The American Epilepsy Society (AES) has announced scientific highlights for its 69th Annual Meeting, the preeminent scientific and educational conference for professionals concerned with seizures and epilepsy. The conference will take place December 4 - December 8, 2015, at the Pennsylvania Convention Center. All content is embargoed until the date/time of the presentation at the AES Annual Meeting.

Below is a schedule for the 14 featured press briefings taking place during the meeting. All briefings will take place in the AES Press Room 303AB at the Convention Center.

A private interview room will be available by appointment. Appointments can be made by contacting us directly at the email addresses below.

Media may also join all briefing sessions by phone: 888-585-9008 code 742-469-877# Press are encouraged to register to get copies of releases and meeting materials prior to attending the session by phone. Please register here.

We look forward to seeing you in December. If you have questions or if we can help you with any AES Annual Meeting or general epilepsy coverage, please contact us: Natalie Judd – 203-605-9515 or natalie@bigvoicecomm.com and Tess Aaronson – 908-698-9153 or tess@bigvoicecomm.com

**Autoimmune Epilepsy – Friday, December 4; 2:00 – 3:00 p.m. (ET)**
- In or Out: differences between patients with intracellular versus cell-surface receptor antibodies in autoimmune epilepsy (abstract 3.153)
- Outcome of surgery for drug resistant epilepsy due to autoimmune encephalitis (abstract 2.320)

**Electrical Sensing and Stimulation – Saturday, December 5; 11:15 – 12:15 a.m. (ET)**
- Optimization of transparent graphene electrodes for neural sensing and stimulation (abstract 2.076/A.05)
- Evidence of epileptic networks activation and modulation by electrical stimulation and interstitial ablation of epileptic nodes as defined by SEEG recordings (abstract 2.081/A.06)
- A comparative study of seizure suppression by closed-loop electrical stimulation at earlier and later stages of seizure formation in two rat models of epilepsy (abstract 2.083)

**Complexity of Cognitive Issues – Saturday, December 5; 1:00 – 2:00 p.m. (ET)**
- Cognitive development in pediatric epilepsy using graph theory (abstract 2.338)
- Decreased white matter integrity associated with cognitive impairment in children with early onset epilepsy (abstract 1.143)
- Brief computerized screening detects cognitive changes in children with epilepsy (abstract 1.293)

**Issues of Memory in Epilepsy – Saturday, December 5; 2:30 – 3:30 p.m (ET)**
- Seizure frequency and polytherapy impact everyday memory in patients with temporal lobes epilepsy caused by hippocampal sclerosis (abstract 2.326)
- Relation between memory impairment and neuronal cell density of the hippocampal subfields in patients with hippocampal sclerosis (abstract 3.312)
- Seizures affect the signaling cascades necessary for long-term memory formation (abstract 3.244)
SCN8 – Sunday, December 6; 9:30 – 10:30 a.m. (ET)
• A mouse model of a human SCN8A epileptic encephalopathy mutation exhibits increased persistent sodium current in bipolar and pyramidal hippocampus neurons (abstract 3.142)
• Enlarging the spectrum of SCN8A-related epileptic syndromes (abstract 2.362)
• Modeling SCN8A mutant epilepsy in patient-derived cortical and peripheral neurons (abstract 2.087|A.03)

Personalized Medicine – Sunday, December 6; 11:00 – 12:00 a.m. (ET)
• A CRISPR mutant zebrafish model of STXBP1 deficiency (abstract 2.023)
• Gene discovery in epileptic encephalopathies through targeted resequencing of candidate genes (abstract 1.315|C.06)
• Functional Analyses of a human GRIN2A Pre-M1 mutation associated with epilepsy: from molecular mechanism to rescue pharmacology (abstract 3.015)
• Targeted Analysis of Whole Exome Sequencing in Early Onset Epilepsy (abstract 1.311)

