

**Clinical Investigators' Workshops**

Year	Moderator(s)	Title	Speakers
2022	Antonio V. Delgado-Escueta, MD, PhD, FAAN, FANA; and José M. Serratosa Fernandez, MD, PhD	Investigators Workshop   Advances of the Lafora Epilepsy Cure Initiative: A Research Pathway to Treat and Cure Other Epilepsies	Berge A. Minassian, MD, CM, FRCP(C); Matthew S. Gentry, PhD; and Maria Machio Castello, MD
2022	Sandipan Pati, MBBS, MRCP, FAES ; and Marcus NG, MD, FRCP, CSCN (EEG), FACNS, FAES	Investigators Workshop   Neuromodulation and Sleep in Epilepsy: Promises and Perils	Birgit Frauscher, MD, PhD; Daniel Fabo, MD, PhD; and Rina Zelmann, PhD
2022	Peter Warnke, MD, PhD; and James Tao, MD, PhD	Investigators Workshop   Neurosurgical Treatment of Generalized Epilepsy - Disconnection or Responsive Neuromodulation	Robert E. Gross, MD, PhD; Mark Richardson, MD, PhD, FAANS; and Julia Henry, MD
2022	Shalini Narayana, PhD; and James Wheless, MD, FAAN, FAAP, FACP	Investigators Workshop   Standardizing TMS Language Mapping Protocol in Children: Lessons Learned and Future Directions	Hansel M. Greiner, MD; Fiona M. Baumer, MD; and Ravi Hadimani, PhD
2022	Ellen J. Bubrick, MD, FAES	Investigators Workshop   Focused Ultrasound: A Rapidly Growing, New Approach to Epilepsy Treatment	Charles Caskey, PhD; Vibhor Krishna, MD; and Raag Airan, MD, PhD
2022	John M. Schreiber, MD, FAES	Investigators Workshop   Non-Seizure Outcomes in Developmental and Epileptic Encephalopathies	Michael F. Hammer, PhD; Natasha Ludwig, PhD; and Gabrielle Conecker, MPH
2022	Dario J. Englot, MD, PhD, FAES; and Kathryn A. Davis, MD, FAES	Investigators Workshop   Integration of Brain Network Analysis into the Epilepsy Surgery Clinical Pipeline	Victoria L. Morgan, PhD, FAES; Leonardo Bonilha, MD, PhD; Erin Conrad, MD
2022	Olga Taraschenko, MD, PhD; and Aline Herlopian, MD	Investigators Workshop   Iatrogenic Epilepsy and Encephalopathy in Immune Therapies for Cancer	Divyanshu Dubey, MBBS; Michael Ruff, MD; and John Probasco, MD, FANA
2022	Anli A. Liu, MD, MA; and Jennifer N. Gelinan, MD, PhD	Investigators Workshop   Interaction between Physiological and Pathological Oscillations in Memory	Jennifer N. Gelinan, MD, PhD; Kareem Zaghloul, MD, PhD; and Ivan Soltesz, PhD
2021	Jane B. Allendorfer, PhD; Farah D. Lubin, PhD	Exercise in Epilepsy - Just Getting Warmed Up	Jane B. Allendorfer, PhD; Halley B. Alexander, MD; Ricardo Arida, PhD

2021	Dmitry Tchapyjnikov, MD; Christopher Lee-Messer, MD, PhD	Machine Learning in Clinical Epilepsy	Dmitry Tchapyjnikov, MD, Zachary Grinspan, MD, FAES; David Carlson, PhD
2021	Marian Galovic, MD; Emily Johnson, MD	Neurodegeneration in Epilepsy	Marian Galovic, MD; Emily Johnson, MD; Maria Thom, MD, MBBS
2021	Boris C. Bernhardt, PhD; Carrie McDonald, PhD	Multi-disciplinary Approaches for Cognitive and Affective Fingerprinting in Epilepsy	Lorenzo Caciagli, MD, PhD; Anny Reyes, MS; Jack Lin, MD, FAES
2021	Beate Diehl, MD, PhD, FRCP; Ronald Harper, PhD	Rationalizing Intervention Targets for SUDEP Risk Reduction: A Neuroimaging Perspective	Beate Diehl, MD, PhD, FRCP; Michalis Kassinosopoulos PhD; Michael Sperling, MD
