# 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*

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