

When citing an abstract from the 2019 annual meeting, please use the format below.

[Authors]. [Abstract Title]. Program No. XXX.XX. 2019 Neuroscience Meeting Planner.
Chicago, IL: Society for Neuroscience, 2019. Online.

2019 Copyright by the Society for Neuroscience all rights reserved. Permission to republish any abstract or part of any abstract in any form must be obtained in writing by SfN office prior to publication.

Satellite/Ancillary Events

SAT01. 52nd Annual Meeting of the International Society for Developmental Psychobiology (ISDP)

Location: Swissotel Chicago

Time: Wednesday, October 16, 2019, 1:00 PM - 7:30 PM

Satellite Organizer: B. Reeb-Sutherland;

Florida International University.

Swissôtel Chicago. The 52nd Annual Meeting of the International Society for Developmental Psychobiology (ISDP) will be held October 16-18, 2019, at the Swissôtel Chicago as a satellite event immediately prior to Neuroscience 2019. Researchers interested in the development of behavior in all organisms including man, with special attention to the effects of biological factors operating at any level of organization are encouraged to participate. Abstract deadline is June 1, 2019. For more information, visit www.isdp.org

Satellite/Ancillary Events

SAT02. American Society of Neurorehabilitation Annual Meeting

Location: DoubleTree by Hilton Hotel Chicago - Magnificent Mile

Time: Wednesday, October 16, 2019, 1:00 PM - 7:00 PM

Satellite Organizer: M. Hilger;

ASNR.

DoubleTree by Hilton Hotel Chicago - Magnificent Mile. The American Society of Neurorehabilitation (ASNR) is excited to be bringing our 2019 Annual Meeting to SfN as a two and a half day satellite meeting. This meeting will focus on advances in the basic and clinical science of neurorehabilitation, providing opportunities to share knowledge, experience, and developments in the field.

Satellite/Ancillary Events

SAT03. BrightFocus Alzheimer's Fast Track

Location: Oakbrook, IL

Time: Wednesday, October 16, 2019, 7:00 AM - 5:00 PM

Satellite Organizer: K. Summers;

BrightFocus Foundation.

Oakbrook, IL. This workshop scheduled Oct. 16-18, aims to provide graduate students, postdoctoral fellows, and other early-stage scientists focusing on Alzheimer's disease research an

overview of current knowledge and new directions in AD research. Workshop sessions will be taught by leaders in the field and emphasize interaction with students and immediate application of new knowledge through presentations, interactive workshops and mock grant proposals.

Satellite/Ancillary Events

SAT04. 2019 International Neuroethics Society Annual Meeting

Location: Radisson BLU hotel, 221 North Columbus Street, Chicago

Time: Thursday, October 17, 2019, 9:00 AM - 4:30 PM

Satellite Organizer: K. Graham;
International Neuroethics Society.

Radisson BLU Hotel, 221 North Columbus Street, Chicago. The 2019 International Neuroethics Society meeting will be October 17 and 18 at the Radisson BLU hotel. The general theme is "Mapping Neuroethics: Expanding the Vision" with featured talks and panels focusing on international perspectives in neuro-rights and global mental health. Top abstracts invited to poster session, competitively selected oral presentations. Networking opportunities, travel stipends available. See neuroethicssociety.org

Satellite/Ancillary Events

SAT05. 2019 International Neuroethics Society Public Program

Location: Northwestern University McGaw Pavilion 240 E. Huron Chicago

Time: Thursday, October 17, 2019, 5:00 PM - 7:00 PM

Satellite Organizer: K. Graham;
International Neuroethics Society.

Northwestern University McGaw Pavilion. The 2019 International Neuroethics Society meeting will be October 17 and 18 at the Radisson BLU hotel. The general theme is "Mapping Neuroethics: Expanding the Vision" with featured talks and panels focusing on international perspectives in neuro-rights and global mental health. Top abstracts invited to poster session, competitively selected oral presentations. Networking opportunities, travel stipends available. See neuroethicssociety.org

Satellite/Ancillary Events

SAT06. 2019 Molecular and Cellular Cognition Society Poster Session

Location: Simpson Querrey Biomedical Research Center at Northwestern University Downtown Campus

Time: Thursday, October 17, 2019, 6:30 PM - 9:30 PM

Satellite Organizer: T. Abel;
University of Iowa.

Simpson Querrey Biomedical Research Center at Northwestern University Downtown Campus. The MCCA meeting brings together junior and senior scientists that combine molecular and cellular approaches to study behavior. The general goal of these studies is to derive explanations of cognitive processes that integrate molecular, cellular, and behavioral mechanisms. The MCCA meeting consists of a poster session Thursday night, October 17 and a symposium Friday, October 18.

Satellite/Ancillary Events

SAT07. 52nd Annual Meeting of the International Society for Developmental Psychobiology (ISDP)

Location: Swissotel Chicago

Time: Thursday, October 17, 2019, 7:30 AM - 7:30 PM

Satellite Organizer: B. Reeb-Sutherland;
Florida International University.

Swissôtel Chicago. The 52nd Annual Meeting of the International Society for Developmental Psychobiology (ISDP) will be held October 16-18, 2019, at the Swissôtel Chicago as a satellite event immediately prior to Neuroscience 2019. Researchers interested in the development of behavior in all organisms including man, with special attention to the effects of biological factors operating at any level of organization are encouraged to participate. Abstract deadline is June 1, 2019. www.isdp.org

Satellite/Ancillary Events

SAT08. American Society of Neurorehabilitation Annual Meeting

Location: DoubleTree by Hilton Hotel Chicago - Magnificent Mile

Time: Thursday, October 17, 2019, 7:00 AM - 8:00 PM

Satellite Organizer: M. Hilger;
ASNR.

DoubleTree by Hilton Hotel Chicago - Magnificent Mile. The American Society of Neurorehabilitation (ASNR) is excited to be bringing our 2019 Annual Meeting to SfN as a two and a half day satellite meeting. This meeting will focus on advances in the basic and clinical science of neurorehabilitation, providing opportunities to share knowledge, experience, and developments in the field.

Satellite/Ancillary Events

SAT09. Barrels XXXII

Location: Northwestern University School of Medicine, Chicago

Time: Thursday, October 17, 2019, 8:30 AM - 10:00 PM

Satellite Organizer: J. Brumberg;
Queens College and the Graduate Center.

Northwestern University School of Medicine, Chicago. The 32nd Annual Barrels Meeting highlights the latest advances in this rapidly growing field. The Barrels meeting annually focuses on the development, anatomy, physiology and behavior of the rodent whisker-to-barrel pathway. Speakers will utilize diverse molecular, physiological, computational techniques to understand the development, sensory processing and motor commands that are involved with the rodent mystacial vibrissae.

Satellite/Ancillary Events

SAT10. BrightFocus Alzheimer's Fast Track

Location: Oakbrook, IL

Time: Thursday, October 17, 2019, 7:00 AM - 5:00 PM

Satellite Organizer: K. Summers;
BrightFocus Foundation.

Oakbrook, IL. This workshop scheduled Oct. 16-18, aims to provide graduate students, postdoctoral fellows, and other early-stage scientists focusing on Alzheimer's disease research an overview of current knowledge and new directions in AD research. Workshop sessions will be taught by leaders in the field and emphasize interaction with students and immediate application of new knowledge through presentations, interactive workshops and mock grant proposals.