2021	Elizabeth A. Felton, MD, PhD	Epilepsy Health Disparities	Eseosa Ighodaro, MD, PhD; Sandi Lam, MD, MBA, Ima Ebong, MD
2021	M. Scott Perry, MD	Functional and Medical Outcomes After Large Pediatric Epilepsy Surgeries	Monika Jones, MD; Taylor J. Abel, MD, Mary Lou Smith, PhD
2021	Phillip L. Pearl, MD, FAES; William H. Theodore, MD, FAES	Disorders of GABA Metabolism	John Schreiber, MD, FAES; Christos Papadelis, PhD; Henry HC Lee, PhD
2021	George B. Richerson, MD, PhD, FAES; Stephan Schuele, MD, MPH, FAES	Apnea without Dyspnea Due to Stimulation of the Amygdala	Brian Dlouhy, MD; Nuria Lacuey Lecumberri, MD; William Nobis, MD, PhD
2021	Sandipan Pati, MBBS, MRCP, FAES; Nitin Tandon, MD	Thalamic Neuromodulation in Focal and Generalized Epilepsies	Hal Blumenfeld, MD, PhD; Emilia Toth, PhD; Robert Fisher, MD, PhD
2020	Ellen J. Bubrick, MD; and John M. Stern, MD	Low Intensity Focused Ultrasound for Epilepsy: Early Investigations of Treating Animals and Humans with TLE.	Ellen J. Bubrick, MD; John M. Stern, MD; and Martina Mustroph, MD, PhD
2020	Emily Johnson, MD; and Alice D. Lam, MD, PhD	Bi-Directional Relationship Between Late-Onset Epilepsy and Alzheimer's Disease	Emily Johnson, MD; , Rani Sarkis, MD, MSc; and Mouhsin Shafi, MD, PhD

2020	Colin Ellis, MD; and Samuel Berkovic, AM, MD, FAA, FRACP, FRS	Genetics in the Clinic: Beyond Monogenic Epilepsies	Karen L. Oliver, MS; Katja Kobow, PhD; and Gianpiero Cavalleri, PhD
2020	Sudha K. Kessler MD, MSCE	Pediatric Epilepsy Clinical Trials: Current and Future Challenges	Dennis Dlugos, MD; Madison Berl, PhD; and Adam L. Numis, MD
2020	Jorge A. Gonzalez-Martinez, MD, PhD; and Guy M. McKhann II, MD	Functional Mapping in Invasive Brain Recording: Science and Practice	Catherine Liégeois-Chauvel, PhD; Vejay N. Vakharia, MRCS; and Kareem Zaghloul, MD, PhD
2020	Julia Jacobs, MD; and Gordon C. Teskey, BSc, MSc, PhD	The Postictal State: A Transient Phenomenon with Long-term Consequences?	Paolo Federico, BSc, MSc, PhD, MD; Jordan Stewart Farrell, PhD; and Jan Schoenberger, MD
2020	Ross Shegog, PhD; and Barbara C. Jobst, MD, PhD	MEW Network 2.0: Evidence-based epilepsy self-management research and scaling up for broad-based public health impact.	Martha Sajatovic, MD; Robin McGee, PhD; Erica K. Johnson, PhD
2020	Jurriaan M. Peters, MD, PhD; and Floor Jansen, MD	Epilepsy Surgery in Tuberous Sclerosis Complex: Research Priorities and Study Design	Jamie Capal, MD; Jeffrey P. Blount, MD; and Brenda E. Porter, MD, PhD
2019	Daniel Friedman, MD	Wearable Devices: Beyond Seizure Detection	Daniel M. Goldenholz, MD, PhD; W. Curt LaFrance Jr., MD, MPH; and Akane Sano, MEng, PhD
2019	Jean Gotman, PhD	Novel Approaches to the Treatment of Epilepsy Caused by Periventricular Nodular Heterotopia (PNH)	Francois Dubeau, MD; Hui Ming Khoo, MD, PhD; and Laura Tassi, MD
2019	Brenda E. Porter, MD, PhD; and Eric Marsh, MD, PhD	Gene Therapy for Developmental Epileptic Encephalopathies	Timothy Benke, MD, PhD; Rachel Bailey, PhD; and Barry Ticho, MD, PhD
