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Information is current as of November 6, 2026. See the Neuroscience 2026 Neuroscience Meeting Planner on SfN.org for the most up-to-date information.

Product Theater

PROT01: Illuminating Brain function through Two-Photon: Calcium and Voltage Dynamics with Optogenetics

Location: Grand Product Theater – Aisle 1400

Time: Sunday, November 15, 2026, 10:00 AM - 10:30 AM

Description: Two-photon microscopy has advanced our understanding of computation and connectivity in neuroscience. Through in-vivo calcium imaging at cell-resolution, scientists study brain activity from scales of dendritic spines to neuronal networks. Combined with optogenetics and voltage imaging, 2P offers new insights into dynamic interactions in neural circuits. Learn how Bruker enables research with 3D holographic optogenetics, voltage imaging (OptoVolt), fast volumetric imaging (NeuraLeap), and more.

Bruker Corporation
Booth #: 1917

Speaker:
J. Fong;
Madison, WI.

Disclosures:

PROT02: Eleven Years In: A Life with a Brain-Computer Interface

Location: Grand Product Theater – Aisle 1400

Time: Sunday, November 15, 2026, 11:30 AM - 12:00 PM

Description: Nathan Copeland is the longest-running chronic brain-computer interface user in the world. Implanted with the NeuroPort array, he has lived with a BCI for more than eleven years. Fellow former user Ian Burkhart leads a fireside conversation on what Nathan has accomplished and how the technology fits into his daily life. They discuss what more than a decade of lived experience reveals about implanted BCIs and the road ahead for the field.Join us as Galen Buckwalter and Nathan Copeland, current BCI users and advocates, discuss BCIs in everyday life, creativity, and the future of humans and tech.

Blackrock Neurotech
Booth #: 1835

Speaker:
I. Burkhart;
BCI Pioneers Coalition, Columbus, OH.

Disclosures:

Speaker:
N. Copeland;
Dunbar, PA.

Disclosures:

PROT03: From Spatial Context to Biological Insight in Neuroscience Research

Location: Grand Product Theater – Aisle 1400

Date & Time: Sunday, November 15, 1–1:30 p.m.

Understanding the relationship between cells, tissue structure, and gene expression is critical to advancing neuroscience. This session will explore how whole-transcriptome spatial profiling with the StrataMap™ Spatial solution enables researchers to connect molecular activity with anatomical context, generating new insights into neural systems, disease biology, and therapeutic discovery through scalable, high-resolution spatial analysis.

Illumina
Booth #: 411

Speaker:
T. J. Nowakowski;
San Francisco, CA.

Disclosures:

PROT04: Measuring Low-Abundant Neuroscience Biomarkers: Closing the Sensitivity Gap with Custom SMC® Assays

Location: Grand Product Theater – Aisle 1400

Time: Sunday, November 15, 2026, 2:30 PM - 3:00 PM

Description: Neuroscience biomarkers such as neurofilaments, tau species, and cytokines are often present in blood and CSF at concentrations too low for conventional immunoassays, leaving many samples below the quantifiable range and limiting what a study can conclude. This talk describes how a single molecule counting technology closes the sensitivity gap, and how a bioanalytical CRO develops fit-for-purpose custom SMC® assays so low-abundant analytes can be measured reliably in relevant matrices.

Millipore
Booth #: 1023

Speaker:
A. Pandey;
Piscataway, NJ.

Disclosures:

PROT05: Explore What's Possible in Neuroscience With Single-Cell and Spatial Transcriptomics

Location: Grand Product Theater – Aisle 1400

Time: Sunday, November 15, 2026, 4:00 PM - 4:30 PM

Description: Join us at Neuroscience 2026 to gain a more comprehensive understanding of spatiotemporal transcriptome changes and protein expression patterns driving pathogenesis and disease progression in the native tissue context with spatial transcriptomics assays. Journey deeper into the brain with single cell and spatial technologies to see neurobiology in new ways. Uncover the cellular contributions of individual cell types and subtypes to neurological development and disease by building high resolution molecular profiles using single cell products from 10x Genomics.