Emerging Technology – Sunday, December 6; 1:15 – 2:15 p.m. (ET)
• Central mechanisms of electrodermal biofeedback in reducing seizure frequency in patients with epilepsy: neuroimaging study (abstract 3.277)
• A new waveform identified during video-EEG monitoring (abstract 3.114)
• Dynamic training of machine-learning algorithm for real-time seizure detection in the epilepsy monitoring unit (abstract 3.092)
• Intracerebral delivery of carbon nanotubes augments the extent of activation for direct neurostimulation therapy (abstract 2.084)

Drug Resistant Juvenile Myoclonic Epilepsy – Sunday, December 6; 2:30 – 3:00 p.m. (ET)
• One in ten people with drug resistant JME have common copy number variants (abstract 1.309)

Sleep – Monday, December 7; 8:30 – 9:30 a.m. (ET)
• Loss of clock results in dysfunction of brain circuits that underlie pediatric focal epilepsy (abstract 3.019|A.01)
• Sleep-dependent memory consolidation in the epilepsy monitoring unit (EMU): a pilot study (abstract 2.333)
• Sleep difficulties are frequent in Dravet syndrome (abstract 2.229|B.08)
• Ontogeny of sleep disruption and peripheral orexin levels correspond with epilepsy onset and progression in Kv1.1KO mice (abstract 3.242)

Personal Monitoring Devices – Monday, December 7; 9:45 – 10:45 a.m. (ET)
• Development of a discrete, wearable, EEG device for counting seizures (abstract 2.158)
• Automated EMG based seizure detection and quantification for the home and the epilepsy monitoring unit: a prospective multicenter study (abstract 3.088)
• Seizure detection by multi-extracerebral biosignal analysis (abstract 3.084)
Genetics and SUDEP – Monday, December 7; 11:00 – 12:00 a.m. (ET)
- Identifying genetic variants underlying sudden unexpected death in epilepsy (SUDEP) (abstract 3.339|C.01)
- Whole exome and methylation profiling identifies candidate aberrations in epilepsy surgery patients who died of SUDEP (abstract 2.348)
- A mutation in SCN8A results in arrhythmogenic events with altered intracellular calcium handling in a mouse model of early-infantile epileptic encephalopathy with SUDEP (abstract 2.052|A.08)

Promise of Cannabidiol for Treatment Resistant Epilepsy – Monday, December 7; 1:00 – 2:00 p.m. (ET)
- Analysis of cannabidiol interactions with antiseizure drugs (abstract 1.215)
- Assessment of the anticonvulsant effects and tolerability of GW Pharmaceuticals’ cannabidiol in the Anticonvulsant Screening Program (abstract 3.034)
- Long-term efficacy and tolerability of add-on cannabidiol for drug-resistant pediatric epilepsies (abstract 2.296)
- Efficacy and safety of Epidiolex (cannabidiol) in children and young adults (abstract 3.397)

Issues of Aging in Epilepsy – Monday, December 7; 2:15 – 3:15 p.m. (ET)
- Do seizures age the brain?: machine learning analysis of structural MRI (abstract 1.146)
- Traumatic brain injury increases the expression of Nos1, Aβ clearance and epileptogenesis in APP/PS1 mouse model of Alzheimer's disease (no abstract)
- Children with epilepsy 50 years later—what do they tell us about the aging process in epilepsy? (no abstract)
- Unknown territory of imaging findings in the elderly with seizures - what is their relevance for epileptogenesis? (no abstract)

Acute Seizure Management and Status Epilepticus – Monday, December 7; 3:30 – 4:30 p.m. (ET)
- Continuous intravenous therapy versus intermittent bolus therapy for pediatric refractory status epilepticus (RSE) (abstract 1.123)
- Factors associated with status epilepticus duration in children (abstract 2.183)
- Ketamine for refractory status epilepticus (RSE) in children: a retrospective cohort study in the Pediatric Health Information System (PHIS) database (abstract 3.177)

Mark your calendars to join the American Epilepsy Society Annual meeting – the largest global clinical and science forum focused on epilepsy.

More than 5,000 of the world’s leading epilepsy professionals will join news media during this event. Experts from leading research institutions and government agencies will provide their unique insights during more than 60 education session and more than 1,200 scientific posters covering the most recent clinical, translational and basic research, technology and treatment developments happening in the U.S. and abroad.