2019	Carrie R. McDonald, PhD; and Leonardo Bonilha, MD, PhD	New Approaches and Challenges to Modeling Brain Networks Using Large Neuroimaging Databases: Experiences from ENIGMA-Epilepsy and the Epilepsy Connectome Project	Carrie R. McDonald, PhD; Boris C. Bernhardt, PhD; and Jeffrey Binder, MD
2019	Aaron F. Struck, MD; and Jan Claassen, MD, PhD	Electrographic Seizures in Acute Brain Injury: Prediction, Significance, and Association with Epileptogenesis.	Aaron F. Struck, MD; Jan Claassen, MD, PhD; and Jennifer A. Kim, MD, PhD
2018	Kevin Staley, MD	Therapeutic trials for neonatal seizures	Moderator: Kevin Staley, MD; Speakers: Janet Soul, MD, CM, FRCP, Cynthia Sharpe, MBChB, Geraldine Boylan, PhD
2018	Ellen Bubrick, MD	7T MRI: A Translational Frontier in Epilepsy	Moderator: Ellen Bubrick, MD; Speakers: Taha Gholipour, MD, Renzo Guerrini, MD, Steven Stufflebeam, MD, PhD
2018	Lorenzo Caciagli, MD	Bridging imaging and genetics: focus on endophenotypes	Moderator: Mathias Koepp, MD, PhD; Speakers: Lorenzo Caciagli, MD, Saud Alhusani, PhD, Gabriella Blokland, PhD
2018	Victoria Morgan, PhD and Dario Englot, MD, PhD	Neuroimaging Connectivity Studies in Temporal Lobe Epilepsy and Implications for Surgical Therapy	Moderator: Victoria Morgan, PhD; Speakers: Dario Englot, MD, PhD, Leonardo Bonilha, MD, PhD, Joseph Tracy, PhD, ABPP(CN)
2018	Shalini Narayana, PhD	Overcoming Obstacles of Pediatric Pre-surgical Functional Mapping: Is Transcranial Magnetic Stimulation (TMS) the new kid on the block?	Moderator: James Wheless, MD; Speakers: Shalini Narayana, PhD,
2017	Dang Nguyen	Structural and functional connectivity of the insula: toward a deeper understanding of insular epilepsy	Moderator: Dang Nguyen, M.D.; Speakers: Jimmy Ghaziri, Ph.D., Younes Zerouali, Ph.D., Phillippe Ryvlin, M.D.
2017	Page Pennell and Jaqueline A. French	Incorporating Sex and Gender into Epilepsy Research	Moderators: Page Pennell, M.D., Jacqueline A. French, M.D.; Speakers: Alison Pack, M.D., M.P.H., Lia Ernst, M.D., Jaideep Kapur, M.D., Ph.D.

2017	Cecil Hahn	Seizures among critically ill children: optimizing treatment strategies to improve outcomes	Moderator: Cecil Hahn, M.D.; Speakers: Eric Payne, M.D., M.P.H., F.R.C.P.C., Tobias Loddenkemper, M.D., Nicholas Abend, M.D., M.S.C.E.
2017	Ali Asadi-Pooya	Psychogenic non-epileptic seizures: new developments and future directions	Moderator: Ali Asadi-Pooya M.D.; Speakers: Ali A. Asadi-Pooya, M.D., W. Curt LaFrance Jr., M.D., M.P.H., Markus Reuber M.D., Ph.D., F.R.C.P.
2016	William Theodore	Natural Fluctuations Of Epilepsy – Lessons From A Million Seizures	Moderator: William Theodore, M.D. Speakers: Daniel Goldenholz, M.D., Ph.D., Tobias Loddenkemper, M.D., Victor Ferastraoaru, M.D.
2016	Jean Gotman	New approaches to the interictal EEG challenge the need to record seizures	Moderator: Jean Gotman, Ph.D. Speakers: Maeike Zijlmans, M.D., Ph.D., Francois Dubeau, M.D., Andre Palmmini, M.D.
2016	Ravindra Arya	Electrocorticographic Language Mapping in Epilepsy Surgery: From Cortical Stimulation to Real-time Dynamic Networks	Moderators: Ravindra Arya, M.D., D.M. Speakers: Ravindra Arya, M.D., D.M., Nathan Crone, M.D., Prasanna Jayakar, M.D., Ph.D.