10x Genomics
Booth #: 912

Speaker:
B. Toms;
10x Genomics, New Market, MD.

Disclosures:

PROT06: Increasing the Throughput of Organoid Culture and Analysis for Drug Discovery Workflows

Location: Grand Product Theater – Aisle 1400

Time: Monday, November 16, 2026, 10:00 AM - 10:30 AM

Description: In this talk we will explore how organoid culture methods can be adapted across different stages of the drug discovery pipeline. We will highlight scalable approaches for growing organoids in large-volume suspension cultures, including using bioreactors. We will also discuss organoid cutting to improve cell health and viability. Finally, we will present methods for performing acute recordings using multi-well MEA plates, enabling repeated measurements over time while preserving organoid structure.

STEMCELL Technologies, Inc.
Booth #: 1637

Speaker:
E. Knock;
STEMCELL Technologies Inc., Vancouver, BC, CANADA.

Disclosures:

PROT07: Powering Neuroscience Drug Discovery

Location: Grand Product Theater – Aisle 1400

Time: Monday, November 16, 2026, 11:30 AM - 12:00 PM

Description: Bridging the gap between neuroscience discovery and clinical success requires more predictive translational approaches. Using Alzheimer's disease as a case study, this presentation will showcase how New Approach Methodologies (NAMs), advanced in vivo imaging and human-centric biology can improve assessment of disease biology, therapeutic efficacy and safety. Together, these approaches enable informed decision-making and increase confidence in candidate selection.

IQVIA Laboratories
Booth #: 1407

Speaker:
J. Rytkönen;
IQVIA Laboratories Finland Oy, Kuopio, FINLAND.

Disclosures:

PROT08: A Neuroscientist's Guide to Spatial Proteomics: Technologies, Applications, and Emerging Opportunities

Location: Grand Product Theater – Aisle 1400

Time: Monday, November 16, 2026, 1:00 PM - 1:30 PM

Description: Spatial proteomics enables neuroscientists to study protein expression, localization, aggregation, and cell interactions while preserving tissue architecture. This session explores high-plex and 3D imaging, spatial proteomics, and AI-powered image analysis, highlighting their strengths and limitations across molecular, cellular, and tissue scales. Researchers will gain practical guidance for selecting and implementing spatial biology workflows for their scientific questions.

Leica Microsystems
Booth #: 1515

Speaker:
M. Smith;
Leica Microsystems, Waltham, MA.

Disclosures:

PROT09: Functional Ultrasound (fUS): Latest Advances in Whole-Brain Imaging with Iconeus One

Location: Grand Product Theater – Aisle 1400

Time: Monday, November 16, 2026, 2:30 PM - 3:00 PM

Description: Functional ultrasound (fUS) is an advanced neuroimaging technique delivering exceptional spatiotemporal resolution. This session highlights recent innovations and how Iconeus One enables real-time, whole-brain imaging in preclinical studies. With 100 × 100 × 400 µm spatial and 100 ms temporal resolution, it captures hemodynamics, functional connectivity, angiography, 3D imaging, and ULM down to 6.5 µm, pushing the boundaries of neuroimaging research.

Iconeus
Booth #: 1815

Speaker:
P. V. Pelaez;
Iconeus, Paris, FRANCE.

Disclosures:

PROT10: The CellXpress.ai Automated Cell Culture System for Automated, Robust Forebrain and Midbrain Organoid Generation

Location: Grand Product Theater – Aisle 1400

Time: Monday, November 16, 2026, 4:00 PM - 4:30 PM

Description: What if consistent brain organoid generation could be automated with reproducible results? These complex models are transforming neurodegenerative disease research and therapy development, but labor-intensive workflows and long-term cultures limit scalability and consume valuable researcher time. Discover how automated forebrain and midbrain organoid workflows can reduce hands-on effort, improve reproducibility, and help scale organoid generation for disease modeling and drug discovery.

Molecular Devices, LLC
Booth: 1502

Speaker:
E. Pichler;
Molecular Devices, Puch bei Hallein, AUSTRIA.

