

Shiley Eye Institute ARVO Schedule 2024

Date	Pacific Time	Session	Location	Poster/Paper	Posterboard # / Presentation #	Authors	Title
On Demand		Glaucoma		Paper	OD40	Nicole Pedroarena, Naimul Alam, Amit Patel, Jiun Do	Enhancing retinal ganglion cell (RGC) survival in rat eyes after optic nerve crush (ONC) through GNE-495 mediated inhibition of germinal cell kinase four (GCK-IV)
On Demand		Retina		Paper	OD74	Shaden Yassin, Naomi Wagner, Paripoorna Sharma, Evan Walker, Fritz Gerald Paguiliglan Kalaw, Thiago DeOliveira, Katherine Andersen, Molly Marra, Lesley Everett, Paul Yang, Mark E. Pennesi, Shyamanga Borooh	Characterization of Flavimaculatus-Like Phenotype in PRPH2 associated Inherited Retinal Disease
Saturday, May 4							
Saturday, May 4	1:30PM - 1:45PM PT	Education Course (separate registration fee required)	606 - Arch Building	Paper		Sally Liu Baxter	Predictive analytics in glaucoma
Sunday, May 5							
Sunday, May 5	8:00AM - 9:45AM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	B0671	Akshay Reddy, Jimmy Chen, Malvika Arya, Zachary Koretz, Eman Al-Sharif, Marissa Shoji, Fritz Gerald Kalaw, Medi Eslani, Justin Arnett, Aliya Roginiei, Jiun Do, Jolene Rudell, Shira Robbins, Sally Baxter, Robert Weinreb, David Granet	Can ChatGPT Write like an Ophthalmologist? Assessment of ChatGPT-generated Clinical Discussions
Sunday, May 5	8:00AM - 9:45AM PT	Eye Movements/Strabismus/Amblyopia/Neuro-Ophthalmology	Exhibit Hall	Poster	A0318	Daniel Wanderer, Xiaowei Zhang, Ye He, Rustum Karanjia, SriniVas R. Sadda, Brandon Macias, Steven Laurie, Alex S. Huang	Optic Nerve Vascular Leakage in a 30-day Head-down Tilt Bedrest Model of Space-flight Associated Neuro-ocular Syndrome (SANS)
Sunday, May 5	8:00AM - 9:45AM PT	Retina	Exhibit Hall	Poster	B0293	William R. Freeman , Anna Heinke, Alexandra Warter, Ines Nagel, Akshay Prashant Agnihotri, Fritz Gerald Paguiliglan Kalaw, Carlo Galang, Daniel Deussen, Dirk-Uwe G. Bartsch, Lingyun Cheng	Faricimab for highly resistant CNV in wet age-related macular degeneration- 7 months observations using artificial intelligence
Sunday, May 5	8:00AM - 9:45AM PT	Retinal Cell Biology	Exhibit Hall	Poster	B0419	Kevin Tenerelli, Lucija Pintarić, Joseph Miller, Andrew Tran, Cayce Dorrier, Everett Han, Vedant Garg, Richard Daneman, Eric Nudleman	Delineating Cellular and Molecular Mechanisms of Pre-Retinal Fibrosis
Sunday, May 5	1:00PM - 2:45PM PT	Genetics Group	Exhibit Hall	Poster	A0515	DaNae Woodard, Kelsey Dang, Pooja Biswas, Anne Marie Berry, Danielle Lazaro, Allen Wang, Radha Ayyagari	Multi-omic analysis of RPE and photoreceptor pathology in early-onset retinal degeneration in Mfrp ^{-/-} mice
Sunday, May 5	1:00PM - 2:45PM PT	Glaucoma	Exhibit Hall	Poster	B0075	Wonkyu Ju , Tonking Bastola, Guy Perkins, Keun-Young Kim	Activating soluble adenylyl cyclase regulates mitochondria, rescues retinal ganglion cells, and ameliorates visual dysfunction caused by oxidative stress
Sunday, May 5	1:00PM - 2:45PM PT	Glaucoma	Exhibit Hall	Poster	B0091	Connie Huang, Sasha Medvidovic, Timothy Kim, Gigi Niu, Anahit Simonyan, Pooyan Pahlavan, Ege Iseri, Vahini Garimella, Mahnaz Shahidi, Darrin Jason Lee, Biju Thomas, Derek S. Welsbie , Gianluca Lazzi, Kimberly K. Gokoffski	Electric Field Stimulation Collaborates with Ciliary Neurotrophic Factor to Direct Retinal Ganglion Cell Axon Regeneration After Optic Nerve Crush Injury
Sunday, May 5	1:00PM - 2:45PM PT	Retina	Exhibit Hall	Poster	B0403	Fritz Gerald Paguiliglan Kalaw, Cindy Xinji Cai, Kareem Moussa, Brian C. Toy, Jessica Shantha, Durga S. Borkar, Sally Liu Baxter	Gap analysis of retinal diagnostic codes in SNOMED International
Sunday, May 5	3:15PM - 5:00PM PT	Eye Movements/Strabismus/Amblyopia/Neuro-Ophthalmology	Exhibit Hall	Poster	A0357	Angel Bert Sambo, Leo Meller, Nam Nguyen, Shira Robbins, David Granet	Characteristics and Publication Rates of Registered Strabismus Trials from ClinicalTrials.gov