2016	Matthias Koepp	Epilepsy - a tauopathy?	Moderator: Matthias Koepp, M.D., Ph.D. Speakers: Xin-You Tai, M.D., Jeffrey Noebels, M.D., Ph.D., Christophe Bernard, Ph.D.
2015	Jeffrey Tenney, MD, PhD	Idiopathic Childhood Epilepsy Syndromes: Can we consider them benign?	Jeffrey Tenney, MD, PhD, Tracy Glauser, MD, David Loring, PhD - 4th Speaker: Jennifer Vannest, PhD
2015	John W. Miller	MR-Guided Stereotactic Laser Ablation of the Hippocampus and Amygdala: Reducing Collateral Damage	Daniel Drane, PhD, Robert Gross, MD, PhD, John W. Miller, MD, PhD
2015	Bernard Chang	Using functional connectivity to target stimulation therapy for epilepsy and its comorbidities	Mouhsin Shafi, Michael Fox, Joel Voss
2015	Tobias Loddenkemper	Spikes and cognition: Should we treat spikes?	Ivan Sanchez Fernandez, MD, David Loring, PhD, Kevin Chapman, MD
2014	Jean Gotman	Yes, focal epilepsy is a network, but does it matter?	Christophe Grova, Philippe Kahane, Michael Sperling
2014	Kimford J. Meador, MD	Teratogenesis of Antiepileptic Drugs	Patrick Forcelli, PhD – Georgetown U., Page Pennell, MD – Harvard U., Kimford Meador, MD – Stanford U.
2014	Jeffrey Ojemann	Brain connectivity in health and epilepsy	Catherine Chu-Shore, Luigi Maccotta, Kurt Weaver
2014	Michael Privitera, MD	Stress and Seizures	Jane Allendorfer, PhD, Sheryl Haut, MD, Tallie Baram, MD, PhD; 4th speaker James Herman, PhD
2013	Jorge G Burneo	Neurocysticercosis-related Epilepsy	Alejandro L Escalaya, Gagandeep Singh, Jorge G Burneo
2013	Jack J. Lin, MD	The big picture: How changes in global brain connectivity facilitate epileptic seizures and cognitive deficits	Marcus Kaiser, PhD, Jack J. Lin, MD, Bruce Hermann, PhD
2013	Cecil Hahn	Seizures Among Critically Ill Children: Epidemiology, Treatment and Outcomes	Nicholas Abend, Tobias Loddenkemper, Cecil Hahn
2013	Anne Berg, PhD & Brandy Fureman, PhD	"Translating Clinical Research into Clinical Practice and Back Again"	Tobias Loddenkemper, Lorie Hamiwka, Russell Saneto
2012	Stephane Auvin	Comorbidity between epilepsy and autism spectrum disorder: challenges in the diagnosis	Rochelle Caplan, Anne Berg, Ingrid Scheffer

2012	Bernasconi, Neda	SEARCHING FOR LESIONS IN 'NONLESIONAL' EPILEPSY	F. Cendes (MD PhD), A. Bernasconi (MD), F. Chassoux (MD)
2012	Prof John S Duncan	3D Multimodal neuroimaging to direct epilepsy surgery	Dr Christian Vollmar, Munchen, Germany, Dr Bill Bingaman, Cleveland OHIO, Prof John S Duncan, London, UK
2012	Madison Berl	fMRI task selection for presurgical mapping in children: goals and challenges	Louise Croft, University College London, Leigh Sepeta, Childrens National Medical Center, Simona Ghetti, UC Davis
2011	Imad Najm	Clinical and Basic Mechanisms of Epilepsy Surgery Failure	Lara Jehi, MD, Andre Palmi, MD, PhD, Imad Najm, MD
2011	Dang Khoa Nguyen	Refractory insular cortex epilepsy	Dr. Francois Mauguire, Dr. Dang Khoa Nguyen, Dr. Alain Bouthillier
2011	Charles Akos Szabo, M.D.	Photosensitive Epilepsy in Humans and Baboons: A Window to Networks Underlying IGE	Charles Akos Szabo, M.D., Dorothee Kastelejn-Nolst Trenite, M.D., Michael Siniatchkin, M.D.
