

**Association for Research in Vision and Ophthalmology 2018 Conference
Emory Eye Center Presentations**



EMORY
EYE CENTER

Date	Title	Presentation	Speakers
4/29	Ocular and Systemic Circadian Rhythms: Implications in Vision Research	The Retina, Dopamine, and Circadian Rhythms	P. Michael Iuvone
4/29	Infection and Immunology	B0023: A Surprising Failure of Herpes Simplex Virus Type 1 (HSV-1) to Spread to the Brain or Contralateral Retina Following Unilateral Inoculation of Mice with Retrovirus-Induced Immunosuppression (MAIDS)	Madeline Welch
4/29	Infection and Immunology	B0024: The NLRP3 Inflammasome Is Involved in the Pathogenesis of Experimental Murine Cytomegalovirus (MCMV) Retinitis in Mice with Retrovirus-Induced Immunosuppression (MAIDS)	Jessica Carter
4/29	Insights Into Myopia: Animal Models to Human Studies	C0273: Influence of Chromatic Light on Lens-Induced Myopia in Mice	Ryan Strickland
4/29	Towards Guidelines for Mouse Electroretinography (ERG) - SIG	Towards Guidelines for Mouse Electroretinography (ERG)	Machelle Pardue
4/29	Vitreoretinal Surgery: Clinical Science	A0175: Effect of Lubricants on Corneal Thickness During Pars Plana Vitrectomy	Diane Siegel
4/29	Vitreoretinal Surgery: Clinical Science	A0200: Comparative Outcomes of Same-Day versus Day One Postoperative Examinations Following Vitreoretinal Surgery	Sherveen Salek
4/29	Photoreceptor Degeneration	B0223: Removal of the Clock Gene Bmal1 From 661W Cells Affects Cell Viability and Response to Oxidative Stress	Kenkichi Baba
4/29	Visual Cues and Signaling in Myopia	Lens defocus alters dopamine synthesis under different ambient lighting conditions	Erica Landis
4/29	Pathogens Harboring in the Eye	Ebola Virus Persistence in Ocular Tissues and Fluids (EVICT) Study: Ebolavirus RT-PCR Results and Cataract Surgery Outcomes	Jessica Shantha
4/30	Biomechanics	Impact of Estrogen Deficiency on Outflow Facility and Ocular Biomechanics in Rats	Andrew Feola
4/30	Discoveries in Glaucoma and Associated Endophenotypes	Genomic Locus Modulating Corneal Thickness in the Mouse Identifies POU6F2, a Potential Risk of Developing Glaucoma	Eldon Geisert
4/30	Retinoblastoma: From Bench to Bedside	A0003: Investigating Lsd1 in Proper Retinal Development and Retinoblastoma Differentiation	Salma Ferdous
4/30	Visual Disease Models and Restoration	C0187: Correlation Between Stereopsis and Reverse Stereopsis in Homonymous and Bitemporal Hemianopias	Michael Dattilo