Sunday, May 5	3:15PM - 5:00PM PT	Glaucoma	Exhibit Hall	Poster	B0028	Seung Hyen Lee, Jung Hyun Seo, Alex S. Huang	Structural Characteristics of Choroidal Microvascular dropout in Primary Open-Angle Glaucoma: comparison between width and area

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Date	Pacific Time	Session	Location	Poster/Paper	Posterboard # / Presentation #	Authors	Title
Sunday, May 5	3:15PM - 5:00PM PT	Physiology/Pharmacology	Exhibit Hall	Poster	B0067	Martin Kallab, Marina Casazza, Sophie Schneider, Olivia Murauer, Anna Reisinger, Matthias Bolz, Alex S. Huang , Clemens Strohmaier	The effect of simulated episcleral venous pressure on total outflow facility in an ex-vivo porcine model for aqueous humor dynamics
Sunday, May 5	3:15PM - 5:00PM PT	Visual Psychophysics/Physiological Optics	Exhibit Hall	Poster	B0663	Leo Meller, Sasan Moghimi , Takashi Nishida, Alireza Kamalipour, Mohsen Adelpour, Vincent Pham, Kyle Bolo, Je Hyun Seo, Pooya Khosravi, Robert Weinreb	Grader agreement of ROTA retinal nerve fiber bundle defects in glaucoma
Sunday, May 5	9:00AM - 9:12AM PT	Vision for the future: Exploring the transformative potential of Artificial Intelligence in Ophthalmology	6E - Arch Building	Symposium	6	Sally Liu Baxter	Transforming Patient Experience: Harnessing AI-Powered Virtual Assistants in Ophthalmology
Sunday, May 5	1:00PM - 2:45PM PT	Physiology/Pharmacology	Yakima 1 - Arch Building	Paper		Moderators: Claire H Mitchell, (University of Pennsylvania) Christopher Toomey , (University of California San Diego)	Metabolic pathways and dynamics in retina/RPE
Sunday, May 5	1:15PM - 1:30PM PT	Section Physiology/Pharmacology	Yakima 1 - Arch Building	Paper	431	Christopher Toomey , Savanna Pflugmacher, Kamalu Park, Jeffrey Esko	Glycosaminoglycan-omics of Bruch's membrane reveals elevated levels of heparan sulfate in early and intermediate Age-related Macular Degeneration
Sunday, May 5	1:45PM - 2:00PM PT	Retina	612 - Arch Building	Paper	406	Byron L. Lam, Arun K. Upadhyay, Shankar Musunuri, Murthy Chavali, Sahar Matloob, Nalin Mehta, David G. Birch, Paul Yang, Benjamin Bakall, Nieraj Jain, Jose S. Pulido, Boroah Shyamanga	Nuclear Hormone Receptor-Based Gene Modifier Therapy: Safety and Efficacy from Phase 1/2 Clinical Trial for Retinitis Pigmentosa Associated with NR2E3 and RHO Mutations
Monday, May 6							
Monday, May 6	8:30AM - 10:15AM PT	Glaucoma	Exhibit Hall	Poster	B0266	Kiana Tavakoli, Sophia Sidhu, Bharanidharan Radha Saseendrakumar, Robert Weinreb , Sally Liu Baxter	Association between Long-term Systemic Use of Calcium Channel Blockers and Primary Open Angle Glaucoma in the All of Us Research Program
Monday, May 6	8:30AM - 10:15AM PT	Glaucoma	Exhibit Hall	Poster	B0250	Manreet Brar, Sonali Bhanvadia, Jo-Hsuan Wu, Kiana Tavakoli, Bharanidharan Radha Saseendrakumar, Ariadne Nichol, Niki Rangin, Daniela Vital, Camille Nebeker, Cynthia Schairer, Robert N. Weinreb , Sally L. Baxter	Comparing Electronic Health Record Adherence Metrics to Self-Reported Adherence among Glaucoma Patients
Monday, May 6	8:30AM - 10:15AM PT	Glaucoma	Exhibit Hall	Poster	A0341	Justin Huynh, Ruben Cesar Gonzalez, Evan Walker, Benton Gabriel Chuter, Alireza Kamalipour, Christopher Bowd , Akram Belghith , Michael Henry Goldbaum , Massimo Antonio Fazio, Christopher A. Girkin, Carlos Gustavo De Moraes, Jeffrey M. Liebmann, Robert Weinreb , Sally Liu Baxter , Linda M. Zangwill , Mark Christopher	Deep Learning Prediction of Glaucoma Progression using Multimodal Transformers and Longitudinal Clinical Data
Monday, May 6	8:30AM - 10:15AM PT	Glaucoma	Exhibit Hall	Poster	B0251	Coral Castro Rivera, Kiana Tavakoli, Manreet Brar, Sonali Bhanvadia, Hassler Bueno, Todd P. Coleman, Ariadne Nichol, Camille Nebeker, Daniela Vital, Cynthia E. Schairer, Robert N. Weinreb , Sally L. Baxter	Measuring Medication Adherence Glaucoma Patients using Novel Sensor Technology
