

POSTER SESSION

PAPER SESSION

DAY	TIME	AUTHOR BLOCK	TITLE / PRESENTATION	LOCATION	SPEAKER / MODERATORS
Sunday, May 4	1:00 p.m.	*Cynthia Owsley, Gerald McGwin, Mark E. Clark, Liyan Gao, Lindsay Gooden, Tracy Thomas, Lukas Goerdts, Christine A. Curcio	B0009: Delayed Rod-Mediated Dark Adaptation in Normal Older Eyes is associated with Incident AMD and in Early AMD Eyes with AMD Progression: ALSTAR2	Hall A-E	Cynthia Owsley
Sunday, May 4	1:00 p.m.	*Arthur DeCarlo, Brian C. Samuels	B0381: Aqueous flow, IOP, and outflow facility responses to isoflurane fluctuation in the rat	Hall A-E	Arthur DeCarlo
Sunday, May 4	3:15 p.m.	*Christopher A. Girkin, Evan Walker, Karla Murillo, Anuwat Jiravarnsirikul, Linda M. Zangwill, Robert Weinreb, Jeffrey M. Liebmann, Massimo Antonio Fazio	B0305: Remodeling of the Lamina Cribrosa Over Time Predicts Functional Loss in Primary Open Angle Glaucoma Patients	Hall A-E	Chrisopher Girkin
Sunday, May 4	3:15 p.m.	*Massimo Antonio Fazio, Mary Anne Garner, Kendra Scarlett Reynoso Moreno, Mark E. Clark, Christopher A. Girkin	B0318: Optic nerve head strain and perfusion is response to acute IOP elevation in brain dead organ donors	Hall A-E	Massimo Fazzio
Sunday, May 4	3:45 p.m.	*Maria B. Grant, Ram Prasad, Yvonne Adu-Rutledge, Edgar Ready V, Sarbodeep Paul, Sergio Li Calzi, Emory Johnson, Michael Boulton	The gut microbial metabolite, Indole 3-propionic acid, serves as a biomarker of diabetic retinopathy (DR)	255F	Maria Grant
Sunday, May 4	4:00 p.m.	*Rafael Grytz, Mustapha El Hamdaoui, Nikisha McFall, Mahmoud T. KhalafAllah, Richard A. Lang	The μ -opic: a metric for assessing violet-indigo-blue light for myopia suppression	Ballroom I	Rafael Grytz
Sunday, May 4	4:30 p.m.	*Mahmoud T. KhalafAllah, Nilda Sanchez, Jeffrey D. Messinger, James Mobley, Priya Chaudhary, Safal Khanal, Rafael Grytz	Experimental High Myopia Induces Changes in Retinal Proteomics but not Retinal Function or Axonal Counts	Ballroom I	Mahmoud KhalafAllah

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AWARD LECTURE

DAY	TIME	AUTHOR BLOCK	TITLE / PRESENTATION	LOCATION	SPEAKER / MODERATORS
Monday, May 5	8:30 a.m.	*Lyne Racette, Eunice Choe, Shervonne Poleon	A0249: Illness Perceptions and their Relationship with Medication Adherence in Primary Open-Angle Glaucoma	Hall A-E	Lyne Racette
Monday, May 5	8:30 a.m.	*Sergio Li Calzi, Dibyendu Chakraborty, Yvonne Adu-Rutledge, Ram Prasad, Michael Boulton, Maria B. Grant	B0198: Synergistic effects of human induced pluripotent stem cell (iPSC)-derived CD34+ and endothelial colony forming cells (ECFC) in correcting vasodegeneration and neurodegeneration in a diabetic retinopathy (DR) mouse model	Hall A-E	Sergio Li Calzi
Monday, May 5	8:30 a.m.	*Ram Prasad, Jason Floyd, Bright Asare-Bediako, Dibyendu Chakraborty, Yvonne Adu-Rutledge, Maria B. Grant	B0199: Immunomodulation by bone marrow (BM) cells expressing increased levels of angiotensin-converting enzyme 2 (ACE2) corrects diabetic retinopathy (DR) in type 1 diabetic (T1D) mice.	Hall A-E	Ram Prasad
Monday, May 5	8:45 a.m.	*Lukas Goerdt, Mark E. Clark, Tracy Thomas, Liyan Gao, Gerald McGwin, Martin Hammer, Kenneth R. Sloan, Cynthia Owsley, Christine A. Curcio	Lifetimes in fluorescence lifetime imaging ophthalmoscopy (FLIO) lengthen as rod mediated dark adaptation (RMDA) slows in aging and age-related macular degeneration (AMD): ALSTAR2	255ABC	Lukas Goerdt
Monday, May 5	9:30 a.m.	*Gianfranco Bianco, Samuel Insignares, John Kuchtey, Rachel W. Kuchtey	Increasing biomechanical sensitivity of sclera to intraocular pressure loading in mice with mutations in extracellular matrix genes	250	Gianfranco Bianco
Monday, May 5	11:30 a.m.	*Christine A. Curcio *Cynthia Owsley	Proctor Medal Lecture: The science of rod-mediated dark adaptation for age-related macular degeneration	Hall 2/3	Christine A. Curcio Cynthia Owsley
Monday, May 5	3:00 p.m.	*Sourav Datta, Lyne Racette	A0224: Prevalence of Ocular Conditions Among Individuals with Mobility Impairment: Analysis of the National Health Interview Survey Data	Hall A-E	Sourav Datta
Monday, May 5	3:00 p.m.	*Owen James Harris, William Christopher Illiano, Jason Neal Crosson	B0145: Comparative Outcomes of Inverted Internal Limiting Membrane (ILM) Flap vs. ILM Peeling in Small-to-Medium-Sized Macular Holes	Hall A-E	Owen James Harris
Monday, May 5	3:00 p.m.	*Fadeela Sheini, Sergio Li Calzi, Dorota Skowronska-Krawczyk, Julia V. Busik, Maria B. Grant	B0284: Intravitreal administration of AAV8 ELOVL2/ ELOVL4 combination as a novel therapeutic approach for Retinopathy of Prematurity	Hall A-E	Fadeela Sheini
Monday, May 5	3:00 p.m.	*Seongjin Lim, Mustapha El Hamdaoui, Rafael Grytz	A0320: Micro-Indentation Reveals Thickness-Dependent Variations in Scleral Stiffness	Hall A-E	Seongjin Lim

