**Seminars in Pharmacology**

**Pathways from Proteins to Disease**

**January 8:** Ryan Hibbs  
University of Texas Southwestern Medical Center  
“Structural principles underlying fast excitation and inhibition at chemical synapses”

**January 15:** Kevan M. Shokat  
UC San Francisco  
“Chemical tricks for drugging the undruggable”

**January 22:** Elizabeth Winzeler  
UC San Diego  
“Using cheminformatics and high throughput screening to find next generation medicines for malaria”

**January 29:** Jürgen Wess  
National Institute of Diabetes and Digestive and Kidney Diseases  
“GPCR signaling pathways as critical regulators of body weight and glucose homeostasis: Clinical Implications”

**February 5:** Roger J. Davis  
UMASS Medical School  
“Metabolic stress signaling by JNK”

**February 12:** Stephanie Stanford  
UC San Diego  
“Targeting the low molecular weight tyrosine phosphatase for obesity-associated diabetes therapy”

**February 19:** Natalia Jura  
UC San Francisco  
“Signaling mechanisms by atypical kinases and phosphatases”

**February 26:** Tracy Handel  
UC San Diego  
“What structure tells us about chemokine receptor activation and inhibition”

**March 5:** Benjamin E. Turk  
Yale School of Medicine  
“Deciphering mechanisms of substrate targeting by protein kinases”

**March 12:** Guillermina Lozano  
University of Texas MD Anderson Cancer Center  
“Mutant p53 activities in tumor development”

**March 19:** Kenneth Walsh  
University of Virginia – School of Medicine  
“Killer clones: Somatic mutations, clonal hematopoiesis and cardiovascular disease”

**March 26:** Jonah Chan  
UC San Francisco  
“Navigating permissive and inhibitory cues: Does dynamic neuronal signaling influence early CNS myelination?”

**April 16:** Martha S. Cyert  
Stanford University  
“Revealing and inhibiting calcineurin functions with short linear motifs”

**April 23:** Michel Bouvier  
University of Montreal  
“The pluridimensionality of GPCR signaling: a promising avenue for the development of better drugs?”

**April 30:** Carole Parent  
University of Michigan  
“Live imaging of signal relay during chemotaxis and its relevance to inflammation and cancer”

**May 7:** Paul Whiteaker  
Barrow Neurological Institute  
“Effects and potential sites of prototoxin interactions with nicotinic acetylcholine receptors”

**May 29 (Wed):** Gregg L. Semenza  
Johns Hopkins University School of Medicine  
“Hypoxia-inducible factors in physiology and medicine”

For more information contact:  
Pharmacology Education  
pharmeducation@ucsd.edu  
858.822.3936