Satellite/Ancillary Events

SAT11. Next Generation Computational Psychiatry

Location: The Congress Plaza Hotel & Convention Center

Time: Thursday, October 17, 2019, 9:00 AM - 5:30 PM

Satellite Organizer: C. Carrin;
Computational Psychiatry.

The Congress Plaza Hotel & Convention Center. We are pleased to invite junior and senior scientists, students, clinicians, and enthusiasts to attend our annual event. Keynote speakers include Dr. Martin Paulus and Dr. Helen Mayberg. For more information visit computationalpsychiatry.org or contact events@computationalpsychiatry.org

Satellite/Ancillary Events

SAT12. 2019 Marmoset Bioscience Symposium

Location: Greenhouse Loft, 2545 W. Diversey Ave. Chicago

Time: Thursday, October 17, 2019, 7:00 AM - 6:00 PM

Satellite Organizer: K. Lee;
Salk Institute.

Greenhouse Loft, 2545 W. Diversey Ave. Chicago. The major goal of the 2019 inaugural meeting is part of a multiple-pronged approach to establish a consortium aimed at highlighting cutting-edge research in marmosets and promoting marmosets as a key model system in the next chapter of biomedical research. The meeting will provide a networking forum for both U.S. and overseas-established investigators and junior scientists from diverse backgrounds to interact and communicate their research findings.

Satellite/Ancillary Events

SAT13. J.B. Johnston Club for Evolutionary Neuroscience

Location: The University Center

Time: Thursday, October 17, 2019, 8:00 AM - 7:30 PM

Satellite Organizer: E. Catania;
Vanderbilt University.

The University Center. The JBJC meeting will take place October 17th and 18th at the University Center, Chicago IL. The topic of the 31st Annual Karger Workshop on the 17th is "Evolution of natural and drug-sensitive reward in addiction", organized by Robert Huber. On the 18th, the meeting will feature short presentations by members. Information is available on the website (jbjclub.org). Contact: Elizabeth Catania, PEO. jbjclub1980@gmail.com

Satellite/Ancillary Events

SAT14. 2019 International Neuroethics Society Annual Meeting

Location: Radisson BLU hotel, 221 North Columbus Street, Chicago

Time: Friday, October 18, 2019, 9:00 AM - 7:00 PM

Satellite Organizer: K. Graham;
International Neuroethics Society.

Radisson BLU Hotel, 221 North Columbus Street, Chicago. The 2019 International Neuroethics Society meeting will be October 17 and 18 at the Radisson BLU hotel. The general theme is "Mapping Neuroethics: Expanding the Vision" with featured talks and panels focusing on international perspectives in neuro-rights and global mental health. Top abstracts invited to

poster session, competitively selected oral presentations. Networking opportunities, travel stipends available. See neuroethicssociety.org

Satellite/Ancillary Events

SAT15. 2019 Molecular and Cellular Cognition Society Symposium

Location: Room: N228

Time: Friday, October 18, 2019, 8:00 AM - 5:00 PM

Satellite Organizer: T. Abel;
University of Iowa.

Room: N228. The MCCS meeting brings together junior and senior scientists that combine molecular and cellular approaches to study behavior. The general goal of these studies is to derive explanations of cognitive processes that integrate molecular, cellular, and behavioral mechanisms. The MCCS meeting consists of a poster session Thursday night, October 17 and a symposium Friday, October 18.

Satellite/Ancillary Events

SAT16. 52nd Annual Meeting of the International Society for Developmental Psychobiology (ISDP)

Location: Swissotel Chicago

Time: Friday, October 18, 2019, 7:30 AM - 6:30 PM

Satellite Organizer: B. Reeb-Sutherland;
Florida International University.

Swissôtel Chicago. The 52nd Annual Meeting of the International Society for Developmental Psychobiology (ISDP) will be held October 16-18, 2019, at the Swissôtel Chicago as a satellite event immediately prior to Neuroscience 2019. Researchers interested in the development of behavior in all organisms including man, with special attention to the effects of biological factors operating at any level of organization are encouraged to participate. Abstract deadline is June 1, 2019. www.isdp.org

Satellite/Ancillary Events

SAT17. Advances in Motor Learning and Motor Control

Location: Room: S104

Time: Friday, October 18, 2019, 12:30 PM - 7:00 PM

Satellite Organizer: A. Ahmed;
University of Colorado.

Room: S104. This symposium provides an annual forum for presenting the best new work in motor control and motor learning, including studies of human motor behavior, imaging, motor neurophysiology, and computational modeling. The program will include two invited and ten contributed talks. See motor-conference.org for additional information. Organizers: Maurice Smith, John Krakauer, Adrian Haith and Alaa Ahmed.

Satellite/Ancillary Events

SAT18. American Society of Neurorehabilitation Annual Meeting

Location: DoubleTree by Hilton Hotel Chicago - Magnificent Mile

Time: Friday, October 18, 2019, 7:00 AM - 7:00 PM

Satellite Organizer: M. Hilger;
ASNR.

DoubleTree by Hilton Hotel Chicago - Magnificent Mile. The American Society of Neurorehabilitation (ASNR) is excited to be bringing our 2019 Annual Meeting to SfN as a two and a half day satellite meeting. This meeting will focus on advances in the basic and clinical science of neurorehabilitation, providing opportunities to share knowledge, experience, and developments in the field.

Satellite/Ancillary Events

SAT19. Annual NIDA-NIAAA Frontiers in Addiction Research Mini-Convention

Location: Marriott Marquis - Great Lakes Ballroom EF

Time: Friday, October 18, 2019, 8:30 AM - 5:30 PM

Satellite Organizer: R. Sorensen;
National Institute on Drug Abuse.

Marriott Marquis - Great Lakes Ballroom EF. The mini-convention will present current topics in neuroscience and addiction research. The agenda includes scientific sessions on CRISPR-based gene editing for addiction, technological advances in biosensor development, and neurotechnology innovations for addiction research; presentations by premier early career investigators; and the 2019 Jacob P. Waletzky Memorial Award Lecture. Hosted by the National Institute on Drug Abuse (NIDA) and National Institute on Alcohol Abuse and Alcoholism (NIAAA).

Satellite/Ancillary Events

SAT20. APAN-Advances and Perspectives in Auditory Neuroscience

Location: Wyndham Grand Chicago Riverfront

Time: Friday, October 18, 2019, 8:00 AM - 5:30 PM

Satellite Organizer: Y. Cohen;
University of Pennsylvania.

Wyndham Grand Chicago Riverfront . This annual symposium facilitates the growth of auditory systems neuroscience and provides an opportunity for researchers to discuss issues of common interest and share their latest findings. Those interested in giving a presentation must submit an abstract (~250 words) by July 14, 2019. We encourage the submission of abstracts by new investigators, postdoctoral fellows, and graduate students. To register for APAN and for further information, go to <http://www.med.upenn.edu/apan>

Satellite/Ancillary Events

SAT21. Barrels XXXII

Location: Northwestern University School of Medicine, Chicago

Time: Friday, October 18, 2019, 8:30 AM - 5:00 PM

Satellite Organizer: J. Brumberg;
Queens College and the Graduate Center.

