When citing an abstract from the 2025 annual meeting, please use the format below.

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Information is current as of October 1, 2025. See the Neuroscience 2025 Neuroscience Meeting Planner on SfN.org for the most up-to-date information.

Meet-the-Expert Session

MTE01: Meet-the-Expert: Robinson — Pursuing Impact in Alzheimer's Disease as a Chemist

Location: SDCC Rm 5B

Time: Saturday, November 15, 2025, 3:30 PM - 4:30 PM

Description: Trained as an analytical chemist, Dr. Robinson's technical expertise in mass spectrometry and proteomics has led to some incredible technologies that allow insight into the understanding of aging, sepsis, and Alzheimer's disease. This presentation will cover her laboratory's journey toward its current work on disparities and equity in Alzheimer's disease, biomarker discovery efforts, and the development of robust and high-throughput analytical pipelines for proteomics.

Moderator: *T. REED;
Eastern Kentucky University, Richmond, KY

Disclosures:

Speaker: R. A. S. Robinson;
Vanderbilt University, Nashville, TN

Disclosures: R.A.S. Robinson: None.

Grant Support: NIH R01AG064950
NIH R01AG022018
NIH R01AG054518
NIH P20AGO68082
NIH P50AG005133
NIH R25GM147296
Vanderbilt University Institutional Funds

Meet-the-Expert Session

MTE02: Meet-the-Expert: Di Giovanni — Control of Sensorimotor Function and Repair Across the Lifespan, Dietary, and Environmental Variables

Location: SDCC Rm 5B

Time: Sunday, November 16, 2025, 9:00 AM - 10:00 AM

Description: The speaker will discuss the main steps of his career by linking personal experiences to scientific challenges and achievements. The speaker will talk about how environmental factors including diet and physical activity affect metabolism and immunity to control physiology and repair in the sensorimotor system to optimize function. He will discuss the implications of this work in conditions spanning from traumatic, vascular, inflammatory, degenerative, and metabolic damage to the spinal cord and peripheral nerves.

Session Sponsor: Thorlabs, Inc.

Moderator: *K. SATKUNENDRARAJAH;
Medical College of Wisconsin, Brookfield, WI

Disclosures:

Speaker: S. Di Giovanni;
Imperial College London, London, United Kingdom

Disclosures: S. Di Giovanni: None.

Grant Support: MRC
Rosetrees Trust
WFL
ISRT

Meet-the-Expert Session

MTE03: Meet-the-Expert: Schiller — The Computational Power of Dendrites: From Single Neuron to Behavior

Location: SDCC Rm 5B

Time: Sunday, November 16, 2025, 11:00 AM - 12:00 PM

Description: This session will explore how the brain represents, learns, and stores information through the lens of dendritic computations in cortical pyramidal neurons. The speaker will share a journey from pioneering N- methyl-d-aspartate (NMDA)-spike detection *in vitro* and direct voltage and calcium recordings from thin dendrites to uncovering cell type-dependent compartmentalized dendritic computations during motor learning *in vivo*. Attendees will learn about technical advances, neural coding, and career paths in neuroscience.

Session Sponsor: Thorlabs, Inc.

Moderator: *C. D. AIZENMAN;
Brown University, Providence, RI

Disclosures:

Speaker: J. Schiller;
Technion-Israel Institute of Technology, Haifa, Israel

Disclosures: J. Schiller: None.

Grant Support: Israel Science Foundation
ERC
Prince Clinical and Systems Neuroscience Center

Meet-the-Expert Session

MTE04: Meet-the-Expert: Colón-Ramos — Powering the Brain: A Journey Into the Cell Biology of Energy Metabolism

Location: SDCC Rm 5B

Time: Sunday, November 16, 2025, 1:00 PM - 2:00 PM

Description: The speaker's research program aims to elucidate the principles of self-organization of synapses and circuits, and how those principles underpin function. Recently, he has become interested in how energy metabolic pathways are organized in the context of the anatomical connectome and across scales, from the subcellular architecture of glycolytic energy-producing pathways within synapses to glycolytic energy states of circuits in the connectome. This session will describe the research journey that brought this speaker to these topics.

Session Sponsor: Thorlabs, Inc.

Moderator: *L. MA;
Thomas Jefferson University, Philadelphia, PA

Disclosures:

Speaker: D. A. Colón-Ramos;
Yale University School of Medicine, New Haven, CT

Disclosures: D.A. Colón-Ramos: None.

Grant Support: NIH R35 NS132156

Meet-the-Expert Session

MTE05: Meet-the-Expert: Stucky — No Pain, No Gain: Advice for Turbulent Times in Neuroscience Research

Location: SDCC Rm 5B

Time: Sunday, November 16, 2025, 3:00 PM - 4:00 PM

Description: We are living in turbulent research times in the U.S. The speaker will share her thoughts and advice on navigating these unprecedented, challenging times in neuroscience research based on her last 30 years navigating a healthy family life and career in somatosensory and pain research. This speaker will offer her perspective on seeking and finding funding, work-life balance, finding your passion, pivoting projects, making and recovering from mistakes, staying positive, and the vital importance of communicating scientific work to the lay public today.

Moderator: *A. SINGER;
Georgia Institute of Technology / Emory University, Atlanta, GA

Disclosures:

Speaker: C. L. Stucky;
Medical College of Wisconsin, Milwaukee, WI

Disclosures: C.L. Stucky: None.