Monday, May 6	8:30AM - 10:15AM PT	Glaucoma	Exhibit Hall	Poster	B0220 - B0290 GL, CL	Moderators: Amanda Bicket, Sally Liu Baxter	Tools and advancements in glaucoma diagnosis, monitoring, medications, and lasers
Monday, May 6	8:30AM - 10:15AM PT	Multidisciplinary Ophthalmic Imaging Group	Exhibit Hall	Poster	A0234	Mark Christopher , Jalil Jalili, Robert Weinreb , Steven Laurie, Brandon Macias, Alex S. Huang	Predicting Spaceflight Associated Neuro-ocular Syndrome Using Artificial Intelligence
Monday, May 6	8:30AM - 10:15AM PT	Physiology/Pharmacology	Exhibit Hall	Poster	B0311	RAGAVA CHETTY NAGARAJ NARESH KUMAR, Hong Xin, Pin Li, Nilima Biswas, Tanja Diemer, Napoleone Ferrara	Pharmacokinetics of novel long-acting VEGF inhibitors

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Date	Pacific Time	Session	Location	Poster/Paper	Posterboard # / Presentation #	Authors	Title
Monday, May 6	3:00PM - 4:45PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	A0331	Sophia Sidhu, Bharanidharan Radha Saseendrakumar, Varsha Varkhedi, Jo-Hsuan Wu, Aman Parikh, Eric Nudleman, Jiun Do, Sasan Moghimi, Robert Weinreb, Sally Liu Baxter	Association of Metformin Use with Primary Open-Angle Glaucoma Using Data from the National Institutes of Health All of Us Research Program
Monday, May 6	3:00PM - 4:45PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	A0312	Michelle Hribar, Sally Liu Baxter , OHDSI Eye Care and Vision Workgroup, Kerry E. Goetz	Data Standardization in the OHDSI Eye Care and Vision Research Workgroup
Monday, May 6	3:00PM - 4:45PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	A0309	Justin C. Quon, Will Halfpenny, Cindy Xinji Cai, Sally Liu Baxter , Brian C. Toy	Mapping Structured EHR Ophthalmic Exam Data to Standard Vocabularies
Monday, May 6	3:00PM - 4:45PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	A0328	Will Halfpenny, Jo-Hsuan Wu, Manreet Brar, Robert Weinreb, Sally Liu Baxter	Social factors associated with the risk of converting to definite glaucoma among glaucoma suspect patients: an All of Us study
Monday, May 6	3:00PM - 4:45PM PT	Glaucoma	Exhibit Hall	Poster	A0470	Natchada Tansuebchueasai, Sasan Moghimi , Alireza Kamalipour, Evan Walker, Pooya Khosravi, Jo-Hsuan Wu, Mohsen Adelpour, Vincent Pham, Linda M. Zangwill, Robert Weinreb	Application of short-term retinal nerve fiber layer loss as clinical endpoints for glaucoma progression
Monday, May 6	3:00PM - 4:45PM PT	Glaucoma	Exhibit Hall	Poster	A0466	Vincent Pham, Takashi Nishida, Sasan Moghimi , Natchada Tansuebchueasai, Naimul Alam, Christopher A. Girkin, Massimo Antonio Fazio, Jeffrey M. Liebmann, Linda M. Zangwill, Robert Weinreb	Impact of Initial Rates of Retinal Nerve Fiber Layer Thinning on Glaucoma Progression
Monday, May 6	3:00PM - 4:45PM PT	Glaucoma	Exhibit Hall	Poster	A0439	Alireza Kamalipour, Sasan Moghimi , Pooya Khosravi, Natchada Tansuebchueasai, Cristiana Vasile , Mohsen Adelpour, Gopikasree Gunasegaran, Linda M. Zangwill , Alexander Lam, Christopher Leung, Robert N. Weinreb	Macular Involvement and Central Structure-Function Association in Glaucoma with Retinal Nerve Fiber Layer Optical Texture Analysis
Monday, May 6	3:00PM - 4:45PM PT	Glaucoma	Exhibit Hall	Poster	A0447	Gopikasree Gunasegaran, Sasan Moghimi , Takashi Nishida, Jeffrey M. Liebmann, Massimo Antonio Fazio, Christopher A. Girkin, Jo-Hsuan Wu, Golnoush Mahmoudinezhad, Linda M. Zangwill, Robert Weinreb	Prevalence of Fast Progression in the Central versus Global Visual Field Across Varying Glaucoma Severity Groups
Monday, May 6	3:00PM - 4:45PM PT	Glaucoma	Exhibit Hall	Poster	A0467	Jasmin Rezapour, Evan Walker, Akram Belghith, Christopher Bowd , Massimo Antonio Fazio, Anuwat Jiravarnsirikul, Leslie Hyman, Jost B. Jonas, Robert Weinreb, Linda M. Zangwill	Regional differences in optical coherence tomography (OCT) optic nerve head and macula parameters for detecting glaucoma in eyes with and without high axial myopia
