

## Epilepsy as a Window into Brain Plasticity:

**Course code: 90330 Winter 2018-2019**  
**Thursday afternoon 4:00 PM**  
**Room TBD**

A graduate-postgraduate course for Trainees of the Epilepsy-focused T-32 and interested others.

Logistics & Changes Organizer: Kevin Koronowski, PhD: [kkoronow@uci.edu](mailto:kkoronow@uci.edu)

Introduction to Epilepsy: How does the brain become epileptic?	Tallie Z. Baram, MD, PhD Prof., Anatomy/Neurobiology, Pediatrics, Neurology.		January 17 <sup>th</sup>
Neurogenesis, stem cells and epilepsy	Prof. Robert Hunt, PhD		January 24 <sup>th</sup>
Neurodegeneration in epilepsy: Implications for other neurodegenerative disorders	John H. Weiss, MD, PhD; Professor, Neurology		January 31 <sup>st</sup>
Genetic models in epilepsy research	Alan Goldin, Prof. Microbiology & Anatomy/Neurobiology		February 7 <sup>th</sup>
Epileptogenesis and memory: common mechanisms?	Os Steward, PhD, Prof; Director, Reeve Irvine Center		February 14 <sup>th</sup>
Novel mechanisms in epileptogenesis: epigenetics	Marcelo Wood, PhD, Professor, Neurobiology/Behavior		February 21 <sup>st</sup>
Medical therapies of epilepsy. Participation in clinical conference (& monitoring unit)	Jack Lin, MD, Assoc. Prof., Neurology Medical Director, UCI Epilepsy Program 2-3 individuals at a time.		Feb 14 <sup>th</sup>
Surgical cure of epilepsy: The state of the art. With videos & operating room visit	Frank Hsu, MD, PhD Prof., Neurosurgery, UCI		March 7 <sup>th</sup>
The structural and functional bases of plasticity in normal & epileptic hippocampus	Christine M Gall, PhD, Prof., Anatomy / Neurobiology		March 14 <sup>th</sup>
Exam: essay & 5 min discussion of the ideal experiment in epilepsy research	Course participants & Faculty (TZB)		March 21 <sup>st</sup>