Grant Support: R37 NS108278
R01 NS070711
R01 NS040538

Meet-the-Expert Session

MTE06: Meet-the-Expert: Fenton — Remapping My Spaces

Location: SDCC Rm 5B

Time: Monday, November 17, 2025, 11:00 AM - 12:00 PM

Description: How do we learn and know? For much of the speaker's career, it was assumed that neurons respond to external stimuli as if to represent them, but an equally plausible model asserts that neuronal activity is fundamentally internally organized and instead fit to external features. The speaker will report on investigations of cognition through studies of spatially-tuned cells and synaptic plasticity. Like neuronal networks remap their representations of explored spaces, he has learned to reassess and reframe circumstances and concepts while navigating science and his career.

Moderator: *M. RAMOT;
Weizmann Institute of Science, Rehovot, Israel

Disclosures:

Speaker: A. A. Fenton;
New York University, New York, NY

Disclosures: A.A. Fenton: None.

Grant Support: NIH grant R01MH132204
NIH grant R01MH115304
NIH grant R01NS105472
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NSF grant IOS-0725001
European Union Framework V grant QLG3-CT-199-00192
McDonnell Foundation: Individual Grants-In-Aid 98-38 CNS-QUA.05

Meet-the-Expert Session

MTE07: Meet-the-Expert: De La Prida — Navigating the Memory Space: How Embracing Biological Complexity Uncovers the Brain's Hidden Dynamics

Location: SDCC Rm 5B

Time: Monday, November 17, 2025, 1:00 PM - 2:00 PM

Description: Memory shapes who we are, both as individuals and scientists. It emerges from the interplay of diverse neural circuits, giving rise to representations that guide behavior. In this session, the speaker will share a journey from physics to neuroscience, exploring how brain oscillations and diverse neuron types reveal the principles of memory function. From Hodgkin-Huxley models to neural manifolds, the session will reflect on the challenges and rewards of embracing the brain's complexity.

Moderator: *R. PISKOROWSKI;
Sorbonne Université / Institute Biology Paris Seine / Neuroscience Paris Seine, Paris, France

Disclosures:

Speaker: L. M. De La Prida;
Instituto Cajal CSIC, Madrid, Spain

Disclosures: L.M. De La Prida: None.

Grant Support: Spanish AEI PID2021-124829NB-I00
Fundación La Caixa LCF/PR/HR21/52410030

Meet-the-Expert Session

MTE08: Meet-the-Expert: Roelfsema — Conscious Vision and Its Restoration in Blindness

Location: SDCC Rm 5B

Time: Monday, November 17, 2025, 3:00 PM - 4:00 PM

Description: What does a sensory stimulus have to achieve in the brain to enter into conscious awareness? The speaker was drawn to neuroscience to answer this question and to understand how the brain rewires during learning. His team started to implant increasing numbers of electrodes into the brain and then realized that stimulation through all these electrodes could enable a precise visual brain prosthesis for the blind. They started up a company to enable translation of the technology to humans.

Moderator: *Y. MOAYEDI;
New York University, New York, NY

Disclosures:

Speaker: P. R. Roelfsema;
Netherlands Institute for Neuroscience, Amsterdam, Netherlands

Disclosures: P.R. Roelfsema: E. Ownership Interest (stock, stock options, royalty, receipt of intellectual property rights/patent holder, excluding diversified mutual funds); Roelfsema is co-founder and shareholder of a neurotechnology startup Phosphoenix.

Grant Support: ERC
NWO
KNAW

Meet-the-Expert Session

MTE09: Meet-the-Expert: Hong — Neural Mechanisms of Prosocial Behavior

Location: SDCC Rm 5B

Time: Tuesday, November 18, 2025, 9:00 AM - 10:00 AM

Description: While it is evolutionarily advantageous for individuals to act in ways that promote their own survival and reproductive success, humans and other animals often display empathy and compassion through behaviors that benefit others. The speaker studies various forms of empathic and prosocial behaviors and investigates the neural mechanisms underlying these behaviors. Additionally, this research extends beyond mechanisms within a single brain, aiming to understand how interbrain neural dynamics emerge through social interactions between individuals.

Moderator: *H. MORISHITA;
Icahn School of Medicine at Mount Sinai, New York, NY

Disclosures:

Speaker: W. Hong;
University of California, Los Angeles, Los Angeles, CA

Disclosures: W. Hong: None.

Grant Support: NIH Grant R01MH130941

Meet-the-Expert Session

MTE10: Meet-the-Expert: Basso — Nonhuman Primate Neuroscience: A 20-Year History of Unplanned Advocacy

Location: SDCC Rm 5B

Time: Tuesday, November 18, 2025, 2:30 PM - 3:30 PM

Description: Research involving nonhuman primates remains crucial for translating discoveries from rodent and computer models to humans with neurological and neuropsychiatric illnesses. Women and neuroscientists historically underrepresented in this area of neuroscience are disproportionately targeted by anti-science extremism. The speaker will discuss their 20+ year experience in this field and their efforts supporting education and advocacy addressing the importance of nonhuman primate neuroscience in advancing scientific knowledge and medical discovery.

Moderator: *P. FATTORI;
University of Bologna, Bologna, Italy

Disclosures:

Speaker: M. A. Basso;
University of Washington, Seattle, WA

Disclosures: M.A. Basso: None.