



neuroscience
school of
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studies



Workshop

Epilepsy: Advanced Technology for Clinicians

Isola di San Servolo, Venice

October 5-10, 2018

Coordinator: **Brian Litt**, University of Pennsylvania, Philadelphia, USA

Speakers:

Mark Cook, University of Melbourne, Australia

Gregory A. Worrell, Mayo Clinic, Rochester, USA

Kathryn Davis, University of Pennsylvania, Philadelphia, USA

John Duncan, UCL, London, UK

Matthias Koepp, UCL, London, UK

Robert Gross, Emory University, Atlanta, USA

Timothy Lucas, University of Pennsylvania, Philadelphia, USA

- New quantitative techniques for mapping epileptic networks
- Novel tools to link imaging with intracranial electrodes
- Algorithms and new devices for monitoring, detecting and predicting seizures
- 3D multimodal imaging, navigation and analysis for epilepsy surgery
- Quantitative analysis techniques for structural and functional imaging
- Minimally invasive surgery, laser, radiofrequency ablation and focused ultrasound
- Novel sensors and therapies: platforms for drugs and devices