Northwestern University School of Medicine, Chicago. The 32nd Annual Barrels Meeting highlights the latest advances in this rapidly growing field. The Barrels meeting annually focuses on the development, anatomy, physiology and behavior of the rodent whisker-to-barrel pathway. Speakers will utilize diverse molecular, physiological, computational techniques to understand the development, sensory processing and motor commands that are involved with the rodent mystacial vibrissae.

Satellite/Ancillary Events

SAT22. BrightFocus Alzheimer's Fast Track

Location: Oakbrook, IL

Time: Friday, October 18, 2019, 7:00 AM - 5:00 PM

Satellite Organizer: K. Summers;
BrightFocus Foundation.

Oakbrook, IL. This workshop scheduled Oct. 16-18, aims to provide graduate students, postdoctoral fellows, and other early-stage scientists focusing on Alzheimer's disease research an overview of current knowledge and new directions in AD research. Workshop sessions will be taught by leaders in the field and emphasize interaction with students and immediate application of new knowledge through presentations, interactive workshops and mock grant proposals.

Satellite/Ancillary Events

SAT23. Next Generation Computational Psychiatry

Location: The Congress Plaza Hotel & Convention Center

Time: Friday, October 18, 2019, 9:00 AM - 5:30 PM

Satellite Organizer: C. Carrin;
Computational Psychiatry.

The Congress Plaza Hotel & Convention Center. We are pleased to invite junior and senior scientists, students, clinicians, and enthusiasts to attend our annual event. Keynote speakers include Dr. Martin Paulus and Dr. Helen Mayberg. For more information visit computationalpsychiatry.org or contact events@computationalpsychiatry.org

Satellite/Ancillary Events

SAT24. Fourth International Symposium on Sigma-2 Receptors

Location: Center for Translational Research and Education - Loyola Health Science Campus, Maywood, IL

Time: Friday, October 18, 2019, 9:00 AM - 3:00 PM

Satellite Organizer: A. Sherwood;
Cognition Therapeutics.

Center For Translational Research and Education - Loyola Health Science Campus, Maywood, IL. Recent advances in the molecular identification of the sigma-2 receptor as TMEM97 and the role of PGRMC1 in its function are opening new areas of discovery. This satellite symposium highlights the roles of the sigma-2/PGRMC1 receptor complex in clinically important CNS areas such as synaptic regulation, pain, metabolic activity and oncology, which are relevant to treating a diverse range of neurological diseases from cancer to Alzheimer's disease with discoveries from cells to the clinic.

Satellite/Ancillary Events

SAT25. Induction and Resolution of CNS Neuroinflammation and Neurotoxicity

Location: Loyola University Chicago: Water Tower Campus Regents Hall

Time: Friday, October 18, 2019, 8:45 AM - 5:30 PM

Satellite Organizer: M. Collins;
Loyola University Chicago.

Loyola University Chicago: Water Tower Campus Regents Hall. This satellite sponsored by the Neurotoxicity Society is at Regents Hall in Loyola University Water Tower Campus, 111 E. Pearson St., Chicago IL. There will be presentations by researchers studying neuroinflammation and neurosenescence associated with neurotoxicity in experimental CNS models and diseases, with an interest in clarifying underlying induction and resolution mechanisms that might identify unique therapeutic approaches. Research posters also accepted and discussed. Registration by

Oct. 7 with Dr. Jean Harry (harry@niehs.nih.gov) includes fee of \$25 (faculty and postdoctoral fellows) or \$15 (students).

Satellite/Ancillary Events

SAT26. J.B. Johnston Club for Evolutionary Neuroscience

Location: The University Center

Time: Friday, October 18, 2019, 8:00 AM - 9:00 PM

Satellite Organizer: E. Catania;

Vanderbilt University.

The University Center. The JBJC meeting will take place October 17th and 18th at the University Center, Chicago IL. The topic of the 31st Annual Karger Workshop on the 17th is "Evolution of natural and drug-sensitive reward in addiction", organized by Robert Huber. On the 18th, the meeting will feature short presentations by members. Information is available on the website (jbjclub.org). Contact: Elizabeth Catania, PEO. jbjclub1980@gmail.com

Satellite/Ancillary Events

SAT27. Neuroscience of Movement Disorders

Location: Room: N227

Time: Friday, October 18, 2019, 7:00 AM - 5:00 PM

Satellite Organizer: D. Standaert;

University of Alabama at Birmingham.

Room: N227. An introduction to principles, basic knowledge, and unanswered questions important to the field of Movement Disorders. This year's course will cover dystonia, chorea, and ataxia, including Huntington disease and other triplet repeat diseases. The course is intended for basic and translational scientists. The faculty consists of clinicians, basic scientists and translational experts. Course Directors: David Standaert dstandaert@uabmc.edu and Talene Yacoubian tyacoubian@uabmc.edu.

Satellite/Ancillary Events

SAT28. New Perspectives on Cerebellar Function: Implications for Mental Health

Location: Marriott Marquis - Great Lakes A

Time: Friday, October 18, 2019, 8:30 AM - 5:00 PM

Satellite Organizer: A. Rossi;

National Institute of Mental Health.

Marriott Marquis: Great Lakes A. Research suggests that the cerebellum plays a significant role in cognitive, emotional, and social processes, and its dysfunction has been linked to a variety of psychiatric disorders. This symposium will bring together experts in basic and translational neuroscience to discuss the state of the field and identify opportunities to advance our understanding of how the cerebellum contributes to cognition, emotion, and social behavior in both healthy and psychiatric populations.

Satellite/Ancillary Events

SAT29. Orofacial Functions: from Neural Mechanisms to Rehabilitation

Location: Shirley Ryan Ability Lab, 355 E. Erie St. Chicago

Time: Friday, October 18, 2019, 8:30 AM - 5:00 PM

Satellite Organizer: K. Takahashi;
University of Chicago.

Shirley Ryan Ability Lab, 355 E. Erie St. Chicago. Orofacial functions (e.g., chewing, swallowing, speaking) are complex, life-sustaining sensorimotor behaviors controlled by the central and peripheral nervous systems. These functions are impaired in many neurological diseases or following injury, with no age or gender boundaries. The symposium will provide insights into latest discoveries in neural mechanisms underlying orofacial functions and rehabilitation in humans and animals.

<http://home.uchicago.edu/~kazutaka/SfN2019Satellite.html>

Satellite/Ancillary Events

SAT30. Sleep-Dependent Memory Consolidation: Bridging Replay and Reactivation

Location: Northwestern Chicago Campus

Time: Friday, October 18, 2019, 1:00 PM - 7:00 PM

Satellite Organizer: E. Schechtman;
Northwestern University.

Northwestern Chicago Campus. The offline reactivation of memory traces is widely accepted as a fundamental mechanism of memory consolidation. This satellite symposium will highlight research on replay in animals and targeted memory reactivation in humans with the goal of creating connections and collaborations between replay and reactivation scientists, establish a common theoretical framework and generate testable hypotheses regarding sleep-related consolidation. For details visit: goo.gl/ckbe8R. Registration is required.

