



Date	Time	Session	Location	Type	Abstract/Posterboard #	Authors	Title
5/6/17	9:50am - 10:15am	<i>Stem cells and organoids as models of tissue differentiation and eye disease</i>	Room 309	Presentation	Education Course	Zhang K	Lens: regeneration of lens from endogenous stem cells
5/7/17	8:30am - 10:15am	<i>AMD Imaging 1</i>	Exhibit/Poster Hall	Poster	A0032	Chen K, Lin T, Freeman W	Retinal pseudocysts in geographic atrophy secondary to non-exudative age-related macular degeneration
5/7/17	8:30am - 10:15am	<i>Diabetic retinopathy: medical (non-surgical)</i>	Exhibit/Poster Hall	Poster	A0173	Baxter S, Ashir A, Bguyen B, Nudleman E	Quantification of retinal nonperfusion associated with neovascularization in diabetic retinopathy using ultrawide field fluorescein angiography
5/7/17	1:30pm - 3:15pm	<i>Visual Fields, Vision Function, Psychophysics I</i>	Exhibit/Poster Hall	Poster	B0457	Kabbara S, Zangwill L, Bowd C, Medeiros F, Weinreb R, Belghith A	Detection of Open Angle Glaucoma with Patient-Specific Macular Structural Measurements
5/7/17	1:30pm - 3:15pm	<i>Imaging: Macula Retina, Blood Flow, OCT Angiography</i>	Exhibit/Poster Hall	Poster	B0463	Marvasti A, Camp A, Yarmohammadi A, Belghith A, Zangwill L, Medeiros F, Weinreb R	Optical Coherence Tomography Angiography in Patients with Focal, Diffuse, and Sclerotic Glaucomatous Optic Discs
5/7/17	1:30pm - 3:15pm	<i>Imaging: Macula Retina, Blood Flow, OCT Angiography</i>	Exhibit/Poster Hall	Poster	B0469	Rao H, Pradhan Z, Weinreb R , Riyazuddin M, Dasari S, Venugopal J, Puttaiah N, Rao D, Dvi S, Mansouri K, Webers C	A comparison of the diagnostic ability of vessel density and structural measurements of optical coherence tomography in primary angle closure disease



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5/7/17	1:30pm - 3:15pm	<i>Imaging: Macula Retina, Blood Flow, OCT Angiography</i>	Exhibit/Poster Hall	Poster	B0481	Golzan M, Georgevsky D, Bowd C, Weinreb R , Graham S	Visual field sensitivity is decreased with reduced spontaneous venous pulsation in glaucoma eyes
5/8/17	8:30am - 10:15am	<i>Corneal Biology and Regenerative Medicine</i>	Exhibit/Poster Hall	Poster	B0070	Zhao J , Yang P-Y, Shen W, Schultz P, Afshari N	Effects of YAP small molecule activators on human neural crest stem cells and corneal endothelial cells
5/8/17	8:30am - 10:15am	<i>Whole Genome Analysis, Genetic Screening in Retinal Dystrophies and Others</i>	Exhibit/Poster Hall	Poster	B0081	Branham K, Biswas P, Gabriel LAR, Soto-Hermida A, Matsui H, Telenti A, Frazer K, Heckenlively J, Sieving P, Ayyagari R	Identification of pathogenic mutations in patients with inherited retinal dystrophies using whole genome sequencing
5/8/17	8:30am - 10:15am	<i>Whole Genome Analysis, Genetic Screening in Retinal Dystrophies and Others</i>	Exhibit/Poster Hall	Poster	B0086	Gustafson K, Duncan J, Biswas P, Matsui H, Soto-Hermida A, Suk J, Telenti A, Frazer K, Ayyagari R	Whole genome sequencing revealed mutations in two independent genes as the underlying cause of retinal degeneration (RD) in an Ashkenazi Jewish pedigree
5/8/17	8:30am - 10:15am	<i>Whole Genome Analysis, Genetic Screening in Retinal Dystrophies and Others</i>	Exhibit/Poster Hall	Poster	B0099	Bakall B, Biswas P, Matsui H, Suk J, Telenti A, Frazer K, Ayyagari R	Identification of a novel SDCCAG8 gene variant in a family with retinitis pigmentosa and kidney failure
5/8/17	8:45am - 9:00am	<i>Vitreoretinal surgery I</i>	Ballroom 3	Poster	1186	Freeman W , Ho J, Chao D, Goldbaum M, Ferreyra H , Tripathi B, Nudleman E	Digitally Assisted Vitreoretinal Surgery using the NGENUITY 3-D System