Monday, May 6	3:00PM - 4:45PM PT	Glaucoma	Exhibit Hall	Poster	A0433	Jo-Hsuan Wu, Sasan Moghimi , Evan Walker, Takashi Nishida, Gopikasree Gunasegaran, Natchada Tansuebchueasai, Jeffrey M. Liebmann, Massimo Antonio Fazio, Christopher A. Girkin, Linda M. Zangwill, Robert Weinreb	Time to glaucoma progression detection by retinal nerve fiber layer thickness and visual field in individuals of African descent
Monday, May 6	3:00PM - 4:45PM PT	Glaucoma	Exhibit Hall	Poster	A0451	Naimul Alam, Alireza Kamalipour, Sasan Moghimi , Pooya Khosravi, Natchada Tansuebchueasai, Mohsen Adelpour, Takashi Nishida, Mary K. Durbin, Anya Guzman, Vincent Pham, Justin Huynh, Robert Weinreb	Validation of Optical Coherence Tomography-based Fukai Nakano Risk Score Model for Glaucoma
Monday, May 6	3:00PM - 4:45PM PT	Multidisciplinary Ophthalmic Imaging Group	Exhibit Hall	Poster	A0257	Michael Saheb Kashaf, Golnoush Mahmoudinezhad, Sasan Moghimi , Jiacheng Cheng, Yu Xiang, Liyang Ru, Siavash Beheshtaein, Evan Walker, Mohsen Adelpour, Mark Christopher , Jeffrey M. Liebmann, Christopher A. Girkin, Massimo A. Fazio, Linda M. Zangwill , Nuno Vasconcelos, Robert Weinreb	Estimation of 10-2 Visual Field Maps Based on 24-2 Visual Field Measurements in Glaucoma

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Monday, May 6	3:00PM - 4:45PM PT	Multidisciplinary Ophthalmic Imaging Group	Exhibit Hall	Poster	A0277	Benton Gabriel Chuter, Justin Huynh, Mark Christopher , Ruben Cesar Gonzalez, Evan Walker, Sally Liu Baxter , Akram Belghith , Christopher Bowd , Michael Henry Goldbaum , Jeffrey M. Liebmann, Massimo Antonio Fazio, Christopher A. Girkin, Robert Weinreb , Linda M. Zangwill	A Deep Learning Approach Accurately Estimates RNFL Thickness in OCT Scans Where Instrument-Native Segmentation Fails
Monday, May 6	3:00PM - 4:45PM PT	Retina	Exhibit Hall	Poster	A0150	Anna Heinke, Daniel Deussen, Wyatt Elsner, Carlo Galang, Fritz Gerald Paguiligan Kalaw, Alexandra Warter, Dirk-Uwe G. Bartsch , Lingyun Cheng , William R. Freeman	Manual OCTA Segmentation Correction to Improve Image Quality and Visualization of Choroidal Neovascularization in AMD
Monday, May 6	3:00PM - 4:45PM PT	Retina	Exhibit Hall	Poster	A0144	Akshay Prashant Agnihotri, Anna Heinke, Ines Nagel, Fritz Gerald Paguiligan Kalaw, Lingyun Cheng , Dirk-Uwe G. Bartsch , William R. Freeman	Optical coherence tomography angiography (OCTA) analysis of peripapillary choroidal neovascularization
Monday, May 6	3:15PM - 5:00PM PT	Biochemistry/Molecular Biology	Exhibit Hall	Poster	B0142	Jennifer Hernandez, Kristyn Huffman, Shyamanga Borooh	Peripherin-2 expression: beyond the outer segment
Monday, May 6	9:15AM - 9:30PM PT	Glaucoma	6A - Arch Building	Paper	1453	Christopher A. Girkin, Karla Murillo, Anuwat Jiravarnsirkul, Evan Walker, Massimo Antonio Fazio, Linda M. Zangwill , Robert Weinreb , Jeffrey M. Liebmann	Visual Field Progression Rate and Lamina Depth in the African Descent and Glaucoma Evaluation Study (ADAGES)
Tuesday, May 7							
Tuesday, May 7	8:30AM - 10:15AM PT	Biochemistry/Molecular Biology	Exhibit Hall	Poster	A0513	Donita Garland, Manisha Dagar, DaNae Woodard, Radha Ayyagari	Proteome analysis reveals the pathways involved in disease pathology in mouse models of LORD
Tuesday, May 7	8:30AM - 10:15AM PT	Lens	Exhibit Hall	Poster	B0522	Alexander C. Lieu, Natalie A. Afshari , John H. Huang, Peter X. Shaw , JONGHWA JUN	High Glucose Inhibits Cataractogenesis by Suppression of Autophagic Flux in Lens Epithelial Cells
Tuesday, May 7	8:30AM - 10:15AM PT	Retina	Exhibit Hall	Poster	B0476	Paripoorna Sharma, Fritz Gerald Paguiligan Kalaw, Evan Walker, Shyamanga Borooh	Retinal thickness changes in diabetic patients with peripheral retinal vessel whitening