2011	Barbara Jobst	Pathophysiology of memory dysfunction in epilepsy	Indre Viscostas, PhD, Matthias Koepp, MD, PhD, Barbara Jobst, MD
2010	Sanjay Sisodiya	Copy number variation in the epilepsies	Ingrid Scheffer, Ingo Helbig, Sanjay Sisodiya
2010	Cynthia L. Harden	De-standardizing antiepileptic therapy development	Jackie French -Time to nth seizure , Birol Emir (from Pfizer)-Shorter trials-does modeling tell us how long?, Andy Kanner -Suicidality and depression scales , Cynthia Harden-Hormones, behavior and inattention affected by AEDs
2010	Andrea Bernasconi, MD - Montreal Neurological Institute and Gaillard W.D., Department of Neuroscience, Children's National Medical Center, Washington, DC	Mapping brain networks in epilepsy: insights from novel EEG, fMRI and morphometric MRI methods	Fabrice Bartolomei, Service de Neurophysiologie Clinique, CHU Timone-264, Marseille, France , Neda Bernasconi, Neuroimaging of Epilepsy Laboratory, Montreal Neurological Institute, Montreal, Canada , Madison M Berl, Department of Neuroscience, Children's National Medical Center, Washington, DC, USA
2010	Rochelle Caplan, M.D., Co-Chair: Bruce Hermann, Ph.D.	Insights from Neuroimaging on Brain Development in Children With "Epilepsy Only"	Bruce Hermann, Ph.D., Rochelle Caplan, M.D., Hal Blumenfeld, M.D., Ph.D.
2009	Celine Dube	Magnetic Resonance Imaging changes after Prolonged Febrile Seizures and Temporal Lobe Epilepsy: what basic science can learn from clinical studies and vice versa?	Darrell V. Lewis, Celine Dube , Olli Grohn
2009	Daniel Yoshor	Mapping Cortical Function with Intracranial Electrodes: Pushing Beyond Penfield	Michael Beauchamp - Strengths and limitations of BOLD fMRI: Can invasive human studies help fill some of the gaps?, Geoffrey Ghose - Invasive human recordings as a complement to studies, Itzhak Fried - Activity of individual human neurons as a gateway to understanding perception and memory, Robert Knight - Network properties and neural coding in the human neocortex
2009	Matthias Koepp	Imaging drug-resistance	Oliver Langer (University of Vienna, Austria), Sanjay Sisodiya (UCL Institute of Neurology, London, UK), Philippe Ryvlin (Cermep Lyon, Fr), Matthias Koepp (ION London, UK)
2009	Hitten Zaveri and Dennis Spencer	Sensing the brain in epilepsy	Bruce Lanning, PhD, ITN Energy Systems, Daryl Kipke, PhD, University of Michigan, Miguel Nicolelis, MD, PhD, Duke University
2008	Jean Gotman	Metabolic changes during epileptic discharges	Amir Schmueel, Hal Blumenfeld, Theodore Schwartz, Jean Gotman
2008	Barbara Jobst	Brain stimulation for the treatment of epilepsy: What is the evidence in humans and animals?	P Boon, University of Gent, Belgium, FA Lado, Albert Einstein College of Medicine, New York , F Velasco, Mexico City, DJ Mogul, Illinois Institute of Technology
2008	Ronit Pressler	The relevance of interictal discharges in childhood epilepsy	Massimo Avoli , Solomon Moshe, Shlomo Shinnar, Ronit Pressler
2008	Mary Lou Smith and Bill Gaillard	fMRI and memory: advances and promises	MP McAndrews, J Detre, M Richardson or Powell

2007	Eva Andermann	Pathways of brain development: Genetic and phenotypic characterization of malformations of cortical and cerebellar development	William B. Dobyns, MD, Christopher A. Walsh, MD, Ph.D, Eva Andermann, MD, Ph.D, FCCMG, James L. Kennedy, MD, FRCP
2007	Matthias Koepp	Imaging brain connectivity - not just pretty pictures	Peter Basser, Marco Catani, Matthias Koepp
2007	William H Theodore	Disparities of Health Care in Epilepsy Populations	William Theodore MD. Introduction, Karen Parko MD. Native Americans and epilepsy, Jose Burneo MD .Disparities in epilepsy surgery, Elizabeth Waterhouse MD. Status epilepticus in an urban setting
2006	Paul Garcia, M.D.	Language localization in surgical planning: Methods and controversies	David Loring, Ph.D., Nathan Crone, M.D., William D. Gaillard, M.D.