Date	Time	Session	Location	Type	Abstract/Posterboard #	Authors	Title
5/8/17	11:00am - 11:15am	<i>IOP Measurement and Characterization I</i>	Room 301	Presentation	1596	Susanna BN, Susanna C, Daga F, Diniz-Filho A, Zangwill L, Weinreb R, Medeiros F	Association between glaucoma progression and intraocular pressure measurements over time
5/8/17	11:00am - 12:45pm	<i>Clinical applications of OCT angiography</i>	Exhibit/Poster Hall	Poster	A0079	Manalastas P, Zangwill L , Saunders L, Daga F, Christopher M, Yarmohammadi A, Akagi T, Shoji T, Penteado R, Suh MH, Medeiros F, Weinreb R	The association between macula and optic nerve head optical coherence tomography angiography (OCT-A) vessel densities in glaucoma, glaucoma suspect and healthy eyes
5/8/17	11:00am - 12:45pm	<i>AMD therapies (excluding anti-VEGF)</i>	Exhibit/Poster Hall	Poster	B0428	Kuppermann B, Patel S, Boyer D, Augustin A, Freeman W , Kim T, Kerr K, Lopez F, Schneider S	Brimonidine drug delivery system (DDS) generation 1 in patients with geographic atrophy: Post-hoc analysis of a phase 2 study
5/8/17	11:00am - 12:45pm	<i>Cataract Surgery Procedures</i>	Exhibit/Poster Hall	Poster	B0143	Fuller S, Fukuoka H, Afshari N	Video Recording and Light Intensity Analysis during Cataract Surgery Simulated from the Patient's Perspective
5/8/17	11:00am - 12:45pm	<i>Tumors - Inside and around the eye, I</i>	Exhibit/Poster Hall	Poster	A0431	Kuo D, Tsao J, Alameddine R, Di Loreto C, Ko A, Rong J, Snyder V, Kikkawa D, Korn B, Lin J	Anatomic distribution of IgG4-related disease in chronic orbital inflammatory lesions
5/8/17	11:00am - 12:45pm	<i>Clinical applications of OCT angiography</i>	Exhibit/Poster Hall	Poster	A0083	Meshi A, You Q, Bartsch D-U , Saunders L, Lin T, Gaber R, Kilic I, Freeman W	Optical coherence tomography angiography parameters in diabetic patients with no diabetic retinopathy



Date	Time	Session	Location	Type	Abstract/Posterboard #	Authors	Title
5/8/17	11:15am - 11:30am	<i>Imaging Posterior Segment and Progression</i>	Ballroom 4	Presentation	1584	Saunders L, Wu Z, Zangwill L , Daga F, Crowston J, Weinreb R , Medeiros F	The impact of normal aging and definitions of progression on detecting retinal nerve fiber layer changes in optical coherence tomography imaging
5/8/17	11:30am - 11:45am	<i>Imaging Posterior Segment and Progression</i>	Ballroom 4	Presentation	1585	Bowd C , Zangwill L , Girkin C, Liebmann J, Weinreb R , Belghith A	The African Descent and Glaucoma Evaluation Study (ADAGES): Racial differences in rate of change of SD-OCT measured minimum rim width and retinal nerve fiber layer thickness
5/8/17	12:15pm - 12:30pm	<i>Imaging Posterior Segment and Progression</i>	Ballroom 4	Presentation	1588	Akagi T, Zangwill L , Saunders L, Yarmohammadi A, Manalatas PI, Sun MH, Medeiros F , Girkin C, Liebmann J, Weinreb R	Rates of local retinal nerve fiber layer (RNFL) thinning before and after disc hemorrhage (DH) in glaucoma patients
5/8/17	3:45pm - 5:30pm	<i>Imaging: Anterior Segment</i>	Exhibit/Poster Hall	Poster	A0142	Xu B, Penteadó R, Weinreb R	Diurnal variation in optical coherence tomography measurements of anterior segment structures
5/9/17	8:30am - 10:15am	<i>Visual Fields, Vision Function, Psychophysics I</i>	Exhibit/Poster Hall	Poster	B0461	Andrewski E, Zangwill L , Girkin C, Liebmann J, Medeiros F , Weinreb R , Jain S, Bowd C , Ramezani K, Racette L	Are differences in visual function between people of African and European descent with healthy eyes due to early glaucoma?



