

Discovery Science Emerging Scholars Lecture

"Peering into the Crystallin Ball of the Eye Lens"



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Cataracts, the opacification of the eye lens, are the leading cause of blindness worldwide. Cataracts form when the crystallin proteins of the eye lens are unable to maintain proteostasis and being to aggregate. As these aggregates grow, the lens opacifies, and visual impairment increases. Despite decades of research on the crystallin proteins, the mechanism of cataract formation is highly debated. Here we demonstrate in vitro that deamidation, a common post translational damage, has minimal impact to crystallin structure and biophysics, and highlight our progress to study crystallins in their native environment, the intact eye lens.

Thursday December 2, 2021 9:30 am CT 202 Light Hall

This lecture series features the most promising young scientists who are making notable discoveries as postdoctoral fellows or early career faculty.

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