Satellite/Ancillary Events

SAT31. Using NEURON to Model Cells and Networks

Location: www.neuron.yale.edu/neuron/courses

Time: Friday, October 18, 2019, 9:00 AM - 5:00 PM

Satellite Organizer: T. Carnevale;
Yale Univ Sch Med.

www.neuron.yale.edu/neuron/courses. This course is suitable for current or potential users at all levels of expertise. Topics covered include basic concepts, workflow for building and using models, speeding up simulations with parallel hardware from multicore personal computers to supercomputers, using Python with NEURON (including NEURON's GUI), and modeling reactive diffusion. For more information or to apply visit <http://www.neuron.yale.edu/neuron/courses> or contact Ted Carnevale at ted.carnavale@yale.edu

Satellite/Ancillary Events

SAT32. Chinese Neuroscientists Social

Location: Marriott Marquis - Great Lakes F

Time: Saturday, October 19, 2019, 6:30 PM - 9:00 PM

Satellite Organizer: L. Wu;
Mayo Clinic.

Marriott Marquis: Great Lakes F. The Society for Chinese Bioscientists in America (SCBA) and Society for Chinese Neuroscientist (SCN) invite all 2019 SfN attendees to this annual social event. Attendees will have opportunities to interact with distinguished Chinese neuroscientists and colleagues. This is a great opportunity to network, see old friends and make new ones. Food and drinks will be offered. All SfN attendees who are of Chinese or non-Chinese origin are welcome.

Satellite/Ancillary Events

SAT33. Diving DEAP into Adolescent Brain and Cognitive Development (ABCD) Study Data

Location: Hyatt McCormick - Regency Ballroom C

Time: Saturday, October 19, 2019, 6:30 PM - 9:30 PM

Satellite Organizer: S. Grant;
NIDA.

Hyatt McCormick - Regency Ballroom C. This workshop will provide an introduction to the use of the web-based Data Exploration and Analysis Portal (DEAP) for analysis of the Adolescent Brain and Cognitive Development (ABCD) study. ABCD is an NIH funded 10 year longitudinal study of nearly 12,000 children. There will be seven didactic presentations on ABCD study design, measures, data access, and data analysis using DEAP. The remaining time will be devoted to discussion. To register, email: AdolescentBrain@mail.nih.gov

Satellite/Ancillary Events

SAT34. Exploring Brain Cell Type Diversity with The Allen Brain Explorer and Allen Cell Types Database

Location: Hyatt McCormick - Grant Park AB

Time: Saturday, October 19, 2019, 8:00 AM - 10:30 AM

Satellite Organizer: K. Casimo;

Allen Institute.

Hyatt McCormick: Grant Park AB. The Allen Brain Atlas includes a suite of tools and datasets that provide comprehensive access to human and mouse cell types, including standardized transcriptomic, electrophysiological, and morphological data. Allen Institute scientists will review the scientific background that motivated creation of these datasets, experimental methodologies, and lead an interactive demonstration on how to access new tools and more data. For more information and to register, visit alleninstitute.org/sfn19.

Satellite/Ancillary Events

SAT35. Exploring the Mouse Visual System: The Allen Brain Observatory

Location: Hyatt McCormick - Grant Park CD

Time: Saturday, October 19, 2019, 8:00 AM - 10:30 AM

Satellite Organizer: K. Casimo;

Allen Institute.

Hyatt McCormick: Grant Park CD. The Allen Brain Observatory is an open resource featuring physiological activity in the visual cortex of the awake behaving mouse. Allen Institute scientists will review the scientific background that motivated the creation of these datasets, experimental methodologies, and will lead an interactive demonstration on how to access, visualize, and analyze the data. Some experience with Python is recommended. For more information and to register, visit alleninstitute.org/sfn19.

Satellite/Ancillary Events

SAT36. Friends of Case Western Reserve University and Cleveland Clinic Social

Location: Marriott Marquis - Great Lakes A

Time: Saturday, October 19, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: C. Miller;

Hathaway Brown School.

Marriott Marquis: Great Lakes A. All current and previous students, staff, faculty, and friends of Case Western Reserve University and/or Cleveland Clinic are invited to attend The Friends of Case Western Reserve University and Cleveland Clinic Social. We would like to encourage networking and foster new collaborations between Cleveland institutions and alumni everywhere.

Satellite/Ancillary Events

SAT37. FTD Social

Location: Marriott Marquis - Shedd AB

Time: Saturday, October 19, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: D. Niehoff;

The Association For Frontotemporal Degeneration.

Marriott Marquis: Shedd AB. The Association for Frontotemporal Degeneration (AFTD) and co-sponsoring nonprofit organizations invite all annual meeting attendees with an interest in FTD disorders to join us for the 3rd annual FTD Social. Enjoy awesome appetizers and drinks while networking with old friends or new colleagues and learn about funding opportunities in FTD research. Students, postdoctoral fellows, early-career researchers, and newcomers to the FTD field are especially encouraged to attend.

Satellite/Ancillary Events

SAT38. g.tec's Brain-Computer Interface (BCI) Workshop

Location: Room: N230b

Time: Saturday, October 19, 2019, 6:30 PM - 10:00 PM

Satellite Organizer: C. Guger;

g.tec Neurotechnology GmbH.

Room: N230b. Learn how to use non-invasive and invasive brain-computer interface technology for rehabilitation, control and brain assessment and see high-performance BCIs in action. The workshop will show state-of-the-art hardware and software solutions including wet, dry and hybrid EEG electrodes, wireless EEG, signal processing and classification algorithms. Furthermore, new application areas will be explained and the BCI Hackathon series, the BCI Award and the Unicorn platform will be explained.

Satellite/Ancillary Events

SAT39. Light-Sheet Fluorescence Microscopy: A Key Tool for 3D Imaging of Neuronal Samples

Location: Marriott Marquis - Water Tower AB

Time: Saturday, October 19, 2019, 6:30 PM - 10:00 PM

Satellite Organizer: J. Celentano;
Bruker.

Marriott Marquis: Water Tower AB. Light-sheet microscopy provides an excellent tool for imaging large neuronal samples at high throughput and high resolution. This symposium will celebrate research using this technique and the recent advances in tissue-clearing methods that enable 3D imaging beyond the possibilities of other microscopy techniques. Join us to learn from a variety of presenters who will discuss their research, sample preparation and data analysis with a hosted reception to follow.

Satellite/Ancillary Events

SAT40. Machine Learning in Quantitative Stereology and Neurohistology

Location: Room: N227

Time: Saturday, October 19, 2019, 6:30 PM - 9:00 PM

Satellite Organizer: D. Peterson;
Rosalind Franklin University.

Room: N227. Quantifying CNS composition is critical for evaluating significant changes over time or after injury/treatment, but numbers are traditionally obtained by human observation. Machine learning makes it possible to train software to recognize and quantify cells of interest. Talks address automated image data set acquisition and analysis by machine learning-assisted image analysis and stereology. Details at www.neurorenew.com. In cooperation with the Intl. Society for Stereology and Image Analysis.

Satellite/Ancillary Events

SAT41. NSG and HPAC - Large Scale Simulations and Data Processing

Location: Micro Tek Training Room

Time: Saturday, October 19, 2019, 8:30 AM - 10:30 AM

Satellite Organizer: A. Majumdar;
University of California San Diego.

Micro Tek Training Room. The Neuroscience Gateway (NSG <https://www.nsgportal.org/>) eliminates administrative and technical barriers, provides free supercomputing time to users, and easy access to widely used neuroscience simulation and data processing tools. The Human Brain Project's High Performance Analytics and Computing Platform (HPAC <https://hbp-hpc-platform.fz-juelich.de/>) provides extensive HPC support for the HBP community. The workshop will bring users and developers of tools that use NSG and HPAC.