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Tuesday, May 6	1:15 p.m.	*Hadi Shirazi, Nithin Manohar Rayudu, William Dupps, Rafael Grytz	A0367: Heterogeneous Corneal Properties Can Improve Patient-Specific Model Predictions of LASIK Surgery Outcomes	Hall A-E	Hadi Shirazi
Tuesday, May 6	1:15 p.m.	*Will Johnston, Sarah Kim, Deepayan Kar, Liyan Gao, Mark E. Clark, Gerald McGwin, Kenneth R. Sloan, Cynthia Owsley, Christine A. Curcio, Lukas Goerdt	B0032: Hypertransmission defects, related features, and their association with vision at the aging-age-related macular degeneration (AMD) transition	Hall A-E	Will Johnston
Tuesday, May 6	1:15 p.m.	*Jeffrey Messinger, Kenneth R. Sloan, Andreas Berlin, Malia Michelle Edwards, Jacques Bijon, K Bailey Freund, Christine A. Curcio	B0037: Photoreceptor (PR) ultrastructure in the outer junctional zone (OJZ) of geographic atrophy (GA) of age-related macular degeneration (AMD), a quantitative clinicopathologic correlation	Hall A-E	Jeffrey Messinger
Tuesday, May 6	1:15 p.m.	*Andreas Berlin, Lukas Goerdt, Sarah Kim, Liyan Gao, Mark E. Clark, Tracy Thomas, Gerald McGwin, Jason Neal Crosson, Kenneth R. Sloan, Cynthia Owsley, Christine A. Curcio	B0062: qAF8 is not associated with early stages of AMD: ALSTAR2 follow-up cohort	Hall A-E	Andreas Berlin
Tuesday, May 6	3:45 p.m.	*Christine A. Curcio, Gerald McGwin, Mark E. Clark, Liyan Gao, Lindsay Gooden, Tracy Thomas, Lukas Goerdt, Cynthia Owsley	At the beginnings of age-related macular degeneration (AMD) rod-mediated dark adaptation (RMDA), and no other visual tests, is worse at baseline in eyes that progress at 3 years: prospective data from ALSTAR2	255ABC	Christine A. Curcio
Tuesday, May 6	5:00 p.m.	*Emory Johnson, Ehsan Kaffash, Assylbek Zhylkibayev, Sergio Li Calzi, Sagun Poudel, Julio Ocana-Ortiz, Qingguo Xu, Maria B. Grant, Marina Gorbatyuk	Rexinoid microparticles prevent the development of diabetic retinopathy	Ballroom B	Emory Johnson

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Wednesday, May 7	10:15 a.m.	*Mustapha El Hamdaoui, Richard A. Lang, Rafael Grytz	B0405: Monocular Violet Light-Emitting Eyewear Slows Binocular Induced Myopia in Tree Shrews	Hall A-E	Mustapha El Hamdaoui
Wednesday, May 7	11:45 a.m.	*Tylor R. Lewis, Carson M. Castillo, Sebastien Phan, Camilla R. Shores, Keun-Young Kim, Mark H. Ellisman, Oleg Alekseev, Marie E. Burns, Vadim Y. Arshavsky	Photoreceptor outer segment renewal is not dependent on a close apposition to the retinal pigment epithelium	Ballroom B	Tylor Lewis
Wednesday, May 7	2:00 p.m.	*Sarbodeep Paul, Ram Prasad, Yvonne Adu-Rutledge, Edgar Ready V, Emory Johnson, Sergio Li Calzi, Ayselbek Zhylkibayev, Marina S. Gorbatyuk, Maria B. Grant	A0058: Restoration of enteric angiotensin converting enzyme 2 (ACE2) level delays the onset of diabetic retinopathy (DR) in the high fat diet (HFD)-low dose streptozotocin (STZ) murine model of type 2 diabetes (T2D)	Hall A-E	Sarbodeep Paul
Wednesday, May 7	2:00 p.m.	*Nicholas Medawar, Akanksha Malepati, Ram Prasad, Sarbodeep Paul, Jason Neal Crosson, John Mason, Edmund Arthur, Edgar Ready V, Jason Floyd, Maria B. Grant	A0353: Serum Insulin-like Growth Factor-1 and Neutrophil-to-lymphocyte ratio in Individuals with Diabetic Retinopathy (DR) and Diabetic Macular Edema (DME)	Hall A-E	Nicholas Medawar
Wednesday, May 7	2:00 p.m.	*Sadhana Sharma, Lisa Hethcox, J Crawford C. Downs, Lawrence C. Sincich	A0425: Foveolar deficits from experimental glaucoma revealed in primary visual cortex	Hall A-E	Sadhana Sharma,

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Thursday, May 8	9:45 a.m.	*Christina M. Nicou, Lisa Hethcox, Jalen Boynton, Jack Albert, Dorota Skowronska-Krawczyk, J Crawford C. Downs	B0261: The impact of discrete IOP challenge on retinal ganglion cell (RGC) function in old nonhuman primates (NHPs)	Hall A-E	Christina Nicou