2006	William H. Theodore, M.D.	Viruses in human epilepsy	Leon Epstein, M.D., Steven Jacobson, Ph.D., C.G. Bien, M.D.
2006	Andrea Bernasconi, M.D.	Defining hippocampal malformations in epilepsy: From histopathology to MRI	Michel Baulac, M.D., Neda Bernasconi, M.D., Maria Thom, M.D.
2006	Edwin Trevathan, M.D., M.P.H.	Clinical trials of antiepileptic drugs: Do they answer pertinent clinical questions?	Tracy Glauser, M.D., Jackie French, M.D.
2005	Nicholas M. Barbaro, M.D.	Non-destructive surgical treatment of epilepsy	Robert. R. Goodman, M.D., Ph.D., Robert S. Fisher, M.D., Ph.D., Brian Litt, M.D.
2005	William H. Theodore, M.D.	Serotonin, depression and epilepsy	Csaba Juhasz, M.D., Ivanka Savic, M.D., Wayne Drevets, M.D.
2005	Guy M. McKhann II, M.D.	Hypothalamic hamartomas: Clinical features, treatment options and basic biology	Andre Palmieri, M.D., Jean Regis, M.D., Jack Kerrigan, M.D.
2005	Gregory D. Cascino, M.D.	Sudden unexpected death in epilepsy (SUDEP). Roundtable discussion.	Patricia A. Gibson, M.S.S.W., Vijay Thadani, M.D., Maromi Nei, M.D., Markus Reuber, M.D.
2004	David W. Loring, Ph.D.	Assessing cognitive effects and outcomes of AEDs	Kimford J. Meador, M.D., Gus Baker, Ph.D.
2004	Paul A. Garcia, M.D.	MEG and EEG: Advances and controversies in source localization-related epilepsy	John S. Ebersole, M.D., William Sutherling, M.D.
2004	William D. Gaillard, M.D.	Flumazenil PET in human epilepsy	Csaba Juhasz, M.D., Alexander Hammers, M.D.
2004	Terence J. O'Brien, M.D.	Mechanisms of pharmaco-resistance in epilepsy	Annamaria Vezzani, Ph.D., Heinz Beck, M.D.
2003	Steve Weinstein, M.D.	How do seizures stop?	Kevin Staley, M.D., Steve Rothman, M.D.
2003	Gary Mathern, M.D.	Seizure reoccurrence after medical and surgical therapy, and early post-surgery seizures as predictors of long-term seizure control	Shlomo Shinnar, M.D., Theodore Schwartz, M.D., Susan Koh, M.D.
2003	Elinor Ben-Menachem, M.D., Ph.D.	Mechanisms of deep brain stimulation and peripheral nerve stimulation	Scott Krahl, Ph.D., Paul Boon, M.D., Ph.D., Libor Velisek, M.D., Ph.D.
2003	Lawrence J. Hirsch, M.D.	Nonconvulsive status epilepticus and ICU EEG monitoring	David M. Treiman, M.D., Frank W. Drislane, M.D.

2002	Sara J. Swanson, Ph.D.	Functional MRI and memory	Jeffrey Binder, M.D., John Detre, M.D., Marilyn Jones-Gotman, Ph.D.
2002	Nicholas Barbaro, M.D.	Gamma knife surgery in epilepsy	Kevin Lee, Ph.D., Ajay Niranjani, MBBS, M.S., M.Ch., Jean Regis, M.D., Nicholas Barbaro, M.D.
2001	William D. Gaillard, M.D.	Is epilepsy a progressive disease?	Gregory L. Holmes, M.D., Peter R. Camfield, M.D., FRCP, Fernando Cendes, M.D.
2001	Andreas Hufnagel, M.D.	Is there a clinical role for diffusion/perfusion MRI?	Alan Connelly, Ph.D., Udo Wieshman, M.D., John A. Detre, M.D.