Satellite/Ancillary Events

SAT42. The Need for Translational and Basic Research in Migraine

Location: Room: N230a

Time: Saturday, October 19, 2019, 7:30 AM - 10:00 AM

Satellite Organizer: F. Godley;
Association of Migraine Disorders.

Room: N230a. This migraine discussion group will debate opportunities for basic research to preclinical animal models. The members of the Association of Migraine Disorders Research Roundtable share collaborative and translation research ideas. Migraine is a great source of unanswered questions as well as untapped funding. The goals are to show young researchers that many basic research specialties are relevant to this common, debilitating disease and to grow and strengthen the Migraine Research Community.

Satellite/Ancillary Events

SAT43. University of Illinois at Urbana-Champaign - 2019 NSP Reception

Location: Marriott Marquis - Marina City

Time: Sunday, October 20, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: S. Pregent;
U Illinois Urbana-Champaign.

Marriott Marquis: Marina City. Meet and greet with old friends, alums, faculty, new students, at the 2019 NSP Reception. Faculty and graduate students will be available to talk about the current status of the Program or just welcome back alum and previous faculty members. Come enjoy some good food, good company, and great conversation.

Satellite/Ancillary Events

SAT44. Arab Neuroscientists Social

Location: Room: S503a

Time: Sunday, October 20, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: Y. El-Shamayleh;
Society for Arab Neuroscientists.

Room: S503a. This is the Society for Arab Neuroscientists' (SfAN) 14th annual meeting. SfAN's mission is (1) to foster professional networking between Arab neuroscientists in academia and industry; (2) to recognize excellence and innovation in the field by Arab scientists; (3) to promote neuroscience education in the Arab world, and to leverage support for research and development in the region. For up to date information about the event, visit the SfAN website: <http://www.arabneuroscientists.org/>

Satellite/Ancillary Events

SAT45. ASPET Neuropharmacology Reception

Location: Marriott Marquis - Great Lakes A

Time: Sunday, October 20, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: M. Huston;
ASPET.

Marriott Marquis: Great Lakes A. The Neuropharmacology division of the American Society for Pharmacology and Experimental Therapeutics (ASPET) invites faculty, postdocs, students, and others who have an interest in this or related disciplines to a special reception. This networking opportunity is designed for neuropharmacologists to socialize with like-minded scientists. Join us to meet those who are making neuropharmacology exciting. Light refreshments and libations will be provided. Learn more about ASPET at www.aspet.org

Satellite/Ancillary Events

SAT46. Boston University Graduate Program for Neuroscience Social

Location: Marriott Marquis - Great Lakes E

Time: Sunday, October 20, 2019, 7:00 PM - 10:00 PM

Satellite Organizer: S. Grasso;
Boston University.

Marriott Marquis: Great Lakes E. The Boston University Graduate Program for Neuroscience invites students, faculty, alumni, prospective students and friends to join us at our 8th annual reception at SfN.

Satellite/Ancillary Events

SAT47. Dutch Neuroscience Social 2019

Location: Marriott Marquis - Great Lakes F

Time: Sunday, October 20, 2019, 7:00 PM - 10:00 PM

Satellite Organizer: S. Kushner;
Erasmus MC.

Marriott Marquis: Great Lakes F. The annual Dutch Neurofederation social is the informal get-together for Dutch Neuroscientists all over the world. This social is a great opportunity for Dutch postdoctoral fellows, graduate students, and staff neuroscience to meet informally and exchange information about neuroscience in the Netherlands and international neuroscience experiences.

Moreover, postdocs and graduate students who are considering careers in neuroscience in the Netherlands can meet scientists from diverse settings. See you there.

Satellite/Ancillary Events

SAT48. Human Single Neuron Social

Location: Hyatt McCormick - Regency Ballroom B

Time: Sunday, October 20, 2019, 6:30 PM - 9:00 PM

Satellite Organizer: F. Solzbacher;
Blackrock Microsystems.

Hyatt McCormick: Regency Ballroom B. Join us at the Human Single Neuron Social at SfN. Take some time to mingle with other researchers doing single unit recordings in humans and listen to some brief presentations on research findings during the Human Single Neuron Conference's off year.

Satellite/Ancillary Events

SAT49. Ernst Strüngmann Forum Social

Location: Marriott Marquis - Great Lakes G

Time: Sunday, October 20, 2019, 6:30 PM - 9:30 PM

Satellite Organizer: J. Lupp;
Ernst Strungmann Forum.

Marriott Marquis: Great Lakes G. "A funny thing happened on the way to the Forum" ...not to mention during or after the last ES Forum! Join us for an evening of conversation and reconnect with colleagues. All are welcome.

Satellite/Ancillary Events

SAT50. Green and Open Neurosciences Symposium & Soiree

Location: Marriott Marquis - Glessner House AB

Time: Monday, October 21, 2019, 6:30 PM - 9:30 PM

Satellite Organizer: A. Lam;
Physicians Committee For Responsible Medicine.

Marriott Marquis: Glessner House AB. Join the Green Neuroscience Laboratory for a lively symposium focusing on the next steps in green and open neuroscience. Over great food and drinks help us celebrate the 2019 Green and Open Neurosciences Hero Awardees for their significant contributions in forwarding neuroscience in the following areas: open science, environmental sustainability, human-based approaches, neurodiversity and addressing

disparities. Awardees will give brief presentations. Mixer and music to follow. Register at: http://greenneuro.org/sfn_19/

Satellite/Ancillary Events

SAT51. International Behavioral Neuroscience Society (IBNS) Social

Location: Marriott Marquis - Great Lakes B

Time: Sunday, October 20, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: M. Van Wagner;
IBNS.

Marriott Marquis: Great Lakes B. Are you interested in behavioral neuroscience? Join us for the IBNS Networking Event — open to all SFN attendees! The International Behavioral Neuroscience Society meets annually to discuss the latest topics in behavior and brain function in Glasgow, Scotland, June 2-6, 2020. Network with experts in your field and learn about the annual IBNS meeting, travel awards, and more. www.ibnsconnect.org #IBNSconnect #IBNS2020

Satellite/Ancillary Events

SAT52. NIH Funding and You: A Practical Guide for a Trainee to Survive and Thrive in Your Research Career

Location: Hyatt McCormick - Regency Ballroom A

Time: Sunday, October 20, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: M. Jones-London;
NIH/NINDS.

Hyatt McCormick: Regency Ballroom A. This workshop will discuss factors NIH neuroscience Institute staff have found to be important to the success of trainees in the realm of both training itself and grant writing. Funding opportunities and the mechanisms that contribute to successful and unsuccessful grant applications will be discussed. Brief talks will be followed by an extensive question and answer session.

Satellite/Ancillary Events

SAT53. Spectrum Social Event

Location: Marriott Marquis - Water Tower A

Time: Sunday, October 20, 2019, 6:30 PM - 8:00 PM

Satellite Organizer: A. Alam;
Simons Foundation.

Marriott Marquis: Water Tower A. Join the Spectrum news team for food and drinks at the 2019 Society for Neuroscience meeting. Connect with others in the autism research community, engage in a roundtable debate, or share a one-minute thesis in our video booth. For more details, contact claire@spectrumnews.org.

Satellite/Ancillary Events

SAT54. Stanford Neurosciences Reception

Location: Marriott Marquis - Great Lakes C

Time: Sunday, October 20, 2019, 6:30 PM - 8:00 PM

Satellite Organizer: K. Diamond;
Stanford University.

