Sue Anschutz-Rodgers Eye Center
SCHOOL OF MEDICINE
UNIVERSITY OF COLORADO **ANSCHUTZ MEDICAL CAMPUS**

University of Colorado Department of Ophthalmology at ISER 2024

Monday, October 21, 2024

Time: 08:00 - 10:00 ART
Session: 111 *Location:* Alerce 5th Floor
Topic: Retinal Neuroscience and Development
Emerging concepts in photoreceptor development and degeneration
Presenter: Joseph Brzezinski IV, PhD
Presentation: Understanding the cis-regulatory logic of photoreceptor development

Time: 13:00 - 15:00 ART
Session: 063 *Location:* Sauca 5th Floor
Topic: Ocular Immunology
Microbial effects on host response to ocular infections
Presenter: Lynn Hassman, MD, PhD
Presentation: The landscape of intraocular inflammatory responses at single-cell resolution

Time: 18:00 - 20:00 ART
Session: 030 *Location:* Pacará B 5th Floor
Topic: iPS Cells in Ophthalmology
New perspectives in the application of pluripotent stem cell technologies for studying retinal development and disease
Chair: Miguel Flores-Bellver, PhD
Presenter: M. Valeria Canto Soler, PhD
Presentation: Building a 3D human model of AMD in a dish

Time: 18:00 - 20:00 ART
Session: 042 *Location:* Jacarandá 5th Floor
Topic: Lens
Posterior capsule opacification
Presenter: Ram Nagaraj, PhD
Presentation: Lens epithelial senescence in PCO

Wednesday, October 23, 2024

Time: 08:00 - 10:00 ART
Session: 090 *Location:* Quebracho A 5th Floor
Topic: Retina Cell Biology Retinal Neuroscience and Development
Cellular mechanisms of visual system development and their impact on disease
Chair: Natalia Vergara, Ph.D.

Time: 13:00 - 15:00 ART
Session: 077 *Location:* Alerce 5th Floor
Topic: Ocular Physiology, Pharmacology and Therapeutics
Small heat shock proteins as therapeutics for eye diseases
Chair: Ram Nagaraj, PhD
Presenter: Mi-Hyun Nam, PhD
Presentation: HSPB1 treatment protects against Retinal Ganglion Cell death in glaucoma

Time: 15:30 - 17:30 ART
Session: 112 *Location:* Buen Ayre A 2nd Floor
Topic: Retinal Neuroscience and Development
Learning about retinal development from stem cell-derived organoids
Chair: M. Valeria Canto-Soler, PhD
Chair and Presenter: Natalia Vergara, PhD
Presentation: Retinal organoids to understand cell number control in the human retina: The case of Down syndrome

Time: 17:30 - 19:00 ART
Session: 132 *Location:* Foyer
Topic: Poster Session
Presenter: Adam Almeida, PhD (Post-Doctoral Fellow)
Poster: Notch signaling influences retinal progenitor fate outcomes downstream of cell cycle exit