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5/9/17	8:30am - 10:15am	<i>Visual Fields, Vision Function, Psychophysics I</i>	Exhibit/Poster Hall	Poster	B0483	Ogata N, Daga F, Boer E, Susanna R, Medeiros F	Effect of mobile phone distraction on driving performance in patients with glaucoma
5/9/17	8:30am - 10:15am	<i>Visual Fields, Vision Function, Psychophysics I</i>	Exhibit/Poster Hall	Poster	B0471	Murata H, Fujino Y, Zangwill L , Garway-Heath D, Asaoka R	Verification of the variational Bayes linear regression using the DIGS and the UKGTS datasets
5/9/17	8:30am - 10:15am	<i>Whole Genome Analysis, Genetic Screening in Retinal Dystrophies and Others</i>	Exhibit/Poster Hall	Poster	B0081	Branham K, Biswas P, Alexandre Rassi Gabriel L, Soto-Hermida A, Matsui H, Telenti A, Frazer K, Heckenlively J, Sieving P, Ayyagari R	Identification of pathogenic mutations in patients with inherited retinal dystrophies using whole genome sequencing
5/9/17	8:30am - 10:15am	<i>Whole Genome Analysis, Genetic Screening in Retinal Dystrophies and Others</i>	Exhibit/Poster Hall	Poster	B0086	Gustafson K, Duncan J, Biswas P, Matsui H, Soto-Hermida A, Suk J, Telenti A, Frazer K, Ayyagari R	Whole genome sequencing revealed mutations in two independent genes as the underlying cause of retinal degeneration (RD) in an Ashkenazi Jewish Pedigree
5/9/17	8:30am - 10:15am	<i>Whole Genome Analysis, Genetic Screening in Retinal Dystrophies and Others</i>	Exhibit/Poster Hall	Poster	B0099	Bakall B, Biswas P, Matsui H, Suk J, Telenti A, Frazer K, Ayyagari R	Identification of a novel SDCCAG8 gene variant in a family with retinitis pigmentosa and kidney failure
5/9/17	9:45am - 10:00am	<i>New Genes and Loci</i>	Room 321	Presentation	3821	Biswas P, Duncan J, Ali M, Naeem M, Riazuddin S, Hejtmanicik JF, Riazuddin SA, Ayyagari R	Involvement of the novel gene IFT43 in causing early onset non-syndromic retinal degeneration



Date	Time	Session	Location	Type	Abstract/Posterboard #	Authors	Title
5/9/17	10:00am - 10:15am	<i>Clinical Trials and Drug Studies II</i>	Ballroom 4	Presentation	2465	Wu Z, Chauhan B, Garway-Heath D, Crabb D, Crowston J, Medeiros F	Improving the feasibility of glaucoma clinical trials with trend-based analysis of visual field change between groups as an endpoint
5/9/17	11:00am - 11:15am	<i>Neuroprotection</i>	Ballroom 4	Presentation	2952	Welsbie D , Mitchell K, Sluch V, Zhang P, Patel A, Zack D	Role for dual leucine zipper kinase in human embryonic stem cell-derived retinal ganglion cell death signaling
5/9/17	11:00am - 12:45pm	<i>Functioning with Low Vision</i>	Exhibit/Poster Hall	Poster	B0431	Susanna C, Daga F, Nakanishi M, Susanna BN, Wang Y-T, Susanna R, Ogata N, Zao J, Jung T-P, Medeiros F	Visual function measurements from the nGoggle are associated with patient-reported quality of life in glaucoma
5/9/17	11:00am - 12:45pm	<i>Tumors: Inside and around the eye, II</i>	Exhibit/Poster Hall	Poster	B0624	Hariri N, Snyder V, Hashem F, Carrilho C, Kobalka P, Lin W, Liu Y-T, Gudo E, Marole E, Zambujo Y, Schooley R, Lin J	The Association Between Ocular Surface Squamous Neoplasia and Human Papilloma Virus in HIV Seropositive Mozambicans
5/9/17	11:50am - 12:05pm	<i>ER stress and the unfolded protein response in ocular health and disease - Minisymposium</i>	Ballroom 1	Presentation	2943	Lin J	Achromatopsia mutations target sequential steps of ATF6 activation
5/9/17	3:45pm - 5:30pm	<i>Macular diseases (non-inherited)</i>	Exhibit/Poster Hall	Poster	B0311	Ho J, Freeman W	Comparison of potential acuity meter to retinal acuity meter in patients with retinal disorders



