

Date	Start Time	End Time	Title	Session	Location	Topic	Authors (*Presenter)
5/3/2026	8:00 AM	9:45 AM	0019: Detecting visual field defects using size modulation perimetry: a cost-effective and optimized approach to test the visual field	Poster Session: Visual fields and other functional testing	Exhibit Hall	Glaucoma	<i>*Sahana Sarin , Joseph Andrew Heyrman, ANDREW E. POUW, Ronak Sandhu Singh, Michael Wall, Edward Fort Linton</i>
5/3/2026	8:00 AM	9:45 AM	0107: Monocyte recruitment in early age-related macular degeneration by secretion of CCL5 from complement injured choroidal endothelial cells.	Poster Session: AMD pathology I	Exhibit Hall	Retinal Cell Biology	<i>*Rachel Moore , Megan Hentges, Kelly Mulfaul</i>
5/3/2026	8:00 AM	9:45 AM	0122: Investigating Complement and its Regulators in the Aging Human Choroid Using a Single-cell Multi-omics Approach	Poster Session: AMD pathology I	Exhibit Hall	Retinal Cell Biology	<i>*Renato Jensen , Nathaniel Mullin, Rachel Moore, Kelly Mulfaul, Emma M. Navratil, Edwin M. Stone, Budd A. Tucker, Robert F. Mullins</i>
5/3/2026	8:00 AM	9:45 PM	0134: Development of hydrogel mediated choroidal endothelial cell replacement for the treatment of AMD	Poster Session: AMD pathology I	Exhibit Hall	Retinal Cell Biology	<i>*Ian Han, Narendra Pandala, Lorena Haefeli, Emily E. Meyering, Edwin M. Stone, Robert F. Mullins, Budd A. Tucker</i>
5/3/2026	8:00 AM	9:45 AM	0807: AI-Enabled OCT Biomarkers Expose Genotype-Linked Fluid Signatures in Neovascular AMD	Poster Session: AMD imaging I	Exhibit Hall	Retina	<i>*Jonathan A. Chen , Zhi Chen, Thomas Martinez, Ian Han, Elaine Binkley, H Culver Boldt, Stephen R. Russell, Edwin M. Stone, Todd E. Scheetz, John H. Fingert, Milan Sonka, Elliott H. Sohn</i>
5/3/2026	1:00 PM	2:45 PM	0205: Development of acriflavine loaded polyurethane nanocapsules for the sustained treatment of choroidal neovascularization	Poster Session: AMD: New drugs, delivery systems, and mechanisms of action II	Exhibit Hall	Physiology/Pharmacology	<i>*Narendra Pandala , Lorena Haefeli, Adnan Khan, Hailey Steffan, Jake Miller, Emily E. Meyering, Edwin M. Stone, Ian Han, Erin Lavik, Robert F. Mullins, Budd A. Tucker</i>
5/3/2026	1:00 PM	2:45 PM	0216: MMP9 Genotype Predicts Long-Term Visual Response to Anti-VEGF Therapy in Neovascular AMD	Poster Session: Wet AMD clinical research I	Exhibit Hall	Retina	<i>*Thomas L. Martinez, Zachary T. Steinmetz, Jonathan A. Chen, Benjamin Roos, John H. Fingert, Ian Han, Elaine Binkley, H Culver Boldt, Stephen R. Russell, Edwin M. Stone, Todd E. Scheetz, Kai Wang, Elliott H. Sohn</i>
5/3/2026	1:00 PM	2:45 PM	0789: Evaluating the pathophysiology of a rare CEP290 variant in patient-derived iPSCs and retinal organoids	Poster Session: 2D and 3D disease modeling	Exhibit Hall	Retinal Cell Biology	<i>*Erin R. Burnight , Cathryn M. Schaeffer, Benjamin D. Brophy, Robert F. Mullins, Edwin M. Stone, Budd A. Tucker</i>
5/3/2026	1:00 PM	2:45 PM	0795: Turbidity Sensing for Controlled Dissociation of Retinal Organoids	Poster Session: 2D and 3D disease modeling	Exhibit Hall	Retinal Cell Biology	<i>*Nicholas Stone , Laura R. Bohrer, Allison Wright, Robert F. Mullins, Budd A. Tucker</i>
5/3/2026	2:00 PM	2:15 PM	A tripartite AAV system with engineered lox sites enables efficient delivery of the EYS gene for retinal gene therapy	Poster Session: Gene editing and gene therapy I	405	Biochemistry/Molecular Biology	<i>*Seongjin Seo , Kun-Do Rhee, Poppy Datta, Clairissa Baccam</i>
5/3/2026	3:15 PM	5:00 PM	0679: Loss of Kv8.2 is associated with osmotic stress in the outer retina.	Poster Session: Biochemistry and molecular biology of retina/RPE	Exhibit Hall	Biochemistry/Molecular Biology	<i>*Sheila A. Baker , Joseph G. Laird, James Soetedjo, Shivangi M. Inamdar, Alex Bock, Ehimenmen S. Ataman, Bruce A. Berkowitz</i>
