

| Date/Time | Title | Name | Type |
|--------------------|--|---|--------------------|
| May 1 - 8:30 am | <i>Serratia marcescens</i> : Blowing Corneal epithelial cell bubbles with Gumb | Robert Shanks, PhD | poster |
| May 1 - 1:30 pm | Corneal Regenerative Medicine | Kira Lathrop, MAMS | poster |
| May 1 - 1:30 pm | Controlling the Regenerative Potential of Corneal Stem Cells | Martha Funderburgh, Golnar Shojaati, MD, Mary Mann, James Funderburgh, PhD | poster |
| May 1 - 1:30 pm | Development of a semi- permanent, controlled release antibiotic eye drop | Morgan Fedorchak, PhD | poster |
| May 1 - 1:30 pm | Total Human Eye Allotransplantation (THEA): Preclinical cadaveric studies | Maxine Miller, MD | poster |
| May 2, 2016 | | | |
| May 2 - 8:30 am | Secreted Ly6/Urokinase-type Plasminogen activator Receptor-Related Protein-1 (SLURP 1) Suppresses Angiogenic Inflammation through a Pathway that involves Src, RhoA and NFkB | Shiva Swamynathan PhD, Sudha Swamynathan, MS | poster |
| May 2 - 11:00 am | Vision Performance in Everyday Life Activities | Heather Livengood, PhD, OTR/L | poster |
| May 2 - 11:00 am | Visual outcomes and vision- related quality of life in veterans with systemic comorbidities: Results from the Veterans Affairs Ophthalmic Surgery Outcomes Data Project | Luis Gonzalez, MD | poster |
| May 2 - 11:30 am | Corneal stromal tissue regeneration by stromal- derived stem cells | James Funderburgh, PhD | mini- symposium |
| May 2 - 3:45 pm | Is Benzalkonium Chloride (BAK) an effective antiviral against adenovirus | Eric Romanowski, MS, Kathleen Yates, Robert Shanks, PhD, Regis Kowalski, MS, M(ASCP) | poster |
| May 2 - 3:45 pm | "Optical Coherence Tomography Parameters predictive of post-operative visual field loss in patients with Chiasmatal Compression" | Tarek Shazly, MD, Gabrielle Bonhomme, MD | poster |

| | | | |
|--------------------|---|--|--------|
| May 2 - 3:45 pm | A Growth Mixture Model for Progression of Glaucoma based on Visual Field | Yun Ling, PhD, Richard Bilonick, PhD, Divya Narendra, Gadi Wollstein, MD, Hiroshi Ishikawa, MD, Larry Kagemann, PhD, Joel Schuman, MD, FACS | poster |
| May 2 - 4:45 pm | Glaucoma Progression Detection at the Preperimetric Stage through the Combination of Structural and Functional Information | Katie Lucy | paper |
| May 3, 2016 | | | |
| May 3 - 8:30 am | Non-invasive assessments of the sclera and cornea after collagen crosslinking and glycosaminoglycan depletion using multi-model MRI | Kevin Chan, PhD, LC Ho, Ian Sigal, PhD, Ning-Jiun Jan, XL Yang, MD, Yolandi van der Merwe, Gadi Wollstein, MD, Joel Schuman, MD, FACS | poster |
| May 3 - 9:15 am | Citicoline preserves optic nerve integrity and visuomotor function following chronic intraocular pressure evaluation | Yolandi van der Merwe, XL Yang, MD, LC Ho, Yyu, Ychau, CKLeung, Ian Conner, MD, PhD, Michael Steketee, PhD, Gadi Wollstein, MD, Joel Schuman, MD, FACS, Kevin Chan, PhD | paper |
| May 3- 11:00 am | In-vivo Modulation of Intraocular and Intracranial Pressures Causes Nonlinear and Non-monotonic Deformations of the lamina cribosa | Huong Trang | poster |
| May 3 - 11:00 am | Novel method reveals heterogeneous micro-scale response of sclera collagen bundles to homogeneous macro-scale stretch | Ning-Jiun Jan | poster |
| May 3 - 11:00 am | Collagen crimp waviness, tortuosity and period have different patterns around the eye | Danielle Hu | poster |
| May 3 - 3:15 pm | "Insight into the Corneal Wound Healing Response: Transcriptomic and Metabolomic Analysis of | Kimberly Brothers, PhD | poster |

