



# AES2020

## AT-A-GLANCE MEETING GUIDE

THE AT-A-GLANCE MEETING GUIDE  
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# AES2020

## LET'S GET STARTED

The American Epilepsy Society recommends that you login to the virtual platform at least ninety minutes prior to your first session or event to familiarize yourself with the platform features.

**TYPE THIS IN YOUR BROWSER:** [aes2020.hubb.me](https://aes2020.hubb.me)

Please use Chrome 42.0, Firefox 34.0 or higher, Internet Explorer 9.0 or higher, Safari, or Edge for the best experience.

**LOGIN:** email address and Registration ID

Find your Registration ID in your AES2020 credentials email sent the week of November 30th.

## UPDATE YOUR PROFILE

Once logged in, click on your name in the upper right-hand corner, then click on "My Profile."

## BUILD YOUR SCHEDULE

Click SESSIONS tab on the left side navigation bar, review program, and click the blue "Add to Schedule" or "Reserve Seat" button on the right to begin building your personal schedule.

## NEED HELP?

### Registration:

[aes@maritz.com](mailto:aes@maritz.com)

864-208-2452

Monday through Friday

9:00 AM-5:00 PM (EST)

### Technical Support:

[support@hubb.me](mailto:support@hubb.me)

### AES Concierge:

[membership@aesnet.org](mailto:membership@aesnet.org)

312-883-3800

## NAVIGATE THE EVENT

### TWO WAYS TO FIND THINGS

Choose and click on your destination from:

- The buttons in the home lobby (the starting page)
- The navigation bar on the left-hand side of your screen

### HOW THINGS ARE ORGANIZED

**Sessions:** Here's where you will find AES symposia, special interest groups, investigators workshops, career development, special lectures, satellite symposia, skills workshops, and more. The speaker directory and evaluation + credit claim are here also.

**Exhibits:** Over 70 companies and organizations are ready to welcome you to their Premier, Leadership, Supporting, Standard, Med Affairs, and Epilepsy Resource booths. Go to the exhibit lobby to find all that, plus Product Theaters, the Career Center, and opportunities to win fabulous prizes!

**Posters:** Your one-stop source for the best in AES2020 science, you can view more than 1,000 posters, take poster tours, participate in platform sessions, and more. Don't miss the scientific exhibits and the special poster session featuring research relating to Better Patient Outcomes through Diversity.

**Get Together:** The networking lounge is waiting for you to visit, and AES2020 special events (award ceremony, AES business meeting, and Wine Event, for starters) request the honor of your presence. AES2020 is about getting together, so come here to get started.

**Short Topics:** Got a minute? We've got bite-sized content for those times when you are between sessions or when some quick learning fills the bill. Watch the schedule for meeting speakers, learning the ropes, the clinical corner, and more.

**And there's more:** Check out the home lobby or left navigation for My Schedule, Event Materials, and a Peer Finder.

## AES2020 Session Descriptions

AES2020 offers high-quality educational programming across diverse work settings, professional roles, and experience levels. Whether you are just starting with the specialty, have a limited background in epilepsy, or are highly fluent with complex topics, you will find sessions and content relevant to your needs.

### Symposia

Provide the major educational activities at the Annual Meeting. Topics range from clinically oriented presentations reviewing common issues in epilepsy to more complex topics combining basic sciences and clinical neurology. While target audiences differ, all symposia include discussion of clinically relevant information.

### Special Lectures

Recognize the accomplishments of distinguished leaders in clinical epilepsy and research. The Judith Hoyer Lecture in Epilepsy is co-sponsored with the National Institute of Neurological Disorders and Stroke and is delivered by the past President of AES. The Lombroso Lecture is given by an invited member who has greatly advanced the collective understanding of epilepsy and is preceded by special presentations from the current year AES Research Award winners in Clinical Science and Basic Science.

### Special Interest Groups (SIG)

Offer information and networking for attendees with similar interests, in sessions organized by AES members. Although the sizes of SIG sessions vary, all lend themselves to active participation and dialogue.

### Investigators Workshops

Highlight exciting developments in basic, translational, and clinical epilepsy research in a format promoting interactive discussion. Speakers include established and junior epilepsy investigators, as well as researchers from other fields.

### Professional Development

Offers mentorship, training, and information geared to early career professionals or anyone considering a career change.

### Dialogues to Transform Epilepsy

This session introduces transformative neurobiological research from outside the epilepsy field, with discussions on how those advances could accelerate progress in epilepsy.

### Epilepsy Fellowship Program Directors Meeting

Provides a forum for current clinical epilepsy program directors, clinical neurophysiology program directors, and those interested in starting an ACGME Fellowship to address challenges in running a program and meeting accreditation requirements. This session will meet ACGME program requirement II.A.4.

### Annual Course

Encourages in-depth exploration of important topics related to epilepsy, focused on clinical care, including review of the science underlying the topics, reviews of clinical research, and discussion of the associated clinical implications.

