Friday, September 16th
Cleveland Clinic Foundation Intercontinental Hotel

4:00 – 6:00 p.m.  Registration with poster set-up (at the adjacent Cole Eye Institute)

Session 1:  IN VIVO VISUALIZATION OF IMMUNE RESPONSE (Chair: Victor L. Perez)

Welcome and Travel Award Announcements – Victor L. Perez

6:00 – 6:30 p.m.  Victor L. Perez, Cleveland Clinic Foundation Cole Eye Institute: Tracking Bone Marrow-Derived Cells in the Cornea.

6:30 – 7:00 p.m.  Marc Jenkins, University of Minnesota: Tracking the Activation of CD4+ T-Cells in the Body.

7:00 – 10:00 p.m.  Dinner Reception, Cleveland Clinic Foundation Intercontinental Hotel

Saturday, September 17th
Wolstein Research Building, Case Western Reserve University

Session 2:  REGULATION OF MICROBIAL VIRULENCE (Chairs: Suzi Fleiszig, Michael Gilmore)

8:00 – 8:30 a.m.  Suzi Fleiszig, University of California, Berkeley: Regulation of P. Aeruginosa Virulence.

8:30 – 8:45 a.m.  Mary Marquart, University of Mississippi: Species Distribution of the Gene Encoding PASP, a Pseudomonas Protease that Causes Corneal Damage.

8:45 – 9:00 a.m.  Beth Jackson, Cullen Eye Institute, Houston: The Effects of Genetically-Controlled Morphogenesis and Adhesion as Fungal Virulence Factors in Candida Albicans Keratitis.

9:00 – 9:30 a.m.  Michael Gilmore, Schepens Eye Research Institute, Boston: Molecular Interactions Between Bacterial Virulence Traits and Wound Repair in the Pathogenesis of Eye Infection.

9:30 – 9:45 a.m.  Raniyah Ramadan, Dean A. McGee Eye Institute, Oklahoma City: The Role of Toxins on Retinal Structure and Function in a Murine Model of Experimental B. cereus Endophthalmitis.

9:45 – 10:00 a.m.  Ellen Lee, Casey Eye Institute, Portland, OR: In vivo Microscopy of Herpes Simplex Keratitis.
Session 3: MICROBIAL RECOGNITION SYSTEMS (Chairs: Kasper Hoebe, Douglas Golenbock)

10:30 – 11:00 a.m. Douglas Golenbock, UMass Medical School: Toll-Like Receptor Signaling Pathways.

11:00 – 11:30 a.m. Kasper Hoebe, The Scripps Research Institute, La Jolla: The Nonsense Allele Oblivious Reveals a Sensor of Diacylglycerides Acting in Conjunction with TLR2 and TLR6.

11:30 – 12:00 p.m. Eric Pearlman, Case Western Reserve University: Toll-Like Receptors in Microbial Keratitis.

12:00 – 12:15 p.m. Ashok Kumar, Kresge Eye Institute, Detroit: TLR3 Agonist Poly(I:C)-Induced Antiviral Response In Human Corneal Epithelial Cells.

12:15 – 12:30 p.m. Xi Huang, Wayne State University, Detroit: siRNA Targeting TLR-9: In Vitro and In Vivo Effects.

12:30 – 2:00 p.m. LUNCH - Wolstein Research Building

Session 4: MEMORY AND T REGULATORY CELLS (Chairs: Robert Hendricks, Eric Pamer)

2:00 – 2:30 p.m. Eric Pamer, Memorial Sloan-Kettering Cancer Center, New York: Generation of Memory CD8 T Cells During Bacterial Infection.

2:30 – 3:00 p.m. Robert Hendricks, University of Pittsburgh: Things Remembered: How CD8+ T Cells Remember Herpes.

3:00 – 3:15 p.m. Kartik Prabhakan, University of Pittsburgh: Sensory Neurons Regulate the Phenotype and Effector Functions of Memory CD8+ T Cells during HSV-1 Latency.

3:15 – 3:30 p.m. Katrin Daehnel, Case Western Reserve University: The Role of TLR2 and TLR4 in the Development of Ocular Onchocerciasis and in the Development of T Helper Cell Responses.

4:00 – 6:00 p.m. POSTER SESSION
Cleveland Clinic Foundation Cole Eye Institute

6:30 – 6:45 p.m. Buses leave Intercontinental Hotel for Rock Hall

7:00 – 10:00 p.m. DINNER RECEPTION
ROCK AND ROLL HALL OF FAME

Sunday, September 18th
Session 5: GENE TRANSFER / IMMUNE MECHANISMS IN MICROBIAL KERATITIS
(Chairs: Mark Willcox, Andrew Taylor)

9:00 – 9:30 a.m. Curtis Brandt, University of Wisconsin: Herpes Simplex Vectors for Ocular Gene Delivery.

9:30 – 10:00 a.m. Andrew Taylor, Schepens Eye Research Institute: Gene Delivery of Immunosuppressive Neuropeptides into Uveitic Eyes.

10:00 – 10:20 a.m. Daniel Carr, Dean A. McGee Eye Institute, Oklahoma City: The Absence of CXCL10 but not CXCL9 Enhances Susceptibility to Ocular Infection with Herpes Simplex Virus Type 1.

10:20 – 10:40 a.m. Mark Willcox, University of New South Wales, Sydney: IL-6 is One of the Critical Cytokines for Resolution of Microbial Keratitis.

10:40 – 11:00 a.m. M. Edward Medof, Case Western Reserve University, Cleveland, OH: Complement Regulatory Factors Modulate Bacterial Keratitis.

11:00 – 11:20 a.m. Francis Mah, University of Pittsburgh, Pittsburgh, PA: Antibiotic Driven Evolution of Management of Bacterial Infections of the Eye.

11:20 – 11:40 a.m. Jerry Niederkorn, University of Texas Southwestern Medical Center, Dallas: Intracorneal Instillation of Latex Beads Induces Macrophage-Dependent Protection Against Acanthamoeba Keratitis.

12.00 pm
Session 6: PANEL DISCUSSION / LUNCH – Moderator: Dan Carr

Federal and Foundation Based Funding in Ocular Immunology - and – Future Directions for Research in Ocular Inflammation and Infectious Diseases.

Panel:
Diane Swift, Research to Prevent Blindness Foundation
Jerry Niederkorn, UT Southwestern
Robert Hendricks, U Pittsburgh
Michael Gilmore, Schepens Eye Inst.

2:00 p.m. Adjourn