Marriott Marquis: Great Lakes C. Alumni, faculty, students, postdocs, and guests of the Stanford Neurosciences Program are invited to renew old friendships and promote future collaborations.

Satellite/Ancillary Events

SAT55. The Logothetis Lab Alumni, Colleagues and Friends Social

Location: Marriott Marquis - Water Tower B

Time: Sunday, October 20, 2019, 6:30 PM - 10:00 PM

Satellite Organizer: G. Keliris;
University of Antwerp.

Marriott Marquis: Water Tower B. Since the late 1980s, Professor Nikos Logothetis remains one of the most influential neuroscientists. He has authored many groundbreaking discoveries and highly cited publications and his dedication to science inspired many and keeps attracting bright minds. He has over 150 collaborators and over 30 of his trainees became professors around the world. This social aims at gathering together everybody who shares the Logothetis' attitude to science. Join us and bring a Logothetis story with you.

Satellite/Ancillary Events

SAT56. The Third Symposium on Multiple Slice Recordings

Location: Room: S403

Time: Sunday, October 20, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: H. Lohmann;
Dr. Lohmann Diaclean GmbH.

Room: S403. A limiting factor of the brains slices technique is the low tissue throughput. E.g., when working on LTP and LTD as model for learning and memory, a higher throughput of slices

is essential. In the present symposium researchers will demonstrate, how to overcome this problem by using the multiple slice evaluation system Synchroslice. Furthermore, extensions of the multiple slice recordings technique using optogenetic stimulation, or by combining multiple Synchroslice systems will be discussed.

Satellite/Ancillary Events

SAT57. Tools & Tech: A BRAIN Initiative Alliance Social

Location: Hyatt McCormick - Regency Ballroom CD

Time: Sunday, October 20, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: S. Albin;
The Kavli Foundation.

Hyatt McCormick: Regency Ballroom CD. Sponsored by the BRAIN Initiative Alliance: Interested in cutting-edge neuroscience tools & technology? Come 'talk shop' with some of the leading toolmakers funded by the US BRAIN Initiative. Through the BRAIN Initiative, a broad array of these tools and resources are becoming available to the research community. This informal and interactive social is open to all SfN attendees. For a list of confirmed featured scientists and other updates visit: www.braininitiative.org/events/sfn-social/

Satellite/Ancillary Events

SAT58. University of Chicago Neuroscience 16th Annual Social

Location: Chicago Athletic Association

Time: Sunday, October 20, 2019, 6:30 PM - 9:00 PM

Satellite Organizer: E. Rizzo;
University of Chicago.

Chicago Athletic Association. The University of Chicago Neuroscience graduate programs invite alumni and friends, new and old, to attend the 16th annual social, to connect and reconnect over drinks and hors d'oeuvres.

Satellite/Ancillary Events

SAT59. 16th Annual Christopher Reeve "Hot Topics" in Stem Cell Biology

Location: Room: S100a

Time: Monday, October 21, 2019, 6:30 PM - 9:30 PM

Satellite Organizer: T. Owens;
Sanford Burnham Prebys Medical Discovery Institute.

Room: S100a. You are invited to the 16th Annual Christopher Reeve "Hot Topics" in Stem Cell Biology, organized by Sanford Burnham Prebys Medical Discovery Institute, The Salk Institute, The Scripps Research Institute and The University of California, San Diego. In this perennially popular "data blitz" format satellite symposium, you will hear 10-15 minute short presentations by multiple investigators, each telling a single story. Each talk will be followed by lively discussion and debate. Free food and beverage will be plentiful throughout the evening.

Satellite/Ancillary Events

SAT60. 2019 Taiwan Night

Location: MingHin Cuisine (Chinatown, 2168 S Archer Ave, Chicago)

Time: Monday, October 21, 2019, 6:30 PM - 9:30 PM

Satellite Organizer: Y. Huang;

Academia Sinica/Institute of Biomedical Sciences.

MingHin Cuisine (Chinatown, 2168 S Archer Ave, Chicago). The Taiwan Neuroscience Society welcomes SfN participants to join this gathering. Come to wire and connect your Formosa circuit with Taiwanese neuroscientists. We look forward to seeing you at the event.

Satellite/Ancillary Events

SAT61. Association of Korean Neuroscientists: Annual Meeting and Social

Location: Contact organizer for location

Time: Monday, October 21, 2019, 6:30 PM - 9:30 PM

Satellite Organizer: Y. Kim;

Burnet School of Biomedical Sciences.

Contact organizer for location. In order to foster networking and collaboration among Korean neuroscientists, the Association of Korean Neuroscientists in America (AKN) organizes this annual social and dinner meeting for those attending SfN. All Korean scientists and students from America, Korea, and other countries are welcome to join the event. Check the AKN website (akneuro.org/cms) for updated information on the agenda, location, time, and registration. Contact: Yoon-Seong Kim (yoons-seong.kim@ucf.edu) with any questions.

Satellite/Ancillary Events

SAT62. Cerebral Open flow Microperfusion - A Novel Approach to in Vivo Fluid Sampling

Location: Marriott Marquis - Shedd AB

Time: Monday, October 21, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: L. Elolf;

BASi.

Marriott Marquis: Shedd AB. Cerebral open flow microperfusion (cOFM) is a novel membrane-free fluid sampling technique for sampling of cerebral interstitial fluid and cerebrospinal fluid. Using a membrane-free probe provides access to molecules regardless of molecular size or physico-chemical properties, e.g. therapeutic antibodies. This symposium will describe the OFM sampling technique and feature investigators who will present discoveries and advancements made using the OFM method. Registration is free. Contact Lauren to reserve your spot!

Satellite/Ancillary Events

SAT63. Grass Foundation and Marine Biological Laboratory Co-Hosted Social

Location: Marriott Marquis - Great Lakes G

Time: Monday, October 21, 2019, 6:30 PM - 8:00 PM

Satellite Organizer: J. Aranda;

Grass Foundation.

Marriott Marquis: Great Lakes G. The Grass Foundation, a nonprofit foundation focused on advancing neuroscience, offers the Grass Fellowship Program at the MBL. These fellowships offer the opportunity to conduct independent research with living and research expenses covered. The MBL, an affiliate of the University of Chicago, offers many neuroscience-related summer courses where students learn from internationally-renowned experts and on state-of-the-art equipment. Come and learn more about these unique opportunities!

Satellite/Ancillary Events

SAT64. Iranian Neuroscientists Annual Social Event

Location: Reza Restaurant - 5255 N Clark St. Chicago

Time: Monday, October 21, 2019, 8:00 PM - 10:00 PM

Satellite Organizer: N. Mirzaet;

Cedars-Sinai Medical Center.

Reza Restaurant - 5255 N Clark St. Chicago. The 14th Iranian Neuroscientists' Annual Social Meeting aims to facilitate and encourage networking and scientific collaborations among the expanding community of Iranian neuroscientists. The event is open to all conference registrants, exhibitors, and their guests, and will be held at a local restaurant in Chicago. Details of the venue will be confirmed by email and posted on www.irnsc.com. During dinner, winners of travel awards will be announced and certificates and prizes will be presented.