4/30	Circadian Clocks in Retinal Health and Diseases: Minisymposium	Effect of Melatonin on Photoreceptor Survival	Gianluca Tosini
4/30	Biomechanics	A0051: In Vivo Assessment of Visual Acuity Following Genipin-Induced Scleral Crosslinking	Bailey Hannon
4/30	Disease Modeling and Potential Therapies	C0131: RAC1 Regulates the Expression of VEGF Via Targeting HIF-1alpha in ARPE-19 Cells Under Hyperglycemic Condition	Rashidul Haque
5/1	Biochemistry and Molecular Biology of the Retina/RPE	A0018: RHO-tvrm4 Mice Lacking STAT2 Are Resistant to Light-Induced Retinal Degeneration	Micah Chrenek
5/1	Biochemistry and Molecular Biology of the Retina/RPE	A0042: Interaction Between Underlying Pathways in IRBP Induced Myopia	Shanu Markand
5/1	Melanoma: Basic and Translational	A0318: The Sirtuin Inhibitor Tenovin-6 as a Novel Regulator of the TP53-MDM2 Signaling Pathway in Uveal Melanoma	Matthew Wilson
5/1	Functional Genomics and Epigenetics in Ocular Disease	Impact of Glaucoma on Retinal Ganglion Cell Subtypes: A Single-Cell RNA-seq Analysis of the DBA/2J Mouse	Siamak Yousefi
5/1	Clinician-Scientist Forum: How to Become a Successful Clinician-Scientist	AP Experiences, Obstacles and Rewards of an Academic Career	Hans Grossniklaus
5/1	Diabetic Retinopathy: Preclinical Studies	A0197: Daily Low Dose L-DOPA Treatment Delays the Onset of Retinal Function Deficits and Improves Retinal Vascular Function in STZ-Induced Diabetic Rats	Kyle Chesler
5/1	Melanoma: Clinical Innovations	A0294: Uveal Melanoma Metastatic Rate is Relative to Stochastic Mutation Rate and Type of Mutation	Eszter Szalai
5/2	RPE: Metabolism	A0139: Removal of Dopamine Receptor 2 Prevents Age-Related Changes in Retina and Retinal Pigment Epithelium in the Mouse	Varunika Goyal
5/2	Clinical Uveitis and Scleritis: Epidemiology, Diagnosis and Outcomes	C0014: Burden, Timing, and Outcomes of Uveitis From a Retrospective Cohort of Ebola Survivors in Sierra Leone	Matthew Vandy
5/2	Clinical Uveitis and Scleritis: Epidemiology, Diagnosis and Outcomes	C0040: Treatment Modalities and Visual Outcomes in Retinal Vasculitis	Joseph Christiansen
5/2	Trabecular Meshwork	Trabecular Meshwork Stiffness and Outflow Resistance Are Related	C. Ethier
5/2	Ocular Gene Therapies and Chemical Therapeutics	A0065: Characterization of Magnetofection Transfection Reagent, a Novel Transfection Method for Gene Therapy in a Mouse Model	Priyanka Priyadarshani
5/2	Inflammatory/immune Responses in Retinal Diseases	A0205: Necroptosis-associated RIP1 Is Stimulated Intraocularly in Mice with Retrovirus-Induced Immunosuppression (MAIDS) During Experimental Murine Cytomegalovirus (MCMV) Retinitis	Lauren-Ashley Duncan

5/2	Pediatric Ophthalmology	B0308: Spectacle Adherence in the Infant Aphakia Treatment Study: A Secondary Analysis of a Randomized Clinical Trial	Lindy Dubois
5/2	Pediatric Ophthalmology	B0309: Parenting Stress and Adherence to Occlusion Therapy in the Infant Aphakia Treatment Study: A Secondary Analysis of a Randomized Clinical Trial	Lindy Dubois
5/2	ipRGCs and Circadian Rhythms	A0240: Consequences of circadian clock disruption in the retina	Shuo Zhang
5/2	ipRGCs and Circadian Rhythms	A0241: Circadian and Dopamine Modulation of Sensitivity to Light-Induced Retinal Degeneration (LIRD) in Mice	Polina Lyuboslavsky
5/2	ipRGCs and Circadian Rhythms	A0244: Diurnal Cycling of Clock and Melanopsin Genes in Chick Choroid	Richard Stone
5/2	Genetics of Glaucoma	B0178: Genomic Modulation of Optic Nerve Regeneration in Mice	Jiaxing Wang
5/2	Retina	C0238: Melatonin Receptor Heterodimers Formation and Signaling in 661 W Cells	Aida Sanchez-Bretano
5/2	Biochemistry and Molecular Biology of the Retina	Novel Ex and In Vivo Methods for Non-Invasive Longitudinal Tracking of RPE Dymorphology Following Subretinal Injections	Kevin Donaldson
5/3	Molecular Mechanisms of Diabetic Retinopathy	A0007: Dopamine Levels in the Vitreous of Diabetic and Non-Diabetic Humans	Jesse Smith
5/3	Ganglion Cells: Metabolism and Response to Injury	A0175: The Role of Sox11 in Retinal Ganglion Cell Survival and Axon Regeneration	Ying Li
5/3	Ganglion Cells: Metabolism and Response to Injury	A0180: Visual function after acoustic blast overpressure (ABO) injury: Effects of antioxidants and blast frequency	Cara Motz
5/3	Imaging: Anterior Segment	C0194: Collector Channel Dynamics: OCT Capture of Real-time Pressure-dependent Changes in Lumen Area in Ex Vivo Normal and Glaucomatous Eyes	Murray Johnstone
5/3	Diseases and Protection	Early Retinal and Cerebral Deficits in a High Fat Diet + Low Dose STZ Rat Model of Type II Diabetes	Rachael Allen



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