## AES2020 Symposia

*Advanced Practice Provider (APP) Symposium:*  
Epilepsy Diagnostics and Results Interpretation

*Annual Course:*  
Advances in the Diagnosis and Treatment of Epilepsy in 2020

*Annual Fundamentals:*  
Fundamentally New Ideas in Epilepsy Treatment and Research

*Best Practices in Clinical Epilepsy Symposium:*  
Neurocognitive Disabilities: A Best Practice Overview of Care

*Epilepsy Specialist Symposium:*  
Controversies in Neocortical Epilepsies

*Epilepsy Therapies Symposium:*  
iatrogenicity in Epilepsy Care

*Hot Topics Symposium:*  
Representation of Space and Time in the Medial Temporal Lobe: From Rodents to Humans

*Merritt-Putnam Symposium:*  
Neuromodulation for Seizure Control: Next-Generation Strategies and Devices

*Pediatric State of the Art Symposium:*  
FIRES and NORSE: Current Concepts and Challenges

*Presidential Symposium:*  
Epileptic Encephalopathy: Causes, Treatment, and Outcomes

*Scientific Symposium:*  
Visualization of Epilepsy

*Spanish Symposium:*  
SUDEP and Mortality / SUDEP y Mortalidad

## Special Lectures and Events

18th Judith Hoyer Lecture in Epilepsy: Status Epilepticus: Progress and Challenges

Lombroso Lecture: Intrinsic Brain Networks and Epilepsy: The Next Era of Advanced MR Imaging

Keynote during Hot Topics Symposium: Space and Time in the Medial and Lateral Entorhinal Cortex | Edvard Moser, PhD (Winner of the 2014 Nobel Prize in Physiology or Medicine along with John O'Keefe and May-Britt Moser for their discoveries of cells that constitute a positioning system in the brain)

Dialogues to Transform Epilepsy

NAEC/AES Session on EEG/VEEG and E & M Coding and Other Policy Changes in 2021

Epilepsy Fellowship Program Directors Meeting

Epilepsy in the Time of COVID

Partners Against Mortality in Epilepsy (PAME): The Quest Continues

## Career Development Sessions

*Career Pathways:*  
Interprofessional Careers, Research, Clinical Care

*Career Skills:*  
How to Apply for a Research Job in Academia

*Career Skills:*  
Implicit Bias in Clinical Care and the  
Clinical Workforce

*Career Skills:*  
How to Negotiate

## Special Interest Group (SIG) Sessions

*Basic Mechanisms and Neuroscience of Epilepsy:*  
Glial Regulation of Synaptic Activity: A Role in Epilepsy?

*Children's Hour:*  
Shake, Rattle, and Roll: The Epilepsy-Movement  
Disorder Mishmash

*Clinical Epilepsy for the Advanced Practice Provider:*  
Neurology APP Residency/Fellowship Programs: The Good,  
the Bad, and the Unknown

*Critical Care:*  
CEEG in Hypoxic Brain Injury: From Pontification  
to Evidence-Based Practice

*Data Science in Epilepsy:*  
Ethics in Artificial Intelligence in Epilepsy

*Dietary Therapies for Epilepsy:*  
Patient Monitoring and Biological Mechanisms: Point-  
Counterpoint Discussion

*EEG:*  
Ultra-long-term Seizure Identification Devices

*Engineering and Neurostimulation:*  
Closed-loop Stimulation for Epilepsy: Advances and Challenges

*Epidemiology:*  
More than Simply Seizures: The Somatic and Psychiatric  
Comorbidities of Epilepsy

*Epilepsy and Aging:*  
Epilepsy in Early Alzheimer's Disease: Seizure Burden and  
Shared Pathophysiology

*Epilepsy Education:*  
Educational Scholarship 101: How to Turn Your Education  
Idea into an Educational Research Project

*Epilepsy Surgery:*  
Minimally Invasive, Not Maximally Evasive: Back to the Basics  
of Epilepsy Surgery

*Genetics:*  
Polygenic Risk Score: Ready for Prime Time?

*Global Health:*  
Global Collaboration 101: How, Why, and Where?

*Ictal Semiology:*  
Using Seizure Semiology for Localization of Seizure Onset  
and Ictal Propagation Routes

*Intractable Generalized Epilepsy:*  
Surgical and Neurostimulation Approach in Intractable  
Generalized Epilepsy

*MEG:*  
Can MEG Resolve the Challenges of My Epilepsy Case?

*Neonatal:*  
Bench to Cotside: How Animal Models Can Influence the  
Management of Neonatal Seizures

*Neuroendocrinology:*  
Determining Mechanisms Underlying Bone Comorbidities  
in Epilepsy

*Neuroimaging:*  
MRI-based Network Analyses and Machine Learning Applied  
to Epilepsy

*Neuropharmacology:*  
Wait, Is This Medication Appropriate?: Comorbidities of  
Epilepsy and Its Management

*Neuropsychology:*  
Long-Term Cognitive and Psychosocial Outcomes of Surgical  
and Nonsurgical Cohorts

*NIH and Non-Profit Research Resources / Jr Investigator Workshop:*  
Successfully Transitioning to Independence as a Junior  
Investigator

*Pediatric Epilepsy Case Discussions:*  
Diagnostic and Treatment Challenges

*Practice Management:*  
Workload Diversification in Epilepsy Practice

*Professional Wellness in Epilepsy Care:*  
Relationships and Engagement to Enhance Professional  
Fulfillment in Epilepsy Practice

*Psychogenic Non-Epileptic Seizures:*  
"What's in a Name?"

