

# Cleveland Clinic Cole Eye Institute | 2022 Distinguished Lecture Series

April 21, 2022

Retina Metabolism and Metabolism in the Retinal Pigment Epithelium: A Busy Intersection

**James B Hurley, PhD**

*Professor of Biology and Chemistry of Vision  
Department of Biochemistry  
University of Washington, Seattle, WA*

May 19, 2022

Microglia as Modifiers of Outer Retinal Degeneration

**Daniel R. Saban, PhD**

*Associate Professor of Ophthalmology and Immunology  
Scientific Director, Foster Center for Ocular Immunology, Duke Eye Center  
Faculty Network Member of the Duke Institute of Brain Sciences  
Duke University School of Medicine, Durham, North Carolina*

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June 16, 2022

Towards a Gene-independent Therapy for Preventing Retinal Degeneration

**Vladimir J. Kefalov, PhD**

*Professor, Departments of Ophthalmology, Physiology and Biophysics  
University of California-Irvine, Irvine, California*

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July 21, 2022

Precision and Safety of Femtosecond Laser Guided Corneal Crosslinking Compared to UVA

**James V. Jester, PhD**

*Professor, Departments of Ophthalmology and Biomedical Engineering  
Jack H. Skirball Endowed Research Chair  
University of California, Irvine, Irvine, California*

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August 18, 2022

Imaging Mass Spectrometry of Ocular Tissues to Create Molecular Maps of Aging and Disease Processes

**Kevin L. Schey, PhD**

*Professor, Biochemistry, Chemistry, and Ophthalmology & Visual Sciences  
Director, Mass Spectrometry Research Center Core Facilities  
Vanderbilt University, Nashville, Tennessee*

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September 15, 2022

Regulation of the Photoreceptor Outer Segment Proteome

**Maxence Nachury, PhD**

*Professor of Ophthalmology  
Department of Ophthalmology  
University of California, San Francisco  
San Francisco, California*

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October 20, 2022

Light Detection in the Eye – The Big Picture

**King-Wai Yau, PhD**

*Professor of Neuroscience  
The Solomon H. Snyder Department of Neuroscience  
Johns Hopkins University School of Medicine  
Baltimore, MD*

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November 17, 2022

Investigating the Molecular Mechanisms of Retinal Degenerative Diseases: The hiPSC Approach

**Ruchira Singh, PhD**

*Associate Professor, Department of Ophthalmology and Biomedical Genetics  
University of Rochester Medical Center  
School of Medicine and Dentistry  
Rochester, New York*

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December 15, 2022

Mechanisms and Regulation of Corneal Immunity

**Sunil K. Chauhan, DVM, PhD**

*Associate Professor of Ophthalmology  
Harvard Medical School  
Associate Scientist, Schepens Eye Res. Institute of Mass Eye and Ear  
Boston, Massachusetts*

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# Cleveland Clinic Cole Eye Institute | 2023 Distinguished Lecture Series

January 19, 2023

[ABCA4 Retinoid-lipid Flippase in the RPE Cells: Implications in Stargardt Disease](#)

**Roxana A. Radu, MD**

*Assistant Professor of Ophthalmology  
Director, Retina Biochemistry & Clinical Disease Modeling Laboratory  
UCLA Stein Eye Institute  
Department of Ophthalmology  
David Geffen School of Medicine at University of California at Los Angeles  
Los Angeles, Calif*

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February 16, 2023

No Lecturer Scheduled

March 16, 2023

[Stimulating Retinal Regeneration for the Treatment of Eye Disease. Are We There Yet?](#)

**Thomas A. Reh, PhD**

*Professor, Biological Structure  
Institute for Stem Cell & Regenerative Medicine  
University of Washington  
Seattle, Washington*

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April 20, 2023

[Mechanisms Underlying Detection and Temporal Sensitivity of Single-Photon Responses](#)

**Alapakkam P. Sampath, PhD**

*Grace and Walter Lantz Professor  
Department of Ophthalmology  
Jules Stein Eye Institute  
UCLA, Los Angeles, California*

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May 18, 2023

[Melanocortins and Ocular Immune Privilege](#)

**Andrew W. Taylor, PhD**

*Associate Dean of Research  
Professor and Vice Chair for Research  
Department of Ophthalmology  
Boston University School of Medicine  
Boston, Massachusetts*

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June 16, 2023

[Non-viral Gene Therapy Applications in Models of Retinal Degenerative Diseases](#)

**Muna Naash, PhD**

*John S. Dunn Endowed Professor  
Department of Biomedical Engineering  
University of Houston  
Cullen College of Engineering  
Houston, TX*

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