



University of Rochester  
Flaum Eye Institute Basic Science Seminar Series



**Mabelle T. Pardue, PhD**  
Dept. of Ophthalmology; Wallace H. Coulter Dept. of  
Engineering, Georgia Tech & Emory

Title:

“Investigating mechanisms of myopia using mouse models”

**Abstract:** Prevalence of myopia continues to increase with a predicted 50% of the world’s population having myopia by 2050. While environmental factors have been implicated, our understanding of the mechanisms controlling myopic eye growth are limited. I will discuss our work to investigate the specific retinal pathways that may be involved in refractive eye growth using a mouse model of myopia. I will focus on the influence of different ambient light conditions, the contribution of photoreceptor pathways, and the potential molecular candidates in retinoscleral signaling.

**Friday, April 5, 2024 @ 1:00 PM**

**Conference Room 2.6408 (K207 Auditorium)**

**Zoom Meeting ID: 982 7279 1439, Password: 031232**

<https://urmc.zoom.us/j/98272791439?pwd=ZnN0dEZ0eUc0c2JsM1pnejl3bEx5Zz09>