*Psychosocial Comorbidities:*  
Preventing Suicide in Patients with Epilepsy: What is the Role  
of the Neurologist?

*Quality and Safety:*  
Operating the Epilepsy Quality Measures

*Seizure and Cerebrovascular Disease:*  
Cerebrovascular Disease and Seizures

*Seizures in Autoimmune Encephalitis:*  
Seizures in Autoimmune Encephalitis

*Sleep and Epilepsy:*  
Sleep in Space and Time: The Multiple Effects of Sleep on Epilepsy

*Stereoencephalography:*  
The Role of Electrical Stimulation in SEEG

*SUDEP:*  
2020: A Look at the Road Ahead Toward SUDEP Preventive Approaches

*Temporal Lobe Club:*  
Physiological and Pathological High-frequency Oscillations

*Translational Research:*  
Translating My Basic Science Research Outcomes to Clinical Trials

*Tuberous Sclerosis:*  
Current Controversies in Epilepsy Surgery for Tuberous Sclerosis

*Tumor Related:*  
Tumor-Related Epilepsy: Case-Based Discussion Regarding Surgical/Medical Treatment Approach for Different Brain Tumors

*Women's Issues in Epilepsy:*  
Optimizing Epilepsy Management in Women Post-Partum

## Investigator Workshops (IWs)

*New investigations in Neuromodulation:*  
Low-intensity Focused Ultrasound for TLE, and Mapping Epilepsy to Determine Treatment Targets

*Bi-Directional Relationship between Late-Onset Epilepsy and Alzheimer's Disease*

*Genetics in the Clinic:*  
*Beyond Monogenic Epilepsies*

*Pediatric Epilepsy Clinical Trials:*  
Current and Future Challenges

*Functional Mapping in Invasive Brain Recording:*  
Science and Practice

*The Postictal State:*  
A Transient Phenomenon with Long-Term Consequences?

*MEW Network 2.0:*  
Evidence-Based Epilepsy Self-Management Research and Scaling up for Broad-Based Public Health Impact

*Epilepsy Surgery in Tuberous Sclerosis Complex:*  
Research Priorities and Study Design

*Using Human Brain Organoids to Study Genetic Epilepsies*

*New Vistas in the Genetic Landscape of Epilepsy:*  
Explaining the Genetically Unexplained

*Sleep and Circadian Rhythms in SUDEP:*  
Disentangling Nighttime Contributors to Seizure-Associated Death

*Beyond Seizures:*  
Comorbidities and Genetic Rescue in Developmental and Epileptic Encephalopathies

*Beyond the Hippocampus:*  
Remote Networks Important for Epilepsy Outcomes and Seizure Control

*Metabolism-Targeted Treatments for Epilepsy Revealed Through Studies of Ketogenic Diet Mechanisms*

*How Study of the 'Seizure Focus' from Therapeutic Resections Can Lead to Novel Insights in Epilepsy*

*Mechanisms of Epileptogenesis in the Peritumoral Microenvironment*

*Master Regulators in Epileptogenesis:*  
REST and all the Rest

*Mechanisms Governing RNA Fate in Epilepsy:*  
From Generation to Translation

*Vanquishing the VUS:*  
Strategies for Decrypting Variants of Unknown Significance in Genetic Epilepsies

*New Therapeutic Implications for Adult Hippocampal Neurogenesis in Rodents and Human*

## Clinical Skills Workshops

*Implementing Epilepsy Self-management Programs:*  
Opportunities for Epilepsy Center Teams

*Genetics Testing in Epilepsy Patients*

*Pearls of videoEEG Monitoring*

*Alternative Therapies to Standard Anti-epileptic Therapies:*  
*My Seizure Drugs Aren't Working, Now What?*

*Optimal Use of Neuroimaging in Diagnosing and Treating Epilepsy*

*Misadventures in EEG*

*Intracranial Electrode Studies: How Do You Choose a Technique for Optimum Localization*

*TeleHealth: Virtual Epilepsy Clinic, Soup to Nuts*

*Treating Patients with Psychogenic Nonepileptic Seizures*

## Basic Science Skills Workshops

*In Vivo Imaging Approaches to Visualize Cells and Networks During Seizures*

*Genome Editing Technologies and Their Implications for Epilepsy Research*

# AES2020 AT-A-GLANCE

Session Name	FRIDAY, DECEMBER 4										SATURDAY, DECEMBER 5																		
	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	7	8	9	10	11	12	1	2	3	4	5	6	7	8
BASIC SCIENCE SKILLS WORKSHOPS																													
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