Advanced Topics in Cell Biology: CB309qc


Time/Format: Thursdays 6-7:30pm in SGMB 502; Dinner provided

One primary research article and one review article will be assigned each week to prepare students for discussion.

January 23  Davie Van Vactor -- Course Introduction/Overview
Randy King

Topic: High Content Screening for Small Molecule Regulators of Cell Cycle

January 30  Wade Harper

Topic: Ubiquitin and Neurodegenerative Disease

February 6  Fred Goldberg

Topic: Protein Homeostasis and Drug Development: Successes, Opportunities & Challenges

February 13  Steve Gygi

Topic: Love is Homemade and so is Proteomics

February 20  Robin Reed

Topic: Shared Molecular Pathway Links the Motor Neuron Diseases ALS and SMA

February 27  Dan Finley

Topic: Enhancing Proteasome Activity to Eliminate Toxic Misfolded Proteins from Neurons

March 6  Sam Reck-Peterson

Topic: Mechanistic Understanding of Microtubule Motors and Neuronal Disease

March 13  Yang Shi

Topic: Epigenetics as a Key Means to Understand

March 20  Junying Yuan

Topic: Regulation of Programmed Cell Death: from Apoptosis to Necroptosis

March 27  John Flanagan
Topic: Axon Guidance Mechanisms Provide Insight into Neural Regeneration

April 3 Davie Van Vactor

FINAL DISCUSSION MEETING

Back up topic: Synapse Development as a Lens to Understand Neurodegeneration