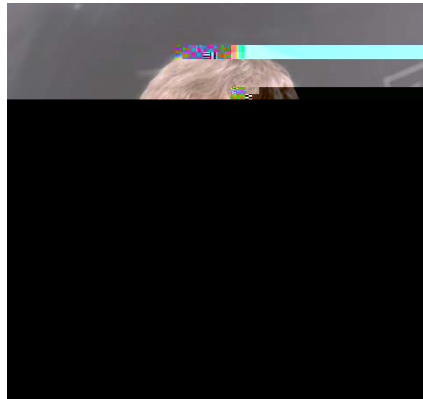


University of Rochester
Flaum Eye Institute Basic Science Seminar Series



Richard H. Kramer, PhD

Dept. of Molecular & Cell Biology, University of California-Berkeley

[Richard Kramer-UC Berkeley](#)

Title:

“New strategies for preserving or reviving sight in photoreceptor disorders”

Seminar Topics:

Translating photoswitches into drugs for re-animating vision in the blind

In degenerative blinding diseases such as Retinitis Pigmentosa (RP) and Age-Related Macular Degeneration (AMD), the rod and cone photoreceptor cells die, but the downstream neurons in the retina survive. Most importantly, the retinal ganglion cells (RGCs), whose axons project through the optic nerve to the brain, remain intact. We have developed photoswitches that impart light sensitivity to these neurons, allowing them to respond to light and potentially restore some vision. This approach is being tested in clinical trials for RP and AMD.

Conference Room 2.6408 (K207 Auditorium)

Zoom Meeting ID: 940 7125 4483

<https://urmc.zoom.us/j/94071254483>