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

Disclosure: A. Stavnezer: None.

Speaker: C. F. Gavin;
University of Alabama, Birmingham, Birmingham, AL

Disclosure: Speaker: E. C. Leininger;
St. Mary's College of Maryland, Saint Marys City, MD

Disclosure: E.C. Leininger: None.

Speaker: M. Gaudier-Diaz

Disclosure: Speaker: P. Kadandale;
University of California Irvine, Irvine, CA

Disclosure: P. Kadandale: None.

Professional Development Workshops

PDW07: Plan for Enhancing Diverse Perspectives: How to Enhance Inclusivity and Diverse Perspectives in an NIH Grant

Location: MCP Room S402

Time: Sunday, October 6, 2024, 12:00 PM - 2:00 PM

Description: This workshop focuses on strategies for implementing the Plan for Enhancing Diverse Perspectives (PEDP) to enhance inclusivity and diverse perspectives in an NIH research project. Speakers will discuss how their funded research incorporates principles of the PEDP, detailing concrete strategies for a variety of project types and budget sizes. Participants will have the opportunity to brainstorm and discuss PEDP-related activities and how to best apply them to their scientific projects.

Speaker: K. Ichihara;
Broad Institute, Cambridge, MA

Disclosure: K. Ichihara: None.

Speaker: L. Ostroff;
University of Connecticut, Storrs Mansfield, CT

Disclosure: Speaker: Y. Kozorovitskiy;
Neurobiology, Northwestern University, Evanston, IL.

Disclosure: Speaker: W. Gray-Roncal

Disclosure: Speaker: R. Richardson;
National Institutes of Health, Baltimore, MD

Disclosure: Speaker: J. Jackson;
Belmont, MA

Disclosure: Organizer/Moderator: *C. LANTZ;
NIH BRAIN Initiative, Arlington, VA

Disclosure:

Professional Development Workshops

PDW08: Neuroscience Departments and Programs Workshop: Neuroscience Undergraduate and Graduate Curricula and Training Programs for the Future

Location: MCP Room S403

Time: Sunday, October 6, 2024, 3:00 PM - 5:00 PM

Description: Structuring the curriculum for undergraduate and graduate neuroscience trainees to align with training and workforce changes is critical. This timely workshop will cover the elements of neuroscience training based on core competencies, including a core curriculum, statistics education, scientific writing (including discussions around the use of generative Artificial Intelligence), and professional development to prepare trainees for multiple careers. Experts will connect these topics to tailored training for academic and non-academic career paths.

Organizer/Moderator: *L. M. COOLEN;
Biol. Sci., Kent State Univ., Kent, OH

Disclosure: L.M. Coolen: None.

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

Disclosure: R.J. Calin-Jageman: Other; RC-J is co-author of a introductory statistics textbook published by Taylor and Francis..

Speaker: T. Tan;
Harvard Medical School, Boston, MA

Disclosure: T. Tan: None.

Speaker: R. A. Segal;
Harvard Medical School Graduate Program In Neuroscience, Brookline, MA.

Disclosure: R.A. Segal: None.

Speaker: M. Linden;
Brown University, Providence, RI

Disclosure: M. Linden: None.

Professional Development Workshops

PDW09: Building Bridges: LatiNeuro Workshop for Networking and Mentorship

Location: MCP Room S402

Time: Sunday, October 6, 2024, 3:00 PM - 5:00 PM

Description: This professional development workshop by Latineuro will offer attendees a unique opportunity to network with fellow neuroscientists who identify as Latino/a/e. Led by a six-person panel representing diverse perspectives across different careers in neuroscience, this session will feature a panel discussion with audience participation and interactive round table discussions, allowing for a rich exchange of experiences.

Speaker: K. Alviña;
University of Florida Department of Neuroscience, Gainesville, FL

Disclosure: Speaker: S. Correa;
UCLA, Los Angeles, CA

Disclosure: S. Correa: None.

Speaker: S. D. Iniguez;
University of Texas at El Paso, El Paso, TX

Disclosure: S.D. Iniguez: None.

Speaker: A. Berrios-Negron;
Ponce Health Sciences University, Ponce, PR

Disclosure: A. Berrios-Negron: None.

Organizer/Moderator: *S. CRESPO-FLORES;
Rutgers Univ., Piscataway, NJ

Disclosure: Speaker: A. Vazquez;
University of Pittsburgh, Pittsburgh, PA

Disclosure: Speaker: C. Cazares;
University of California, San Diego, La Jolla, CA

Disclosure: C. Cazares: None.

Professional Development Workshops

PDW10: Career Advancement Through Effective Science Writing for the Public and Creating Clear, Eye-Catching Research Statements

Location: MCP Room S403

Time: Monday, October 7, 2024, 9:00 AM - 11:00 AM

Description: The workshop will provide instruction on how to write research summaries for a variety of audiences, including the public. The intended audience for the workshop is early- and mid-career neuroscientists who would like to enhance their skillset by learning how to summarize their studies for funding opportunities, public programs, job applications, websites, and elsewhere.

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

Disclosure: Organizer/Moderator: *E. ROSA-MOLINAR;
Pharmacol. and Toxicology and Neurosci., Washington Univ. in St. Louis Sch. of Med., Saint Louis, MO

Disclosure: E. Rosa-Molinar: None.