Disclosures:

PROT11: Signals and Sensation: Reading Intent and Restoring Touch in BCI

Location: Grand Product Theater – Aisle 1400

Time: Tuesday, November 17, 2026, 10:00 AM - 10:30 AM

Description: Two leading researchers compare their approaches to brain-computer interface work. Charles Greenspon restores the sense of touch through intracortical microstimulation, giving prosthetic hand users real-time feedback for grip and contact. Simon Jacob decodes speech from cortical activity to restore communication for people with severe paralysis. They examine how each goal shapes electrode placement, decoding strategy, and patient training, and where the two areas may converge.

Blackrock Neurotech
Booth #: 1835

Speaker:
C. M. Greenspon;
University of Chicago, Chicago, IL.

Disclosures:

Speaker:
F. Solzbacher;
Salt Lake City, UT.

Disclosures:

PROT12: Are Your Neural Models Telling the Full Story? Integrated Solutions for Next Generation Neural Models

Location: Grand Product Theater – Aisle 1400

Time: Tuesday, November 17, 2026, 11:30 AM - 12:00 PM

Description: In this session, attendees will learn practical strategies to develop and validate stem cell and organoid models. Using iPSC-derived midbrain dopaminergic neuron progenitors as a case study, we'll explore approaches to differentiation, characterization, and quality assessment that can generate deeper biological insights. Attendees will gain practical insights for studies of neurological development, disease biology, and therapeutic discovery.

Bio-Techne
Booth #: 1823 & 1914

Speaker:
D. Bhuiyan;
Bio-Techne, Minneapolis, MN.

Disclosures:

PROT14: Next-Gen Functional Characterization of Complex Neural Models: Organoids, iPSCs, and Microphysiological Systems

Location: Grand Product Theater – Aisle 1400

Time: Tuesday, November 17, 2026, 2:30 PM - 3:00 PM

Description: Advanced neural models require powerful functional characterization to realize their biological relevance for translational applications. This session explores how Axion is optimizing our technology to enable you to get more from your biology. Learn how to leverage live-cell analysis to enhance utility of complex models for cell line development, disease modeling, and therapeutic discovery.

Axion BioSystems
Booth #: 523

Speaker:
A. Passaro;
Axion BioSystems, Atlanta, GA.

Disclosures:

PROT16: Combining 3D Imaging and Light Sheet Guided 2D Spatial Multiplexing for Deep Characterization of a Glioblastoma Mouse Model

Location: Focused Product Theater – Aisle 1100

Time: Sunday, November 15, 2026, 10:00 AM - 10:30 AM

Description: Spatial biology studies organization of cells and molecules in tissues to decipher complex biological processes. While 2D immunofluorescence is limited to selected areas, 3D light sheet microscopy enables intact-organ analysis but with few markers. We developed a workflow combining 3D and 2D imaging: 3D analysis identifies tumor regions and cells at single-cell level, followed by sectioning target structures for 2D phenotyping of glioblastoma, neural, and immune markers on the same specimen.

Miltenyi Biotec B.V. & Co. KG
Booth #: 1809

Speaker:
K. Bigott;
R&D Reagents / Molecular Technologies & Stem Cell Therapy, Miltenyi Biotec B.V. & Co. KG, Bergisch Gladbach, GERMANY.

Disclosures:

Speaker:
K. Kern;
Bergisch Gladbach, GERMANY.

Disclosures:

PROT17: Streamlining and Simplifying Complex Tissue-Based Assays for Neuroscience

Location: Focused Product Theater – Aisle 1100

Time: Sunday, November 15, 2026, 11:30 AM - 12:00 PM

Description: This talk will discuss automated tissue prep and imaging workflows for neuroscience applications including neurodegenerative disease in human and animal models. We will go over how to simplify multiplex immunofluorescence, multiplex chromogenic, special stains and polarization assays using the BOND RX auto stainer, Aperio FL 120 scanner and various protein and RNA detection kits.

Leica Biosystems
Booth #: 1604

Speaker: **A. E. Haggerty**;
Medical Affairs, Leica Biosystems, Deer Park, IL.