Tuesday, May 7	8:30AM - 10:15AM PT	Visual Psychophysics/Physiological Optics	Exhibit Hall	Poster	A0242	Vincent Michael Patella, Nevin W. El-Nimri, John G. Flanagan, Timothy Bossie, Derek Ho, Mayra Tafreshi, Michael A. Chaglasian, David Kasanoff, Sasan Moghimi , Takashi Nishida, Murray Fingeret, Robert N. Weinreb	Reference Database for a Novel Binocular Visual Function Analyzer
Tuesday, May 7	1:15PM - 3:00PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	B0389	Sally Liu Baxter , Linda M. Zangwill , Victoria Patronilo, Virginia de Sa, Bradley Voytek, Garrison Cottrell, Camille Nebeker, Samantha Hurst, Cecilia S. Lee, Aaron Y. Lee	Artificial Intelligence Ready and Equitable Atlas for Diabetes Insights (AI-READI) Research Internship Program: Recruiting and Developing a Diverse AI Workforce
Tuesday, May 7	1:15PM - 3:00PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	B0390	Alina Ferguson, Cari Drolet, Trina Kim, Cath Ashley, Julia Owen, Missy Takahashi, Dawn Mathies, Shay Pselio, Sally Liu Baxter , Aaron Y. Lee, Linda M. Zangwill , Cecilia S. Lee, Gerald McGwin, Cynthia Owse	Artificial Intelligence Ready and Equitable Atlas for Diabetes Insights (AI-READI) study: Report on recruitment strategy and pilot data collection
Tuesday, May 7	1:15PM - 3:00PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	B0373	Negin Yavari, S. Saeed Mohammadi, Azadeh Mobasserian, Osama Elaraby, Vahid Bazooj, Amir Akhavanrezayat, Anadi Khatri, Tanya Jain, Zheng Xian Thng, Khiem Sy Nguyen, Woong-Sun Yoo, Cigdem Yasar, Jia-Horung Hung, Quan Dong Nguyen, Natalie A. Afshari , Charles Lin	Utilization of automated machine learning approach toward detection of granular corneal dystrophy using slit-lamp photographs
Tuesday, May 7	1:15PM - 3:00PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	B0391	Dawn Mathies, Julia Owen, Gerald McGwin, Cynthia Owseley, Sally Liu Baxter , Linda M. Zangwill , Cecilia S. Lee, Aaron Y. Lee	Generation of a Multimodal Atlas of Type 2 Diabetes for Artificial Intelligence (AI-READI): Purpose and Design
Tuesday, May 7	1:15PM - 3:00PM PT	Retina	Exhibit Hall	Poster	B0474	Tommaso Mori, Lorena Pérez-Gutiérrez, Napoleone Ferrara	Exploring the therapeutic potential of Oncostatin M in choroidal neovascularization.
Tuesday, May 7	1:15PM - 3:00PM PT	Retina	Exhibit Hall	Poster	B0411	Michael Henry Goldbaum , Christopher Bowd , Linda M. Zangwill , Mark Christopher , Sally Liu Baxter	Grammar for Text Description of the Ocular Fundus

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Tuesday, May 7	1:15PM - 3:00PM PT	Visual Psychophysics/Physiological Optics	Exhibit Hall	Poster	A0272	Dirk-Uwe G. Bartsch, Fritz Gerald Paguiligan Kalaw, Lingyun Cheng , Anna Heinke, Ines Doris Nagel, Alexandra Warter, Akshay Prashant Agnihotri, William R. Freeman	OCT Angiographic changes in patient with Long Covid complications
Tuesday, May 7	3:30PM - 5:15PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	B0630	Timothy Sestak, Yasoda Satpathy, Lauren E. Wedekind, Leo Meller, Fritz Gerald Paguiligan Kalaw, Basil Williams, Sally L. Baxter, Nathan Scott	Trends in publications relating to diversity, equity, and inclusion in ophthalmology research journals, 1980-2023
Tuesday, May 7	3:30PM - 5:15PM PT	Genetics Group	Exhibit Hall	Poster	B0679	Chloe M. Stanton, Randa TH Li, John D. Pound, Camilla Drake, Joseph A. Marsh, Veronique Vitart, Andrew C. Browning, Shyamanga Borooh , Roly Megaw, Alan F. Wright, Caroline Hayward, Baljean Dhillon	Modelling pathogenic variants in C1QTNF5 to investigate genotype-phenotype correlations in late-onset retinal degeneration
Tuesday, May 7	3:30PM - 5:15PM PT	Glaucoma	Exhibit Hall	Poster	B0165	Je Hyun Seo, Takashi Nishida, Sasan Moghimi , Massimo Antonio Fazio, Christopher A. Girkin, Jeffrey M. Liebmann, Linda M. Zangwill, Robert Weinreb	Impact of Physical Activity Levels on Visual Field Progression in Individuals with Glaucoma