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5/9/17	3:45pm - 5:30pm	<i>ROP: Basic mechanisms</i>	Exhibit/Poster Hall	Poster	A0079	Bartakova A, Weiner G, Ferrara N , Daneman R, Nudleman E	Endothelial cell specific gene expression changes in oxygen induced retinopathy
5/9/17	3:45pm - 5:30pm	<i>Trabecular Meshwork and Ciliary Body</i>	Exhibit/Poster Hall	Poster	A0102	Saraswathy S, Bogarin T, Mohindroo C, Francis B, Tan J, Hinton D, Weinreb R , Huang A	Aqueous angiography based comparison of high- and low-flow regions for alpha-smooth muscle actin (α -SMA) and versican in post-mortem human eyes
5/9/17	3:45pm - 5:30pm	<i>Trabecular Meshwork and Ciliary Body</i>	Exhibit/Poster Hall	Poster	A0103	Bogarin T, Saraswathy S, Tannous E, Zhang C, Gonzalez J, Tan J, Hinton D, Weinreb R , Zheng J, Huang A	Steroid-response in primary culture scleral cells, implications for distal outflow pathology
5/9/17	3:45pm - 5:30pm	<i>Corneal Imaging, Topography, and Keratoconus</i>	Exhibit/Poster Hall	Poster	A0367	Soules K, Zangwill L , Afshari N , Weinreb R , Wolfson Y, Wang X, Jang B, Zhou Q	Repeatability and reproducibility of corneal epithelial thickness mapping with iVue SD-OCT
5/9/17	5:00pm - 5:15pm	<i>Capillaries, Blood Flow, OCT Angiography</i>	Ballroom 4	Presentation	3396	Shoji T, Zangwill L , Akagi T, Saunders L, Yarmohammadi A, Manalastas PI, Penteadro R, Medeiros F , Weinreb R	The rate of macular microvascular dropout is faster in glaucoma eyes than glaucoma suspect and healthy eyes: a longitudinal study
5/10/17	8:30am - 10:15am	<i>Molecular mechanisms in uveal melanoma</i>	Exhibit/Poster Hall	Poster	A0249	Hashem F, Hariri N, Solomon J, Thorson J, Dell'Aquila M, Korn B , Kikkawa D , Goldbaum M , Lin J	Comparison of FISH and cytogenomic microarray analysis for detection of chromosomal abnormalities in uveal melanoma