Disclosures:

Speaker:
K. McFadden;
Life Sciences Imaging, Leica Biosystems, Deer Park, IL

Disclosures:

PROT18: A High-Resolution Spatial Transcriptomic Atlas of Embryonic Mouse Brain Development Using Takara Trekker and 10x FLEX

Location: Focused Product Theater – Aisle 1100

Time: Sunday, November 15, 2026, 1:00 PM - 1:30 PM

Description: Discover how Takara Trekker™ Spatial Technology and 10x Genomics FLEX were used to create a high-resolution spatial transcriptomic atlas of the embryonic mouse brain. This presentation highlights the identification of distinct cell populations, spatial gene expression patterns, and developmental pathways, providing new insights into brain development and neuroscience research.

Takara Bio, USA
Booth #: 312

Speaker:
C. van Velthoven;
Allen Institute, Seattle, WA.

Disclosures:

Speaker:
J. Xie;
Brain Science, Allen Institute, Seattle, WA.

Disclosures:

PROT19: Evolutions of SilVIR™ Detector Technology

Location: Focused Product Theater – Aisle 1100

Time: Sunday, November 15, 2026, 2:30 PM - 3:00 PM

Description: Evident's SilVIR™ detector technology advances precision imaging with exceptional signal-to-noise ratio, absolute quantitation, and high dynamic range. Building on innovations introduced with the FLUOVIEW™ FV5000, new SilVIR™-based capabilities extend confocal performance beyond conventional limits. See how Evident is helping researchers capture more signal, resolve fine structural detail, preserve sample viability, and open new possibilities for scientific discovery.

Evident
Booth **#:** 1801

Speaker:
G. Glekas;
Chapel Hill, NC

Disclosures:

PROT20: **Witness System: Handle & Analyze & Share Your Interactive Behavioral Experiment on a Game Engine**

Location: Focused Product Theater – Aisle 1100

Time: Sunday, November 15, 2026, 4:00 PM - 4:30 PM

Description: Linking neural activity to complex behaviors requires intricate experimental design and analysis. Here, we present the Witness System, an automated, high-performance digital twin platform. It reconstructs 3D animal kinematics within an accurate virtual arena and leverages a game engine for closed-loop feedback. Witness enables seamless sharing of arena structures and experimental logic, generating unified and synchronized datasets for diverse analysis pipelines and foundation models.

Blux Inc.
Booth: 2302

Speaker:
S. Z. Wang;
Headquarter, Blux Inc., Irvine, CA

Disclosures:

PROT21: From Reads to Discovery: Agentic AI Meets BD Rhapsody Single-Cell Multiomics

Location: Focused Product Theater – Aisle 1100

Time: Monday, November 16, 2026, 10:00 AM - 10:30 AM

Description: We present two complementary tools designed to accelerate adoption and analysis of BD Rhapsody single-cell data. First, we introduce a Nextflow pipeline for BD Rhapsody snRNA-seq, snATAC-seq, and multiome workflows that runs end-to-end with no manual coding or user intervention required. Second, we present OPERON, the first open-source agentic AI platform for biological data analysis. Together, these tools make single-cell multiomics on the BD Rhapsody accessible to every biologist.

Waters Biosciences (formerly BD Biosciences)
Booth #: 805

Speaker:
V. Swarup;
Neurobiology and Behavior, University of California, Irvine, Irvine, CA.

Disclosures:

PROT22: HD-MEA in Drug Discovery: From Phenotypic Screening to Lead Optimization

Location: Focused Product Theater – Aisle 1100

Time: Monday, November 16, 2026, 11:30 AM - 12:00 PM

Description: The talk showcases how 3Brain's CorePlate-enabled high-density microelectrode arrays provide high-resolution, label-free functional readouts across neuronal and cardiac in-vitro models, enabling more predictive phenotypic screening, and statistically robust assays that help teams prioritize and refine drug leads faster and with fewer experiments.