| | | | |
|--------------------|--|--|--------|
| | Corneal Epithelial Cells Challenged by Bacteria" | | |
| May 3 - 3:45 pm | Tet2 and Tet3 methylcytosine dioxygenases are required for retinal neurogenesis during zebrafish eye development | Jeff Gross, PhD | paper |
| May 3 - 3:45 pm | A Structural Equation Model (SEM) relating eye pain (ep) and ocular surface measurements | Richard Bilonick, PhD | poster |
| May 3 - 3:45 pm | Human Adipose-derived stem cells integrate into normal mouse trabecular meshwork | Yi Zhou | paper |
| May 3 - 3:45 pm | Schlemm Canal (SC) response to elevated intraocular pressure (IOP) varies with morphologic phenotype | Larry Kagemann, PhD | paper |
| May 3 - 3:45 pm | Axonal pore paths get closer to the optic nerve center with increased depth through the lamina cribrosa | Zachary Dong | poster |
| May 3 - 3:45 pm | Predictive Value of Peripapillary Retinal Nerve Fiber Layer Thickness in Patients with Retinal Vein Occlusion | Anton Kolomeyer, MD | poster |
| May 3 - 4:15 pm | Lamina cribrosa pore tortuosity in healthy and glaucomatous eyes | Bo Wang, PhD | paper |
| May 4, 2016 | | | |
| May 4 - 8:30 am | A Mouse glaucoma model for cell therapy on trabecular meshwork regeneration | Enzhi Yang, PhD | poster |
| May 4 - 8:30 am | Trabecular meshwork regeneration by stem cells | Yiqin Du, MD, PhD | poster |
| May 4 - 11:00 am | A Microstructure Based Model of Lamina Cribrosa Mechanical Insult under IOP | Andrew Vorhees, PhD, N-J Jun, JG Flanagan, JM Sivak, Ian Sigal, PhD | paper |

| | | | |
|--------------------|---|--|--------|
| May 4 - 11:00 am | Age-related changes in anterograde transport, axonal integrity, and visuomotor function in DBA/2J and C57BL/6J mice | Xiaoling Yang, MD, Yolandi van der Merwe, Ian Conner, MD, PhD, Gadi Wollstein, MD, Joel Schuman, MD FACS, Kevin Chan, PhD | poster |
| May 4 - 11:00 am | Quantification of Focal Outflow Enhancement Using Differential Canalograms | Ralitsa Loewen, MD, Eric Brown, Gordon Scott, Hardik Parikh, Joel Schuman, MD, FACS, Nils Loewen, MD, PhD | poster |
| May 4 - 3:45 pm | Papaverine inhibits LPs induced microglial activation by suppressing NF-kB signaling pathway | Yalong Dang, Zhixin Jiang, Yu Zhu, Kin Chiu | poster |
| May 5, 2016 | | | |
| May 5 - 8:00 am | Time-Kill Comparison of Povidone Iodine to Hypochlorous Acid against Endophthalmitis Isolates of Staphylococci | Matthew Klocek, MD, Alex Mammen, MD, Deepinder Dhaliwal, MD, Rege Kowalski, MS, M(ASCP) | poster |
| May 5 - 11:00 am | Visualization and Quantification of Outflow after Ab Interno Trabeculectomy and Trabecular Micro-Bypass Stents Using Differential Canalograms | Hardik Parikh, Ralitsa Loewen, MD, Pritha Sengupta, Joel Schuman, MD, FACS, Kira Lathrop, MAMS, Nils Loewen, MD, PhD | poster |
| May 5 - 11:00 am | Analysis of Predisposing Factors and Management Course of Endogenous Fungal Endophthalmitis: A Five Year Experience in a Tertiary Referral Center | Jila Noori, MD, Georgios Trichonas, MD, Joseph Martel, MD, Andrew Eller, MD | poster |