**VISION RESEARCH DAY 2019**

**AGENDA**

8:15 AM Registration/Breakfast

9:00 AM Welcome and Introduction
 José Alain Sahel, MD

**SESSION 1: Cornea
 Moderator: Anthony St. Leger**

9:05 AM Fungal Infection after Keratoplasty and the Role of Antifungal Supplementation to
Preserve Medium – A Review
**Tarika Thareja**

9:12 AM Effect of Optisol Supplementation with 0.255 mg/mL Amphotericin B on Elimination of
Yeast at 5oC
**Devin Tran**

9:19 AM Diphtheroids as Commensals: Human Corynebacterial Isolates Shape Ocular Mucosal Immunity
**Ben Treat**

9:29 AM Transposition of Plicated Horizontal Muscles
**Parth Shah**

9:36 AM Sustained Release and Improved Stability from Spray-Dried Cysteamine Microparticles: A Novel Therapy to Corneal Crystals in Cystinosis
**Jorge Jiminez**

9:46 **DISCUSSION**

**SESSION 2**: **Retina
Moderator: Colin Prensky**

9:55 Acupuncture for Nonexudative Age-Related Macular Degeneration: A Pilot Study
**Siwei Zhou**

10:02 Small Molecule Destabilizers of P23H Rhodopsin and their Potential for the Treatment of Retinitis Pigmentosa
**Xujie Liu**

10:12 Congenital Primary Aphakia
**Anagha Medsinge**

10:19 Acute Retinal Necrosis: Which has the Worst Prognosis – Herpes Simplex or Varicella Zoster?
**Vincent Nguyen**

10:26 Identifying the Role of Innate Immunity in Zebrafish Retinal Pigment Epithelium Regeneration
**Lyndsay Leach**

10:36 Role of Lipocalin-2 in Iron Homeostasis and Inflammasome Activation in Pathogenesis of Age-Related Macular Degeneration (AMD)
**Sayan Ghosh**

10:46 **DISCUSSION**

10:55 **BREAK**

11:15 **SUSRUTA LECTURE – RUSSELL VAN GELDER, MD, PhD**
*“Restoring Visual Function in Retinal Degeneration with Small Molecule Photoswitches”*

12:15 **LUNCH AND POSTER SESSION**

**SESSION 3: Anterior part of the eye
Moderator: Evan “Jake” Waxman**

1:30 PM Seasonal Variation in Human Adenovirus Conjunctivitis: A 30-Year Observational Study **Jennifer Lee**

1:37 PM Replication Conditional VZV to Probe Pain Models, Gene Function, and Neuronal Latency
**Ben Warner**

1:47 PM Iris Phenotype and the ACTA2 Gene
**Ken Taubenslag**

1:54 PM KLF4 Regulates Corneal Epithelial Cell Cycle Progression by Suppressing Canonical TGF- Signaling and Upregulating CDK Inhibitors P16 and P27
**Anil Tiwari**

2:04 PM Case Series of Bone Cement Reaction in Skull Base Surgery Patients
**Alexis Mancini**

2:11 PM Stem Cells to Regenerate Trabecular Meshwork with Glaucoma Treatment Potential
**Ajay Kumar**

2:21 PM **DISCUSSION**

**SESSION 4: Posterior part of the eye
Moderator: Ian Conner, MD, PhD**

2:30 PM Rituximab May Confer a Protective Effect on the Retinal Nerve Fiber Layer in Multiple Sclerosis
**Deepak Soneji**

2:37 PM Does Repeated Exposure to AAV Increase Risk of Exclusion from Gene Therapy?
**Sara Jabalameli**

2:47 PM Longer-Term Baerveldt to Trabectome Glaucoma Surgery Comparison using Propensity Score Matching
**Tigran Kostanyan**

2:54 PM Characterization of the Blood Flow Behavior in Lamina Cribrosa using Computational Fluid Dynamics
**Jason Hua**

3:04 PM Regions of Increased Strains in the Human Peripapillary Sclera with Histologic Correspondence to the Arterial Circle of Zinn-Haller
**Joel Palko**

3:11 PM **DISCUSSION**

3:30 pm **Adjournment
Ian Conner**

3:30 pm **Reception**