Tuesday, May 7	3:30PM - 5:15PM PT	Glaucoma	Exhibit Hall	Poster	B0168	Huiyuan Hou, Alireza Kamalipour, Pooya Khosravi, Natchada Tansuebchueasai, Mohsen Adelpour, Mary Durbin, Christopher Lee, Robert Weinreb, Sasan Moghimi	Predicting Risk of Glaucoma Development in Suspect Eyes Using Swept-Source Optical Coherence Tomography-based Risk Scores
Tuesday, May 7	3:30PM - 5:15PM PT	Retina	Exhibit Hall	Poster	B0119	Bani Antonio-Aguirre, Armaan Akbar, Christopher Toomey , Mandeep S. Singh	Adverse Events and Visual Outcomes After Vitrectomy in Patients with Inherited Retinal Disease
Tuesday, May 7	9:30AM - 9:45AM PT	Multidisciplinary Ophthalmic Imaging Group	Tahoma 2 - Arch Building	Paper	2832	JALIL JALILI, Anuwat Jiravamsirikul, Christopher Bowd, Akram Belghith, Michael Henry Goldbaum, Sally L. Baxter, Linda M. Zangwill, Mark Christopher	Evaluating GPT-4 Diagnostic Proficiency in Glaucoma Detection through Fundus Image Analysis
Tuesday, May 7	3:30PM - 5:15PM PT	Clinical/Epidemiologic Research	Skagit 4 - Arch Building	Minisymposium		Moderators: Neil M Bressler, (Wilmer Eye Institute) Ching-Yu Cheng, (National University of Singapore) Linda M Zangwill , (Univ of California-San Diego)	Envision the future of ophthalmology through generative AI in images and language
Wednesday, May 8							
Wednesday, May 8	10:30AM - 12:15PM PT	Biochemistry/Molecular Biology	Exhibit Hall	Poster	B0121	Samantha Malka, Siying Lin, Elena Schiff, Genevieve Wright, Michel Michaelides, Omar Abdul Rahman Mahroo, Jessica Gardner, Alison J. Hardcastle, Anne Marie Berry, Riccardo Sangermano, Carlo Rivolta, Mathieu Quinodoz, Kinga Maria Bujakowska, Radha Ayyagari , Gavin Arno, Andrew Webster	A single ancestral allele of the gene TMEM216 is a common cause of recessive retinitis pigmentosa in families of African ethnicity
Wednesday, May 8	10:30AM - 12:15PM PT	Biochemistry/Molecular Biology	Exhibit Hall	Poster	B0113	Lori S. Sullivan, Kristy Lee, William Hankey, Radha Ayyagari , Jacque L. Duncan, Andrew Webster	Strategies for Evidence-based Variant Curation for LCA and Early Onset Retinal Dystrophy
Wednesday, May 8	10:30AM - 12:15PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	A0405	Mae O. Gordon, Feng Gao, Michael A. Kass, Julia Huecker, Pradeep Y. Ramulu, Stuart Keith Gardiner, Linda M. Zangwill	Ocular Hypertension Treatment Study: 20 yr quality of life (QoL) outcomes
Wednesday, May 8	10:30AM - 12:15PM PT	Glaucoma	Exhibit Hall	Poster	B0456	Shahin Hallaj, Swarup S. Swaminathan, Sophia Wang, Benjamin Y. Xu, Dilru Amarasekera, Michael V. Boland, Brian Craig Stagg, Michelle Hribar, Kaveri Thakoor, Kerry E. Goetz, Jonathan S. Myers, Aaron Y. Lee, Mark Christopher, Linda M. Zangwill, Robert Weinreb, Sally Liu Baxter	Barriers to automated visual field perimetry data extraction, harmonization, and representation in OMOP
Wednesday, May 8	10:30AM - 12:15PM PT	Glaucoma	Exhibit Hall	Poster	B0460	Takashi Nishida, Sasan Moghimi , Jeffrey M. Liebmann, Massimo Antonio Fazio, Christopher A. Girkin, Linda M. Zangwill, Robert Weinreb	Comparison of Methods for Visual Field Progression in Eyes with Central VF Defects

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Wednesday, May 8	10:30AM - 12:15PM PT	Glaucoma	Exhibit Hall	Poster	B0442	Mohsen Adelpour, Sasan Moghimi , Takashi Nishida, Leo Meller, Alireza Kamalipour, Natchada Tansuebchueasai, Golnoush Mahmoudinezhad, Linda M. Zangwill , Robert Weinreb	Practical Applications of the Short-Term Assessment of Glaucoma Progression Model in Clinical Trials
Wednesday, May 8	10:30AM - 12:15PM PT	Glaucoma	Exhibit Hall	Poster	B0475	Christopher Lee, Juan D. Arias, Mary Durbin, Mayra Tafreshi, David Kasanoff, Jessica Menou, Sasan Moghimi , Nevin W. El-Nimri	Repeatability and Comparability of a Novel Visual Field Analyzer
Wednesday, May 8	10:30AM - 12:15PM PT	Multidisciplinary Ophthalmic Imaging Group	Exhibit Hall	Poster	B0590	Anuwat Jiravamsirikul, Akram Belghith , Jasmin Rezapour, Min Hee Suh, Jost B. Jonas, Evan Walker, Mark Christopher , Massimo Antonio Fazio, Robert Weinreb , Linda M. Zangwill	Rates of choroidal microvascular dropout and macular structural changes in glaucoma eyes with and without high myopia