Speaker: W. Jarrett;
Understanding Animal Research, London, United Kingdom

Disclosure: W. Jarrett: None.

Speaker: P. Clifford, 20005;
Americans for Medical Progress, Washington, DC

Disclosure:

Professional Development Workshops

PDW11: NIH Funding Support for Neuroscience Research and Training on the Health and Well-Being of Members of LGBTQI+ Communities

Location: MCP Room S402

Time: Monday, October 7, 2024, 9:00 AM - 11:00 AM

Description: The overarching objective of this workshop is to enhance sexual & gender minority (SGM)-related research capacity in the neurosciences. The intended audience includes neuroscience faculty, graduate students, postdoctoral fellows, science administrators, and non-profit groups with research interests in the health and well-being of members of LGBTQI+

communities. This workshop will discuss NIH research funding mechanisms and provide an opportunity to meet with NIH Staff.

Organizer/Moderator: *I. AVILA;
NIH, Bethesda, MD

Disclosure: I. Avila: None.

Professional Development Workshops

PDW12: Opening the File Drawer: Solutions to Sharing Unpublished Work Including Null Results and Small Findings

Location: MCP Room S403

Time: Monday, October 7, 2024, 12:00 PM - 2:00 PM

Description: Dive into the root causes and consequences of the "File Drawer Problem" when well-designed experiments go unpublished. Join this workshop to gain a deeper understanding of why scientists should consider opening the file drawer and learn actionable strategies to ensure that all findings contribute to the advancement of knowledge, including information on micropublications, pre-publication, and using tools to find options for publication. Panelists will provide practical knowledge on how to alleviate the guilt and unproductivity associated with abandoned, imperfect, and underutilized results.

Organizer/Moderator: *B. J. KOLBER;
Univ. of Texas at Dallas, Dept. of Neurosci., Richardson, TX

Disclosure: Speaker: A. Freeman

Disclosure: Speaker: P. W. Sternberg;
California Inst Technol, Pasadena, CA

Disclosure: Speaker: M. H. Hagenauer;
University of Michigan, Ann Arbor, MI

Disclosure: M.H. Hagenauer: None.

Speaker: S. Winham;
Mayo Clinic, Rochester, MN

Disclosure: S. Winham: None.

Professional Development Workshops

PDW13: "Building Up the Nerve" to Develop an Effective Career Roadmap

Location: MCP Room S402

Time: Monday, October 7, 2024, 12:00 PM - 2:00 PM

Description: This workshop will provide deeper insights into helping graduate students, postdocs, junior faculty, and their mentors prepare strong career development plans. The workshop will feature advice and strategies from successful grantees and peer reviewers, with interactive activities and small group discussions facilitated by NIH staff and funders from foundation organizations.

Speaker: M. Gray;
University of Alabama, Birmingham, Birmingham, AL.

Disclosure: M. Gray: None.

Speaker: L. Ullrich;
NINDS/NIH, Washington, MD

Disclosure: L. Ullrich: None.

Speaker: M. Matthews;
National Institute of Neurological Disorders and Stroke, Kensington, MD

Disclosure: Speaker: M. Strangl;
Boston University, Boston, MA

Disclosure: Speaker: A. Hernandez-Reynoso;
The University of Texas At Dallas, Richardson, TX

Disclosure: A. Hernandez-Reynoso: None.

Organizer/Moderator: *M. D. JONES-LONDON;
Office of Programs to Enhance Neurosci. Workforce Diversity (OPEN), NIH, Natl. Inst. of Neurolog. Disorders & Stroke (NINDS), Bowie, MD

Disclosure: M.D. Jones-London: None.

Speaker: D. Tranel;
University of Iowa, Iowa City, IA

Disclosure: D. Tranel: None.

Speaker: A. White;
West Virginia University, Morgantown, WV

Disclosure:

Professional Development Workshops

PDW14: Community for Rigor: A Tool for Teaching the Principles of Rigorous Research and the Use of AI

Location: MCP Room S402

Time: Monday, October 7, 2024, 3:00 PM - 5:00 PM

Description: This workshop will demonstrate educational tools developed by the Community for Rigor (C4R), a National Institute of Neurological Disorders and Stroke-funded initiative that makes free, online instruction based on the principles of rigorous research. Participants will hear remarks from the team involved in shaping the project and discuss the importance of conducting awesome and reliable neuroscience research. Then, participants will join C4R developers in group-based interactive lessons. Participants new to concepts in rigor will gain an understanding of key topics in causality and effective data visualization. Participants seeking to incorporate rigor education into their personal development, lab group conversations, or mentoring will learn how to access and utilize C4R materials to lower the barrier to doing more rigorous science in their work.

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

Disclosure: Organizer/Moderator: *K. P. KORDING;
Upenn, Philadelphia, PA

Disclosure: K.P. Kording: E. Ownership Interest (stock, stock options, royalty, receipt of intellectual property rights/patent holder, excluding diversified mutual funds); paradromics, sama.

Speaker: T. Tan;
Harvard Medical School, Boston, MA

Disclosure: T. Tan: None.

Speaker: S. E. Gombash;
Ohio State University, Westerville, OH

Disclosure: Speaker: S. Silberberg;
NIH NINDS, Bethesda, MD

Disclosure: S. Silberberg: None.