## FALL SEMESTER 2022

### MCPherson Endowed Lecture:

**Dr. Michael Chiang, Director of the National Eye Institute**

*Artificial Intelligence and Data Science for Eye Care: Perspectives from the National Eye Institute*

**Monday, September 12, 2022**

- **Reception:** 3 pm, 9th floor, Wisconsin Institutes for Medical Research
- **Lecture:** 4 pm, 1335 Health Sciences Learning Center

### TUESDAY, SEPTEMBER 13, 2022

Seminar replaced by re-scheduled McPherson Endowed Lecture:

**Diego Hernando, PhD, Assistant Professor** (Radiology, UW–Madison)

*Diffusion Magnetic Resonance Imaging: Challenges and Research Opportunities*

**Kevin Ponto, PhD, Associate Professor** (Design Studies, UW–Madison)

*3D Reconstructions of Everyday Spaces: the positive impacts of emerging technologies*

### TUESDAY, OCTOBER 11, 2022 – 1360 BIOTECH

**David Barnett, MD, Postdoctoral Fellow** (Michelle Ciucci Lab, Surgery, and Freya Mowat Lab, Ophthalmology and Visual Sciences, UW–Madison)

*Translational Visual System Biomarkers in a Mouse Model of Prodromal Parkinson Disease*

**Shaoqin “Sarah” Gong, PhD, Professor** (Ophthalmology & Visual Sciences and Biomedical Engineering, UW–Madison)

*Non-Viral Delivery of Biologics for Gene Therapy and Genome Editing*

### TUESDAY, NOVEMBER 8, 2022 – 3571 WIMR

**Allison Ludwig, PhD, Postdoctoral Fellow** (Veterinary Medicine, Ophthalmology and Visual Sciences, UW–Madison)

*Packaging Photoreceptors for Cell Replacement Therapy: Optimizing Form for Function*

**David Gamm, MD, PhD, Professor** (Ophthalmology and Visual Sciences, UW–Madison)

*Re-formation of Neuronal Connectivity in Dissociated Human Stem Cell-derived Retinal Organoid Cultures*