

EPILEPSY INTEREST GROUP RESEARCH RETREAT 2026

AGENDA

- 1:00 – 1:15 **Mark Quigg, MD** UVA Neurology
Dynamic PET in epilepsy localization
- 1:15 – 1:40 **Matt Weston, PhD** Virginia Tech
Mechanisms and targeted treatment of KCNT1-related epilepsy
- 1:40 – 1:50 **Hannah Grote, Coutinho-Budd Lab** UVA
Somal vs synaptic neuron-glia interactions in seizure regulation
- 1:50 – 2:05 **Nathan Fountain, MD** UVA Neurology
Low intensity focused ultrasound neuromodulation for mesial temporal epilepsy
- 2:05 – 2:30 **Jaeda Coutinho-Budd, PhD** UVA Neuroscience
Heterogeneity in glial mitochondria and their neuronal support
- 2:30 – 2:45 Break**
- 2:45 – 2:55 **Daphne Gyamfi, Kapur Lab** UVA
Lactate-HCAR1 signaling modulates dentate granule cell activity
- 2:55 – 3:20 **Edward Nieh, PhD** UVA Pharmacology
Population neural dynamics in behavior and disease
- 3:20 – 3:35 **Kelly Knupp, MD** University of Colorado
Real life challenges of natural history studies
- 3:35 – 3:45 **Caeley Reeve, Patel Lab** UVA
Base editing rescues seizures and prevents SUDEP in SCN8A DEE
- 3:45 – 4:00 **Gardiner Lapham, MPH, RN** Epilepsy Advocate
Stigma & the Global Epilepsy Treatment Gap
- 4:00 – 4:15 Break**
- 4:15 – 5:15 **John Huguenard, PhD** Stanford University
How do we study circuit mechanisms of epilepsy in animal models: Lessons from epileptic mice
- 5:15 – 6:30 Reception**