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5/10/17	8:30am - 10:15am	<i>Imaging: Optic Nerve Head and Nerve Fiber Layer</i>	Exhibit/Poster Hall	Poster	A0308	Christopher M, Belghith A, Bowd C, Goldbaum M, Saunders L, Medeiros F, Weinreb R, Zangwill L	Computational features derived from retinal nerve fiber layer (RNFL) thickness maps in detecting and monitoring glaucoma
5/10/17	8:30am - 10:15am	<i>Imaging: Optic Nerve Head and Nerve Fiber Layer</i>	Exhibit/Poster Hall	Poster	A0324	Belghith A, Girkin C, Weinreb R, Medeiros F, Bowd C, Liebmann J, Fazio M, Zangwill L	The African Descent and Glaucoma Evaluation Study (ADAGES): Racial differences in the posterior displacement of the anterior lamellar cribrosa surface depth
5/10/17	8:30am - 10:15am	<i>Retinal prostheses</i>	Exhibit/Poster Hall	Poster	B0541	Damle S, Liu Y, Jing Y, Freeman W , Lo Y-H	Evaluating the effective spatial resolution of an optoelectronic nanowire prosthesis
5/10/17	8:30am - 10:15am	<i>Retinal prostheses</i>	Exhibit/Poster Hall	Poster	B0547	Bosse B, Damle S, Akinin A, Bartsch D-U, Cheng L , Jing CY, Freeman W	In vivo acute and chronic evaluation of a nonwire based subretinal prosthesis
5/10/17	8:30am - 10:15am	<i>Retinal prostheses</i>	Exhibit/Poster Hall	Poster	B0552	Bartsch D-U , Damle S, Bosse B, Cheng L, Freeman W	Setup for visible and infrared electroretinogram and visual evoked potential in an animal model for evaluation of a retinal prosthesis
5/10/17	8:30am - 10:15am	<i>Retinal prostheses</i>	Exhibit/Poster Hall	Poster	B0557	Jing Y, Damle S, Bosse B, Bauchner S, Freeman W , Lo Y-H	Characterization of the silicon nanowire optoelectronic device for subretinal prosthesis
5/10/17	8:30am - 10:15am	<i>Retinal prostheses</i>	Exhibit/Poster Hall	Poster	B0559	Li F, Xiao Y, Wang Y, Thorogood S, Freeman W, Cheng L	Optimized rabbit eye model for acute evaluation of subretinal prosthesis



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5/10/17	8:30am - 10:15am	<i>Imaging: Optic Nerve Head and Nerve Fiber Layer</i>	Exhibit/Poster Hall	Poster	A0324	Belghith A , Girkin C, Weinreb R , Medeiros F , Bowd C , Liebmann J, Fazio M, Zangwill L	The African Descent and Glaucoma Evaluation Study (ADAGES): Racial differences in the posterior displacement of the anterior lamina cribrosa surface depth
5/10/17	8:30am - 10:15am	<i>Ocular Surface Health and Disease</i>	Exhibit/Poster Hall	Poster	A0191	Gali H, Fukuoka H, Afshari N	Quantifying UV light absorption and exposure within various structures of the eye
5/10/17	9:00am - 9:15am	<i>Trabecular Meshwork, Ciliary Body and Anterior Segment Imaging</i>	Ballroom 4	Presentation	3770	Huang A, Li M, Yang D, Xu B, Camp A, Wang H, Wang N, Weinreb R	Aqueous angiography: real-time, live human and non-human primate aqueous humor outflow imaging
5/10/17	9:13am - 9:33am	<i>Vision and driving: Lessons learned and future directions</i>	Room 309	Presentation	3802	Medeiros F	Glaucoma and driving as measured by a driving simulator
5/10/17	9:45am - 10:00am	<i>New Genes and Loci</i>	Room 321	Presentation	3821	Biswas P, Duncan J, Ali M, Naeem M, Riazuddin S, Hejtmancik J. F., Riazuddin S. A., Ayyagari R	Involvement of the novel gene IFT43 in causing early onset non-syndromic retinal degeneration
5/10/17	11:00pm - 12:45pm	<i>Drug delivery I</i>	Exhibit/Poster Hall	Poster	B0067	Cheng L , Warther D, Li F, Wang Y, Huffman K, Freeman W , Sailor M	Dual drug-loaded porous silicon particles to provide controlled drug release for chronic retinal diseases