Wednesday, May 8	10:30AM - 12:15PM PT	Retinal Cell Biology	Exhibit Hall	Poster	B0205	Devansh Agarwal, Manan Chopra, Karl J. Wahlen	scRNA-seq Unveils Subtype Diversity in Directly Converted Human Retinal Ganglion Cells
Wednesday, May 8	2:15PM - 4:00PM PT	Eye Movements/Strabismus/Amblyopia/Neuro-Ophthalmology	Exhibit Hall	Poster	B0045	Marjean T. Kulp, Elise Ciner, G. Lynn Mitchell, Gui-Shuang Ying, Ann Morrison, David Granet , Tawna L. Roberts, Mae Millicent Peterseim, T Rowan Candy, Christine Allison, Sandra S. Block, Bruce Moore, Deborah Orel-Bixler, Shira Robbins , Gayathri Srinivasan	Prescribing Patterns for Children with Astigmatism
Wednesday, May 8	2:15PM - 4:00PM PT	Genetics Group	Exhibit Hall	Poster	B0179	Anne Marie Berry, Pooja Biswas, Gavin Amo, Mathieu Quinodoz, Riccardo Sangermano, Jiao Xiaodong, Mukhtar Ullah, Alison J. Hardcastle, Kelly A. Frazer, James Fielding Hejtmancik, Matteo D'Antonio, S. Amer Riazuddin, Carlo Rivolta, Kinga Maria Bujakowska, Andrew R. Webster, Radha Ayyagari	Identification and evaluation of a non-coding variant located in the 5'-UTR of TMEM216 as an underlying cause of non-syndromic recessive retinal degeneration (RD) in Pakistani families.
Wednesday, May 8	2:15PM - 4:00PM PT	Genetics Group	Exhibit Hall	Poster	B0189	Christopher Hallock, Riccardo Sangermano, Elfride De Baere, Siying Lin, Jennifer Thompson, Pascal Escher, Andrea L. Vincent, Kaylie D. Webb-Jones, Monika Grudzinska Pechhacker, Jacque L. Duncan, Samer Khateb, Tamar Ben-Yosef, David G. Birch, Andrew Webster, Radha Ayyagari	PRPH2 Gene Mutations and Associated Phenotypes in IRD patients with diverse genetic background.
Wednesday, May 8	2:15PM - 4:00PM PT	Genetics Group	Exhibit Hall	Poster	B0192	Naomi E. Wagner, Shyamanga Borooh	Significant reduction in time to clinical diagnosis and genetic testing for inherited retinal disease patients in the past five years
Wednesday, May 8	2:15PM - 4:00PM PT	Multidisciplinary Ophthalmic Imaging Group	Exhibit Hall	Poster	B0647	Xiaowei Zhang, Daniel Wanderer, Clemens Strohmaier, Robert Weinreb , Alex S. Huang	OCT-Angiography and Aqueous Angiography Visualization of Aqueous Humor Outflow in Human Anterior Segment Perfusion Eyes.
Wednesday, May 8	2:15PM - 4:00PM PT	Visual Psychophysics/Physiological Optics	Exhibit Hall	Poster	B0521	Alexander Archariyavivit Svoronos, Brandon Macias, Steven Laurie, Robert Weinreb , Alex S. Huang	Analysis of Spaceflight-Induced Biometric and Refractive Changes in Astronauts
Wednesday, May 8	3:30PM - 5:15PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	B0630	Timothy Sestak, Yasoda Satpathy, Lauren E. Wedekind, Leo Meller, Fritz Gerald Paguiligan Kalaw, Basil Williams, Sally L. Baxter , Nathan Scott	Trends in publications relating to diversity, equity, and inclusion in ophthalmology research journals, 1980-2023
Wednesday, May 8	3:30PM - 5:15PM PT	Genetics Group	Exhibit Hall	Poster	B0679	Chloe M. Stanton, Randa TH Li, John D. Pound, Camilla Drake, Joseph A. Marsh, Veronique Vitart, Andrew C. Browning, Shyamanga Borooh , Roly Megaw, Alan F. Wright, Caroline Hayward, Baljean Dhillon	Modelling pathogenic variants in C1QTNF5 to investigate genotype-phenotype correlations in late-onset retinal degeneration
Wednesday, May 8	11:30AM - 11:45AM PT	Retina	612 - Arch Building	Paper	4291	Mani Woodward, Spencer Burt, Shuibin Ni, Aaron S. Coyner, Susan R. Ostmo, Eric Nudleman , Yali Jia, David Huang, Yifan Jian, J. Peter Campbell, Benjamin Young	Peripheral Choroidal Vascular Development in Retinopathy of Prematurity using Ultra-Widefield Optical Coherence Tomography Angiography

Shiley Eye Institute ARVO Schedule 2024

Date	Pacific Time	Session	Location	Poster/Paper	Posterboard # / Presentation #	Authors	Title
