



The Department of Molecular, Cellular and Developmental Biology Seminar Series Presents



James Olzmann

Associate Professor

*Dept. of Molecular & Cell Biology;
Nutritional Sciences & Toxicology*

*University of California,
Berkeley*

*“The cell biology of lipid homeostasis:
From lipid droplets to lipotoxicity”*

How is the quantity and quality of the lipids in our cells maintained? This fundamental question is central to the research in James Olzmann's lab at UC Berkeley, and its importance is further underscored by the dysregulation of lipid metabolism in numerous diseases such as prevalent metabolic diseases and cancer. The Olzmann research group exploits interdisciplinary strategies to advance our understanding of the principles that regulate cellular lipid homeostasis. Current work in the lab centers around the biology of lipid droplets – how they form, how they are degraded, and how the lipid droplet proteome is established and remodeled in response to different metabolic conditions. In addition, their research also aims to uncover the mechanisms that govern lipid quality control and to determine how cells respond to lipid damage, such as the oxidative lipid damage involved in the regulated form of cell death known as ferroptosis.

Wednesday, December 2, 2020

4:00pm Zoom Seminar

<https://yale.zoom.us/j/99553124783>

Or iPhone one-tap: US: +12034329666,,99553124783# or 8887880099,,99553124783# (Toll Free)

Or Telephone: Dial (for higher quality, dial a number based on your current location):

US: +1 203 4329666 or 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Webinar ID: 995 5312 4783

International numbers available: <https://yale.zoom.us/u/akv8R8O8M>

Hosted by: Shirin Bahmanyar

Sponsored by the Mrs. Hepsa Ely Silliman Memorial Fund

For more information contact: laurie.tomei@yale.edu

