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“Experience-Dependent Synapse Reorganization in the Living Brain”

One fundamental question in neuroscience is how the brain processes and stores information. As the information-processing elements in the brain, neurons communicate via specialized connections called synapses. The majority of excitatory synapses reside at dendritic spines, which serve as a good proxy for synaptic connectivity. Using transcranial two-photon microscopy to visualize fluorescently-labeled neurons in transgenic mice, our recent studies followed the dynamics of spines on apical dendrites of L5 pyramidal neurons in the living brain. In this talk, I will discuss our findings on how experience (both positive and negative) affects cortical circuits and synapse plasticity.

Seminar host: Dr. Huizhong Tao

**Wednesday,
May 29, 2019
12:00p.m. – 1:00p.m.**

Herklotz Seminar Room/ ZNI 112
USC Health Sciences Campus
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Webcast link: <http://keckmedia.usc.edu/Mediasite/Catalog/catalogs/keckadmin-zilkha-seminar-series>