Wednesday, May 8	11:45AM - 12:00PM PT	Glaucoma	6A - Arch Building	Paper	4265	Raymond Fang, Pengpeng Zhang, Daniel Seunggi Kim, Cheng Sun, Junghun Kweon, Alex S. Huang , Hao F. Zhang	In Vivo Visible-light Optical Coherence Tomography for Imaging the Full 360 Degrees of the Conventional Outflow Pathway
Thursday, May 9							
Thursday, May 9	8:00AM - 9:45PM PT	Biochemistry/Molecular Biology	Exhibit Hall	Poster	B0910	Angelene Lara Saluta, Shyamanga Boroah , Kristyn Huffman	Potential treatment for PRPH2 mutation using Adenine Base Editors
Thursday, May 9	8:00AM - 9:45PM PT	Cornea	Exhibit Hall	Poster	B0320	JONGHWA JUN, Alexander C. Lieu, John H. Huang, Peter X. Shaw, Natalie A. Afshari	Hyperosmolar stress induced exosomes contribute to the inflammatory response in human corneal epithelial cells
Thursday, May 9	11:45AM - 1:30PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	B0745	Peter D. Cackett, Shyamanga Boroah , Nader Hindi	Fulfilment of Driving Vehicle Licensing Agency vision criteria for driving among ophthalmology patients with chronic macular conditions and their driving habits: A prospective study
Thursday, May 9	11:45AM - 1:30PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	B0741	Lauren E. Wedekind, Jimmy Chen, Timothy Sestak, Logan H. Sigua, Jazmyn M. Yap, Sidney Lin, Kyle V. Marra, Fritz Gerald Paguiligan Kalaw, Jeffrey E. Lee, Nathan Scott	Ophthalmic care delivery in an academic health system for patients who were incarcerated or in immigration detention, 2018-2023
Thursday, May 9	2:00PM - 3:35PM PT	Retina	Exhibit Hall	Poster	B0791	Rasha kako, Fritz Gerald Paguiligan Kalaw, Evan Walker, Naomi E. Wagner, Shaden Yassin, Ines Nagel, David G. Birch, Boroah Shyamanga	Baseline structural and functional findings from a PRPH2(p.Gly208Asp) natural history study
Thursday, May 9	2:00PM - 3:35PM PT	Retina	Exhibit Hall	Poster	B0778	Ines Doris Nagel, Anna Heinke, Akshay Agnihotri, Fritz Gerald Paguiligan Kalaw, Shaden Yassin, Shyamanga Boroah, Dirk-Uwe G. Bartsch, Nathan Scott, Andrew Camp, Lingyun Cheng, William R. Freeman	Comparison of a novel ultra-wide field three color scanning laser (Optos Red-Green-Blue) to other retinal imaging modalities in imaging of choroidal or retinal lesions
Thursday, May 9	2:15PM - 4:00PM PT	Eye Movements/Strabismus/Amblyopia/Neuro-Ophthalmology	Exhibit Hall	Poster	B0045	Marjean T. Kulp, Elise Ciner, G. Lynn Mitchell, Gui-Shuang Ying, Ann Morrison, David Granet , Tawna L. Roberts, Mae Millicent Peterseim, T Rowan Candy, Christine Allison, Sandra S. Block, Bruce Moore, Deborah Orel-Bixler, Shira Robbins , Gayathri Srinivasan	Prescribing Patterns for Children with Astigmatism
Thursday, May 9	3:30PM - 5:15PM PT	Clinical/Epidemiologic Research	Exhibit Hall	Poster	B0630	Timothy Sestak, Yasoda Satpathy, Lauren E. Wedekind, Leo Meller, Fritz Gerald Paguiligan Kalaw, Basil Williams, Sally L. Baxter, Nathan Scott	Trends in publications relating to diversity, equity, and inclusion in ophthalmology research journals, 1980-2023
Thursday, May 9	11:45AM - 1:30PM PT	Retina	612 - Arch Building	Paper		Moderators: Dorota Skowronska-Krawczyk, (University of California Irvine) Christopher Toomey , (University of California San Diego)	AMD: Translational studies
Thursday, May 9	12:45PM - 1:00PM PT	Retina	612 - Arch Building	Paper	6167	Jimmy Chen, Sally Liu Baxter, Christopher Toomey	Lipid-Associated Risk Factors for Age-Related Macular Degeneration in the All of Us Research Program
Thursday, May 9	3:30PM - 3:45PM PT	Glaucoma	608 - Arch Building	Paper	6478	Golnoush Mahmoudinezhad, Sasan Moghimi , Yu Xuan Yong, Jiacheng Cheng, Liyang Ru, Siavash Beheshtaein, Evan Walker, Mohsen Adelpour, Leo Meller, Mark Christopher , Jeffrey M. Liebmann, Christopher A. Girkin, Massimo A. Fazio, Linda M. Zangwill , Nuno Vasconcelos, Robert Weinreb	From Visual Field to Visual Field: 10-2 Visual Field Map Prediction from 24-2 Visual Field Using Machine Learning and Detection of Central Visual Field Progression