5/3/2026	3:15 PM	5:00 PM	0727: An in-depth analysis of the serum proteome of patients with auto immune retinopathy	Poster Session: Retinal degeneration: Models and mechanisms	Exhibit Hall	Retinal Cell Biology	<i>*Shradha Darira , Timothy Boyce, Jeaneen L. Andorf, Dalyz Ochoa, Meagan A. Luse, Robert F. Mullins, Edwin M. Stone, Budd A. Tucker</i>

5/3/2026	3:15 PM	5:00 PM	0739: Histologic and biochemical evaluation of donor eyes with autosomal dominant neovascular inflammatory vitreoretinopathy	Poster Session: Retinal degeneration: Models and mechanisms	Exhibit Hall	Retinal Cell Biology	*Madeleine Kongthaworn Jennisch , Nasreen Syed, Budd A. Tucker, Edwin M. Stone, Robert F. Mullins, Timothy Boyce
5/3/2026	3:15 PM	5:00 PM	1046: Characterizing the discourse participants of the online community r/Glaucoma in 2025	Poster Session: Health economics and the health care delivery	Exhibit Hall	Clinical/Data Science & Population Health Research	*Grant Leach , Lilly Gonzalez, ANDREW E. POUW
5/3/2026	3:15 PM	5:00 PM	1071: Intravitreal Injection Preparation: A retrospective cohort study	Poster Session: Health economics and the health care delivery	Exhibit Hall	Clinical/Data Science & Population Health Research	*Maram El-Geniedy , Daniel Park, Brooklyn Campbell, Amanda Kay Hertel, Shreeya Dalla, Mary Champion, Martin A. Mainster, Radwan Aijan
5/4/2026	9:20 AM	10:00 AM	Friedenwald Award Lecture: Val Sheffield and Edwin Stone - The First 40 Years of Molecular Ophthalmology	Award Lecture	Bluebird Ballroom 2/3		*Val Sheffield, *Edwin Stone
5/4/2026	11:15 AM	1:00 PM	0194: Genetic polymorphism is associated with ocular gene therapy toxicity risks in mice	Poster Session: Novel discoveries using cell and animal models of disease	Exhibit Hall	Biochemistry/Molecular Biology	*Ying Hsu , Brianna Schoenfeld, Mackenzie Bengen, Ethan Brandauer, Naim Chabaytah, Emma VandeLune, Val Sheffield, Jacob Michaelson, Arlene V. Drack
5/4/2026	11:15 AM	1:00 PM	0947: A metric for evaluating wavefront guided HOA treatment: visual performance weighted RMS	Poster Session: Wavefront aberrations, refractive correction, and adaptive optics	Exhibit Hall	Visual Psychophysics/Physiological Optics	*Christine W. Sindt , Daniel R. Neal
5/4/2026	11:30 AM	11:45 AM	Developing Spatial Transcriptomics Methods for Fuchs Endothelial Corneal Dystrophy Analysis	Paper Session: Corneal endothelium	Mile High 2B	Cornea	*Joshua Kettelkamp , Jessica Skeie, Hanna Shevalye, Raneesh Ramarapu, Gregory Schmidt, Sara M. Thomasy, Mark A. Greiner
5/4/2026	12:15 PM	12:30 PM	Ferroptosis Inhibition Drives Multi-System Therapeutic Strategy in Fuchs Endothelial Corneal Dystrophy: Insights from High-Throughput Screening of Repurposed Compounds	Paper Session: Corneal endothelium	Mile High 2B	Cornea	*Apurva Dusane , Jessica Skeie, Timothy Eggleston, Gregory Schmidt, Mark A. Greiner, Aliasger Salem
5/4/2026	3:00 PM	4:45 PM	Pediatric ophthalmology	Paper Session: Pediatric ophthalmology	Mile High 1A	Eye Movements/Strabismus/Amblyopia/Neuro-Ophthalmology	<i>Yi Pang (Illinois Coll of Optom)</i> Alina Valentina Dumitrescu (Department of Ophthalmology Univ of Iowa)
5/4/2026	3:00 PM	4:45 PM	Photoreceptor cell biology	Paper Session: Photoreceptor cell biology	Mile High 4A	Retina Cell Biology	<i>Heike Kroeger (University of Georgia Athens)</i> Sheila A Baker (University of Iowa)
5/4/2026	3:00 PM	4:45 PM	0406: Intercellular junctions and mechanotransduction in Fuchs endothelial corneal dystrophy	Poster Session: Fuchs endothelial corneal dystrophy	Exhibit Hall	Cornea	*Brian Young , Lauren R. Berry, Jessica Skeie, Hanna Shevalye, Timothy Eggleston, Sara M. Thomasy, Mark A. Greiner <i>Sheila A Baker (University of Iowa)</i>
5/4/2026	3:00 PM	4:45 PM	0407: Comparison of the rho-kinase inhibitors netarsudil and ripasudil for the treatment of Fuchs endothelial corneal dystrophy	Poster Session: Fuchs endothelial corneal dystrophy	Exhibit Hall	Cornea	*Aditya Somisetty , Jessica Skeie, Hanna Shevalye, Apurva Dusane, Timothy Eggleston, Aliasger Salem, Mark A. Greiner