3Brain AG
Booth #: 811

Speaker:
A. L. Jolly;
3Brain, Oceanside, CA

Disclosures:

Speaker:
C. K. Mak;
STEMCELL Technologies Inc., Vancouver, BC, CANADA

Disclosures:

PROT23: Proteomic Biomarkers for Alzheimer's Disease: Advancing Translational Neuroscience with Large-Scale Protein Profiling

Location: Focused Product Theater – Aisle 1100

Time: Monday, November 16, 2026, 1:00 PM - 1:30 PM

Description: Large-scale proteomic profiling is creating new opportunities to explore the molecular landscape of neurodegenerative disease. This session will highlight how SOMAmer™ proteomics is being applied in Alzheimer's disease research to measure thousands of proteins across research cohorts. Attendees will learn how broad proteomic coverage can reveal disease-relevant biology, enable cross-cohort analyses, and generate insights that advance translational neuroscience research.

Illumina
Booth #: 411

Speaker:
Y. Qi;
CARD, NIA, NIH, Bethesda, MD

Disclosures:

PROT24: Revolutionizing ELISA: SimpleStep Ignite™ ELISA Faster, broader, more sensitive

Location: Focused Product Theater – Aisle 1100

Time: Monday, November 16, 2026, 2:30 PM - 3:00 PM

Description: In this talk, we'll delve into the advantages of SimpleStep ELISA® technology, which combines the specificity of recombinant antibodies with the CaptSure immobilization technology. We'll highlight innovation in high-throughput immunoassays, as well as the new chemiluminescent, highly sensitive SimpleStep Ignite® ELISA. Finally, we'll examine how our immunoassays effectively solve specific customer challenges, enhancing research efficiency and precision within the field.

Abcam
Booth #: 1509

Speaker:
E. Swanson;
Immunoassay Platform Development, Abcam, Eugene, OR

Disclosures:

PROT25: Winning Westerns: Tips and Tricks for the Perfect Western Blot

Location: Focused Product Theater – Aisle 1100

Time: Monday, November 16, 2026, 4:00 PM - 4:30 PM

Description: Although Western blotting protocols are straight-forward, achieving consistent, high-quality results often depend on critical decisions throughout the process. In this seminar, we will review the Western blot workflow and discuss common challenges and troubleshooting tips, with a focus on membrane selection and transfer optimization. Through practical examples, you will learn how to optimize conditions, minimize background, and generate reliable results.

MilliporeSigma
Booth #: 1023

Speaker:
X. Li;
Burlington, MA.

Disclosures:

PROT26: In Vivo Real-time Longitudinal Brain Imaging in Rodent: Recent Advances with AI, Organoid and Imaging Windows

Location: Focused Product Theater – Aisle 1100

Time: Tuesday, November 17, 2026, 10:00 AM - 10:30 AM

Description: IVIM Technology's All-in-One real-time intravital two-photon and confocal microscopy system and comprehensive solutions for in vivo cellular-level longitudinal imaging of live animal models will be introduced. With automatic tissue motion compensation and AI empowered image processing, it can acquire a real-time, multi-color images and videos in sub-micron resolution from brain (cortex, hippocampus, choroid plexus, striatum, olfactory bulb, etc) and various organs in live mouse models.

IVIM Technology, Inc.
Booth #: 1012

Speaker:
P. Kim;
Graduate School of Medical Science and Engineering, KAIST, Daejeon, KOREA, REPUBLIC OF.

Disclosures:

PROT28 - Functional Endpoints of Learning and Memory with CNS-3D Plasticity Organoids

Location: Focused Product Theater – Aisle 1100

Time: Tuesday, November 17, 2026, 1:00 PM – 1:30 PM

Description: Neurodegeneration drug attrition remains among the highest because candidates are selected on evidence that does not predict cognitive outcomes. CNS-3D Plasticity Organoids pair two human iPSC-derived cortical organoids on a custom electrode array, forming a connected neural network trainable via closed-loop stimulation. Paired with cognitive biomarker assays, the platform yields functional endpoints of learning and memory via synaptic plasticity and network potentiation.

28bio
Booth #: 406

Speaker:
C. Rountree;
Metaire, LA.

Disclosures: