Molecular Targets and Structure Guided Drug Discovery in Cancer

John Kuriyan  
CC# 59917  Sec. A02  Div. BMB

Please contact faculty for detailed description.

Organizational Meeting: Tuesday, August 29th at 11:30 AM in 174 Koshland
Class Day/Time/Location: TBD/TBD/TBD

Cellular Senescence and Cancer

Kunxin Luo  
CC# 59923  Sec. B02  Div. CDB

We will focus on the molecular mechanisms and pathways that regulate the senescence of human and mouse cells, and how this process may contribute to cell transformation in vitro and carcinogenesis in vivo.

Organizational Meeting: Tuesday, September 5th at 4pm in 80 Koshland
Class Day/Time/Location: TBD/TBD/TBD
Molecular Genetics of Natural Variation

Rachel Brem  
CC# 59926  Sec. C01  Div. G&D

Any two individuals in a species may differ in disease susceptibility, morphology, or behavior. Often this phenotypic variation is caused by sequence differences at the DNA level. In this course we will discuss recent literature on linkage analysis and association studies which, in combination with detailed molecular fine-mapping, identify DNA differences that underlie phenotypic variation within a species.

Organizational Meeting:  Tuesday, August 29th at 4pm in 210 Hildebrand  
Class Day/Time/Location:  TBD / TBD / TBD

Metagenomics

Steven Brenner  
CC# 59929  Sec. C02  Div. G&D

We will address the promise and pitfalls of metagenomics. We will cover methods and motivations, as well as critical evaluation of outcomes. In particular, we will discuss implications for our understanding of microbial communities, the environment, human disease etiology, protein diversity, industrial applications, and population dynamics and evolution.

Organizational Meeting:  
Class Day/Time/Location:  Thursday / 2:00-4:00PM / 2030 VLSB

The Neural Basis of Perception

Gerald Westheimer  
CC# 59935  Sec. E01  Div. NEU

Classical papers and important current literature on neural bases of visual, auditory, somatosensory, olfactory and time perception.

Organizational Meeting:  Tuesday, August 29 at 12:00pm in 177 LSA  
Class Day/Time/Location:  Tuesday & / 12-1PM for / TBA