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5/10/17	11:00am - 12:45pm	<i>Stem cells and tissue engineering for retinal repair</i>	Exhibit/Poster Hall	Poster	B0211	Vergara MN, Flores-Bellver M, Domingo SA, McNally M, Wahlin K , Saxena M, Mumm J, Soler VC	Development of an automated platform for large-scale fluorescence screening of 3-D retinal organoids
5/10/17	11:00am - 12:45pm	<i>Genetics of retinal dystrophies and Functional Analysis</i>	Exhibit/Poster Hall	Poster	B0165 - B0184	Ayyagari R	Moderator
5/10/17	12:15pm - 12:30pm	<i>Structure-Function Relationships I</i>	Ballroom 4	Presentation	4262	Penteado R, Zangwill L , Daga F, Christopher M, Yarmohammadi A, Manalastas PI, Akagi T, Shoji T, Medeiros F, Weinreb R	Relationship between optical coherence tomography and angiography macular vascular density measurements and central visual field damage
5/10/17	3:45pm - 5:30pm	<i>Clinical electrophysiology</i>	Exhibit/Poster Hall	Poster	B0270	Miyakoshi M, Makeig S, Diniz-Filho A, Medeiros F	Eye shall return: investigation on double take during free-saccade visual search task
5/10/17	3:45pm - 5:30pm	<i>Imaging technology and applications</i>	Exhibit/Poster Hall	Poster	A0383	Tsao J, Grange L, Benatti C A , Fukuoka H, Afshari N	Objectively measuring optical blurring in amniotic membranes and the effects of collagen cross-linking
5/10/17	4:45pm - 5:00pm	<i>Visual Fields, Vision Function, Psychophysics II</i>	Ballroom 4	Presentation	4745	Nakanishi M, Wang Y-T, Daga F, Jung T-P, Zao J, Ogata N, Medeiros F	Detecting preperimetric glaucoma with the nGoggle, a portable brain-computer interface for assessing neural damage
5/10/17	5:00pm - 5:15pm	<i>Visual Fields, Vision Function, Psychophysics II</i>	Ballroom 4	Presentation	4746	Daga F, Nakanishi M, Wang Y-T, Jung T-P, Zao J, Ogata N, Tavares I, Medeiros F	Comparison between the nGoggle and optical coherence tomography for detecting glaucoma



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5/11/17	8:30am - 10:15am	<i>Biochemistry and Molecular Biology of AMD II</i>	Exhibit/Poster Hall	Poster	B0128	Shaw P , Du H, Ho D, Chin T, Matsumo M, May A, Chen J, Xiao X	Oxidative stress impacts the AMD pathology through modulating Wnt signaling pathway
5/11/17	11:00am - 12:45pm	<i>Stem cells and tissue engineering for retinal repair</i>	Exhibit/Poster Hall	Poster	B0211	Vergara MN, Flores-Bellver M, Domingo SA, McNally M, Wahlin K , Saxena M, Mumm J, Soler VC	Development of an automated platform for large-scale fluorescence screening of 3-D retinal organoids
5/11/17	11:30am - 1:15pm	<i>Structure-Function Relationships II</i>	Exhibit/Poster Hall	Poster	B0387	Diniz-Filho A, Daga F, Zangwill L , Ogata N, Weinreb R , Medeiros F	Signal-to-noise ratio for detection of glaucoma progression using a combined index of structure and function
5/11/17	11:30am - 1:15pm	<i>Electrophysiology</i>	Exhibit/Poster Hall	Poster	B0395	Wang Y, Nakanishi M, Daga F, Ogata N, Zao J, Jung T-P, Medeiros F	Objective assessment of the contrast sensitivity function using the nGoggle
5/11/17	11:30am - 1:15pm	Paradigms of retinal degenerations and rescue	Exhibit/Poster Hall	Poster	B0481	Kim B-J, Masuda T, Antony B, Welsbie D , Liu M, Nair R, Bannister T, Prince J, Spicer T, Zack D	Neuroprotective effects of the protein kinase inhibitors, SBJ-051 and sunitinib in light-induced photoreceptor cell death
5/11/17	11:30am - 1:15pm	<i>Corneal Non-refractive Surgery</i>	Exhibit/Poster Hall	Poster	B0176	Haynie M, Fukuoka H, Afshari N	Optimal timing of DMEK graft procurement and the role of endothelial cells in the rolling of graft tissue



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5/11/17	11:30am - 1:15pm	<i>Structure-Function Relationships II</i>	Exhibit/Poster Hall	Poster	B0382	Yarmohammadi A, Zangwill L , Saunders L, Diniz-Filho A, Suh M H, Manalastas P I, Belghith A , Akagi T, Shoji T, Penteadó R, Medeiros F , Weinreb R	Vessel Density is Associated with Visual Field Damage in Advanced Glaucoma Eyes