Satellite/Ancillary Events

SAT65. NanoString Neuroinflammation and Neurodegeneration Social

Location: The ROOF on the Wit

Time: Monday, October 21, 2019, 6:30 PM - 10:00 PM

Satellite Organizer: J. Kuhar;
NanoString.

The ROOF on the Wit. Join us for the 2nd annual NanoString Social. Connect with colleagues and discuss advances in neuropathology and neuroinflammation research. Scientists awarded the NanoString SfN Travel Award will share posters and scientific experts from NanoString will be present to chat about the current landscape of advanced molecular techniques for neuroscience research. Come learn how your peers are using NanoString to advance their research. Come enjoy the company plus appetizers and drinks!

Satellite/Ancillary Events

SAT66. Neurorehabilitation Social

Location: Shirley Ryan Ability Lab, 355 E. Erie St. Chicago

Time: Monday, October 21, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: L. King;
Oregon Health and Science University Department of Neurology.

Shirley Ryan Ability Lab, 355 E. Erie St. Chicago. This 34th annual social invites attendees of SfN with interest in neurological rehabilitation. It is an opportunity for students and postdoctoral fellows to meet scientists interested in clinical neurophysiology, neurology, and rehabilitation with light snacks and drinks. This event is sponsored by APTA, Research Section and ANPT, ASNR, AOTA, AOTF B-Kin, National Center for Neuromodulation for Rehabilitation at MUSC.

Satellite/Ancillary Events

SAT67. Neuroscience, Religion & Cultural Authority

Location: Room: S402

Time: Monday, October 21, 2019, 7:00 PM - 8:30 PM

Satellite Organizer: C. Mathes;
Christian Neuroscience Society.

Room: S402. William Struthers (Wheaton College) will provide this evening presentation sponsored by the Christian Neuroscience Society. Everyone is welcome to attend.

Satellite/Ancillary Events

SAT68. Parkinson's Disease Social

Location: Marriott Marquis - Great Lakes E

Time: Monday, October 21, 2019, 6:30 PM - 8:00 PM

Satellite Organizer: J. Beck;
Parkinson's Foundation.

Marriott Marquis: Great Lakes E. The Parkinson's Disease Social, supported by the Parkinson's Foundation, is an opportunity for those who are interested in Parkinson's disease (PD) research to interact and network. Past and present awardees, researchers new to PD, and attendees of the 2019 PD Gordon Conference and Seminar are especially welcome. Foundation staff will be available to answer questions about research funding, particularly for young investigators. Editors of the journal *npj Parkinson's Disease* will also be present.

Satellite/Ancillary Events

SAT69. Preventing the Climate Catastrophe: What Can Neuroscientists Do?

Location: Marriott Marquis - Great Lakes C

Time: Monday, October 21, 2019, 6:30 PM - 8:00 PM

Satellite Organizer: A. Aron;
UC San Diego.

Marriott Marquis: Great Lakes C. The planet is facing wrenching changes within our lifetimes. A near total consensus amongst climate scientists is that CO₂ emissions must be reduced promptly; yet this is not happening. At this meeting we will discuss the actions a neuroscientist can take. What about our travel? How can we build a community for discussion? How can we incorporate the climate crisis into our teaching and research? How can we advocate within our institutions? How can we support grassroots advocacy and legislation?

Satellite/Ancillary Events

SAT70. Simons Foundation Autism Research Initiative (SFARI) Social

Location: Marriott Marquis - Great Lakes F

Time: Monday, October 21, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: J. Shapiro;
Simons Foundation.

Marriott Marquis: Great Lakes F. All are welcome to join SFARI's Investigators and scientific staff for an evening of socializing and SFARI updates. We welcome newcomers to autism research as well as those already working to uncover the mysteries of autism spectrum disorders. Simons Foundation staff will be available to answer any questions that you may have about the work SFARI funds, the resources we've created for the scientific community, and opportunities for funding.

Satellite/Ancillary Events

SAT71. Sleep and Circadian Biology DataBlitz

Location: Marriott Marquis - Great Lakes AB

Time: Monday, October 21, 2019, 8:00 PM - 10:00 PM

Satellite Organizer: A. Laposky;
National Institutes of Health.

Marriott Marquis: Great Lakes AB. The Sleep and Circadian Biology DataBlitz is an event for SfN attendees to meet with researchers in related disciplines. Rapid presentations (one minute, one slide) and an honorary two minute plenary presentation will highlight recent research developments. Representatives from the National Center on Sleep Disorders Research and NIH Institutes will be present to discuss future research directions and support mechanisms. There is no charge/registration for SfN annual meeting participants.

Satellite/Ancillary Events

SAT72. The 9th Annual International Society for Serotonin Research Mixer

Location: Highline Bar and Lounge, 169 W. Kinzie St.

Time: Monday, October 21, 2019, 6:30 PM - 8:00 PM

Satellite Organizer: K. Berg;
University of Texas Health Science Ctr San Antonio.

Highline Bar and Lounge, 169 W. Kinzie St. Join ISSR Monday, October 21, 2019 from 6:30 - 8 p.m. for great food, beer, wine and some collegial “mixing” at the Highline Bar and Lounge, 169 W Kinzie Street. ISSR members and non-members alike are welcome. The cost is \$15 per person (payable in cash at the door) and includes hearty appetizers with two drink tickets. Space is limited, register yourself and guests and find answers to any questions by sending an email to Dr. John Neumaier (neumaier@uw.edu).

Satellite/Ancillary Events

SAT73. Washington University in St. Louis Neuroscience Reception

Location: Reggies Chicago

Time: Monday, October 21, 2019, 6:30 PM - 9:00 PM

Satellite Organizer: C. McKee;
Washington University In St Louis.

Reggies Chicago. Join us in forming and renewing friendships and collaborations between past and present professors, postdoctoral fellows, and students. Prospective graduate students and

postdoctoral fellows are also welcome to mingle and learn about current developments and future directions. Refreshments and hors d'oeuvres will be served to aid in the merriment.

Satellite/Ancillary Events

SAT74. 2019 Friends of Iowa Neuroscience

Location: Adler Planetarium

Time: Tuesday, October 22, 2019, 6:30 PM - 9:30 PM

Satellite Organizer: M. Lawler;

Iowa Neuroscience Institute.

Adler Planetarium. The Iowa Neuroscience Institutes invites all Friends of Iowa Neuroscience to join us for food, drinks and fun Tuesday, Oct. 22, 6:30-9:30 at Chicago's Adler Planetarium.

Satellite/Ancillary Events

SAT75. Introduction to the Brain Image Library

Location: Room: S503b

Time: Tuesday, October 22, 2019, 6:30 PM - 10:00 PM

Satellite Organizer: A. Ropelewski;

Carnegie Mellon University.

Room: S503b. This workshop will introduce the Brain Image Library, a shared reference collection of brain research image datasets representing multiple high-quality optical imaging methods captured at a variety of resolutions by research labs to neuroscience investigators. Topics to be covered within the workshop will include how to contribute data to the library as well as how to analyze, mine, and interact with the contributed data on high-performance visualization and computing resources.

Satellite/Ancillary Events

SAT76. The Science Bridge and Middle Eastern Neuroscientists Social

Location: Marriott Marquis - Shedd AB

Time: Tuesday, October 22, 2019, 6:30 PM - 8:00 PM

Satellite Organizer: N. Klein;

Ichan School of Medicine at Mount Sinai.

