Biochemistry Seminar Series
Faculty Research Seminars – Fall 2017

Margot Quinlan, Ph.D.

We are using biochemistry, microscopy and genetic approaches to study dynamics of the actin cytoskeleton. We are currently focusing on Spire and Cappuccino, two proteins that collaborate to build an actin network essential for early body axis development in Drosophila. Combining an in vitro understanding of the mechanism of Spir and Capu with in vivo studies of oogenesis will provide insight into how the actin cytoskeleton is regulated and a broader understanding of cell polarity.

Joe Loo, Ph.D.

The research interests of Professor Loo's group include the development and application of bioanalytical methods, including mass spectrometry (MS), for the structural characterization of proteins and post-translational modifications, and proteomics-based research. “Native” MS and “top-down” MS are used to determine the amino acid sites of noncovalent protein-ligand binding for unique compounds that protect against neurodegenerative protein toxicity, and this information can be used to design more potent compounds. “Bottom-up” proteomics tools are used to characterize microbial metabolic pathways, to identify potential protein targets for drug binding, and to discovery new protein surrogate biomarkers for traumatic brain injury diagnosis and progression.

Friday, October 20, 2017
3440 Molecular Sciences
3:30 pm

Please contact Marla Gonzalez, marla@chem.ucla.edu, x57071 for additional information.