BIOCHEMISTRY SEMINAR SERIES

Faculty Research Seminars – Fall 2021

Eisenberg and his research group focus on the molecular basis of amyloid diseases, including Parkinson's, Alzheimer's, ALS and diabetes type 2. All of these are associated with protein fibrils. The lab uses computational, biochemical, and structural methods to design inhibitors of amyloid formation, and tests these in cellular and animal models. These are potential therapeutics. The lab also works on molecular diagnostics for amyloid conditions.

Prof. David Eisenberg

UCLA Chemistry & Biochemistry

Our research encompasses two major areas: Understanding the mechanism of protein import into mitochondria and determining the process by which defects in mitochondrial protein translocation lead to disease.
A basic question in cell biology is the mechanism by which a protein reaches its correct location within the cell. Of all the organelles in a mammalian cell, the mitochondrion is the most complex because two membranes must be crossed. In addition to the metabolic role, the mitochondria is a key player in many cellular processes including apoptosis, metal ion homeostasis and aging. My specific interests lie in mitochondrial biogenesis, particularly the mechanism by which proteins are imported into the mitochondrial inner membrane.

Prof. Carla Koehler

UCLA Chemistry & Biochemistry

Friday, October 8, 2021

Mol Sci 3440

3:30 pm

More information: marla@chem.ucla.edu

UCLA College | Physical Sciences Chemistry & Biochemistry