Marriott Marquis - Shedd AB. The Science Bridge invites neuroscientists who work or train in either middle-eastern universities or elsewhere for a social gathering to promote neuroscience research, education, collaborations, and open communication in the Middle East. A main goal is to promote the Science Bridge Initiative (<https://thesciencebridge.org>). Graduate students and

post-docs are particularly welcome. Huda Akil and Eric Nestler, Bitu Moghaddam, and Peter Kalivas are our special guests.

Satellite/Ancillary Events

SAT77. Understand Nature's Complexity with the UltraMicroscope II and the MACSima Imaging Platform

Location: Room: N230b

Time: Tuesday, October 22, 2019, 6:30 PM - 9:00 PM

Satellite Organizer: B. Lechner;
Miltenyi Biotec GmbH.

Room: N230b. The MACSima Platform for ultrahigh content imaging offers fully automated cyclic immunofluorescent analysis of hundreds of markers on a single sample. The UltraMicroscope II light sheet system opens new ways to study entire large biological samples in 3D. Together, these technologies enable the rapid and precise identification and characterization of antigens and proteins for target discovery or in developmental biology. The symposium provides insights on the usage and benefits of the systems.

Satellite/Ancillary Events

SAT78. Wearable Sensing Solutions for Integrated Dry Electrode EEG/EXG, Motion Capture, and Eye Tracking

Location: Hyatt McCormick - Alder ABC

Time: Tuesday, October 22, 2019, 6:30 PM - 9:00 PM

Satellite Organizer: M. Elliott;
Wearable Sensing.

Hyatt McCormick: Alder ABC. This workshop features Wearable Sensing's wireless, ambulatory, VR-ready, high-fidelity dry electrode EEG and fNIR technology and Neuracle's mobile 64-channel EEG system as well as TEAErgo's CAPTIV and Neurolab software for real-time acquisition of multimodal signals including EEG, EMG, ECG, IMU motion tracking, Eye-tracking, respiration, and GSR. We will present applications of the technologies and demonstrate the sensors and systems' ease-of-use and signal quality. info@wearablesensing.com

Satellite/Ancillary Events

SAT79. Neuroscience in Germany

Location: The Palmer House Salons 4-6, 17 E. Monroe, Chicago

Time: Monday, October 21, 2019, 7:30 PM - 10:00 PM

Satellite Organizer: S. Classen;
Research in Germany.

The Palmer House, Salons 4-6 17, E. Monroe, Chicago. The annual German social follows after the DFG Leibniz Lecture with Prof. Dr. Brigitte Röder and facilitates an exchange of ideas, contacts, and information for scientists interested in research cooperation. Come, mingle, network and get in touch with German research.

Satellite/Ancillary Events

SAT80. DFG Leibniz Lecture with Prof. Dr. Brigitte Röder

Location: The Palmer House Salons 3, 17 E. Monroe, Chicago

Time: Monday, October 21, 2019, 6:30 PM - 7:30 PM

Satellite Organizer: S. Classen;
Research in Germany.

The Palmer House Salons 3, 17 E. Monroe, Chicago. The Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) is honored to present a Leibniz Lecture by Prof. Dr. Brigitte Röder from the University of Hamburg, Germany, winner of the prestigious Gottfried Wilhelm Leibniz Prize. The talk is on "Sensitive Period Plasticity in Humans" and will demonstrate how infant and adult learning differ and will speculate how this difference in learning mechanisms might result in sensitive period.

Satellite/Ancillary Events

SAT81. JAX Breakthrough Breakfast

Location: Marriott Marquis - Shedd AB

Time: Monday, October 21, 2019, 8:00 AM - 9:00 AM

Satellite Organizer: Liam Pitchford;
DC.

Marriott Marquis-Shedd AB. The Jackson Lab will host a breakfast, including the presentation: Sensitivity and reliability of electrophysiology biomarkers in mouse models for neuromuscular diseases, with time for questions or discussion.

Satellite/Ancillary Events

SAT82. ACD 2019 Neuroscience Symposium: Join us to Learn about the Latest Innovation in Spatial Genomics

Location: Hyatt McCormick - Grant CD

Time: Monday, October 21, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: S. Saenz;
Bio-Techne.

Hyatt McCormick: Grant CD. ACD invites neuroscience professionals, early-stage and experienced scientists to network, share, exchange information and inspire each other with ideas while learning about the RNAscope™ in situ hybridization technology from high caliber scientific discussions and the symposium speaker presentations. Come to meet our guest speakers and participate in active Q&A, followed by a reception of appetizers and wine tastings.

Satellite/Ancillary Events

SAT83. NIDA Early Career Symposium

Location: Room: S104

Time: Monday, October 21, 2019, 6:30 PM - 9:30 PM

Satellite Organizer: R. Sorensen;
NIH.

McCormick Place: S104. This symposium will feature presentations from staff at the National Institute on Drug Abuse (NIDA) describing fellowship (F30, F31, F32, F99/K00), institutional appointment (T32, R25, K12), mentored career development award (K01, K08, K23, K25, K99/R00), and independent research grant (R01, DP2, R03, and R21) applications, opportunities for international students, and postdoctoral opportunities in NIH laboratories. Presentations are accompanied by a Q&A session and interactions with NIDA staff.

Satellite/Ancillary Events

SAT84. Long-Term Memory Encoding and Connectome Decoding Meetup

Location: Hyatt McCormick - Jackson Park AB

Time: Tuesday, October 22, 2019, 6:30 PM - 9:00 PM

Satellite Organizer: Randal Koene;
CA

Hyatt McCormick - Jackson Park AB. This meetup will debate current models of long-term learning and memory encoding at the synaptic and molecular level. A short award ceremony will honor exciting recent experiments that support or refute textbook models. A moderated panel will then address this year's meetup question: Can we decode long-term memories from the connectome? This meetup is an opportunity for neuroscientists to debate the topic in front of their peers, and concludes in a social with catered snacks and drinks.

Satellite/Ancillary Events

SAT85. Friends of the University of Rochester Del Monte Institute for Neuroscience Social

Location: Tappas Valencia

Time: Monday, October 21, 2019, 6:30 PM - 8:30 PM

Satellite Organizer: Kathleen Jensen;
NY

Tappas Valencia. The University of Rochester Neuroscience Graduate Program, in conjunction with the Ernest J Del Monte Institute for Neuroscience welcome all current and previous students, faculty, and friends to this second annual social gathering. Tappas Valencia. Join us to renew old friendships and promote future collaborations. Prospective graduate students and postdoctoral fellows are also welcome to mingle and learn about current developments and future directions. Drinks and hors d'oeuvres will be served.

Satellite/Ancillary Events

SAT86. Advancing Neuroscience with Sim4Life and Neuro-Functionalized Phantoms

Location: Hyatt McCormick - Alder ABC

Time: Monday, October 21, 2019, 6:30 PM - 9:30 PM

Satellite Organizer: *M. Oberle;
ZMT Zurich Medtech AG, Switzerland

Hyatt McCormick - Adler ABC. The availability of high-resolution neuro-functionalized male and female virtual anatomical phantoms in Sim4Life, together with the ability to model the anisotropy of nerve tissue, enables researchers for the first time to simulate the mechanisms and optimization of neurostimulation treatments and to ensure safety of corresponding devices. It will be shown how computational modeling and simulations with Sim4Life can advance the development of new bioelectronic medical devices and therapies.