5/4/2026	3:00 PM	4:45 PM	0418: Transferrin receptor-targeted Ubiquinol-loaded PLGA nanoparticles for Fuchs endothelial corneal dystrophy (FECD)	Poster Session: Fuchs endothelial corneal dystrophy	Exhibit Hall	Cornea	*Swathi Kalidindi , Youssef Wahib Naguib Ibrahim, Mohammad Alnatour, Pornpoj Phruttiwanichakun, Sanjib Saha, Hanna Shevalye, Aliasger Salem, Mark A. Greiner
5/4/2026	3:00 PM	4:45 PM	0716: Agreement of Tono-Vera and iCare With Goldmann Applanation Tonometry for Intraocular Pressure Measurements in a Real-World Setting	Poster Session: Diagnosis, monitoring, telemedicine, and clinical decision making	Exhibit Hall	Glaucoma	*Ronak Sandhu Singh , Danielle Pellack, ANDREW E. POUW
5/4/2026	3:00 PM	4:45 PM	0791: Widefield Laser Speckle Blood Flow Maps Improve Detection of Reduced Blood Flow in Age-Related Macular Degeneration After Controlling for Choroid Thickness	Poster Session: Intraocular pressure, aqueous humor dynamics, blood flow	Exhibit Hall	Physiology/Pharmacology	*Camden Arnold, Michael B. Jones, Boehme A. Jacob, Joanna Gebhardt, Zhi Chen, honghai zhang, Noriyoshi Takahashi, Jui-Kai Wang, Elliott H. Sohn, Randy H. Kardon, Edward Fort Linton

5/4/2026	3:00 PM	4:45 PM	0792: Laser speckle flowgraphy demonstrates low ocular blood flow in eyes with reticular pseudodrusen	Poster Session: Intraocular pressure, aqueous humor dynamics, blood flow	Exhibit Hall	Physiology/Pharmacology	<i>*Edward Fort Linton , Camden Arnold, Michael B. Jones, Boehme A. Jacob, Joanna Gebhardt, Zhi Chen, honghai zhang, Noriyoshi Takahashi, Jui-Kai Wang, Elliott H. Sohn, Randy H. Kardon</i>
5/4/2026	4:15 PM	4:30 PM	Beyond the buzz - what is the clinical use of nystagmus movement recordings in children?	Paper Session: Beyond the buzz - what is the clinical use of nystagmus movement recordings in children?	Mile High 1A	Eye Movements/Strabismus/Amblyopia/Neuro-Ophthalmology	<i>*Alina Valentina Dumitrescu , Tara L. Bragg, Joel VandeLune, Kristin Davis, Anthony H. Chen, Valencia L. Potter, Arlene V. Drack</i>
5/5/2026	1:15 PM	3:00 PM	Corneal epithelium: Emerging strategies for corneal epithelial repair	Paper Session: Corneal epithelium: Emerging strategies for corneal epithelial repair	Mile High 2B	Cornea	<i>Shinri Sato (Keio University) Catherine Lee (University of Iowa)</i>
5/5/2026	1:15 PM	3:00 PM	Photoreceptors and outer retina processing	Paper Session: Photoreceptors and outer retina processing	Mile High 4A	Visual Neuroscience	<i>Sheila A Baker (University of Iowa) Yuchen Wang (University of Alabama at Birmingham)</i>
5/5/2026	1:15 PM	3:00 PM	0250: Adipose-Derived Mesenchymal Stem Cells Increase Aqueous Humor Outflow Facility in Human Eyes	Poster Session: Aqueous outflow cell biology and mechanobiology	Exhibit Hall	Glaucoma	<i>*Markus H. Kuehn , Alireza Salimi, Catherine Lee, C Ross Ethier</i>
5/5/2026	1:00 PM	3:00 PM	0268: Transcriptomic Changes in Primary Human Trabecular Meshwork Cells After Co-Culture With iPSC-Derived TM Cells	Poster Session: Aqueous outflow cell biology and mechanobiology	Exhibit Hall	Glaucoma	<i>*Alireza Salimi , Catherine Lee, Markus H. Kuehn</i>
5/5/2026	1:15 PM	3:00 PM	0769: Characterization of Human Choroidal Macrophages via immunohistochemistry	Poster Session: AMD pathology II	Exhibit Hall	Retina Cell Biology	<i>*Zoe Hettinger , XiuYing Liu, Robert F. Mullins, Kelly Mulfaul</i>
5/5/2026	1:15 PM	3:00 PM	0783: Recellularization of human choroid with iPSC derived endothelial cells ex vivo	Poster Session: AMD pathology II	Exhibit Hall	Retina Cell Biology	<i>*Jack Emery Brown Miller , Megan Riker, Edwin M. Stone, Budd A. Tucker, Robert F. Mullins</i>
5/5/2026	1:00 PM	3:00 PM	0816: Iris Lesion Characteristics: Differentiating Pigmentation from Melanoma	Poster Session: Uveal melanoma	Exhibit Hall	Anatomy and Pathology/Oncology	<i>*Danielle Pellack, Kaitlyn Grimes, ANDREW E. POUW</i>