### NEI Core Facilities Presentations

- **Viral Vector Core** - Marie Burns, PhD, Professor, Depts of Ophthalmology & Vision Science; Cell Biology & Human Anatomy
- **EyePod Small Animal Imaging Core** - Ed Pugh, Jr., PhD, Professor, Depts of Cell Biology & Human Anatomy; Physiology & Membrane Biology; Ophthalmology & Vision Science
- **Merged Modules** - Andrew Ishida, PhD, Professor, Dept of Neurobiology, Physiology & Behavior, and Paul FitzGerald, PhD, Professor and Chair, Dept of Cell Biology & Human Anatomy; Professor, Dept of Ophthalmology & Vision Science
- **Software Module** - Martin Usrey, PhD, Professor, Dept of Neurobiology, Physiology & Behavior
- **Instrumentation Module** - Ken Britten, PhD, Professor, Dept of Neurobiology, Physiology & Behavior

### Invited Speaker

- **9:30 - 10:15**
  - **NEI Extramural Research Funding**
  - George McKie, DVM, PhD, Program Director, Corneal Disease & Ocular Infection, Inflammation, & Immunology, Division of Extramural Research, National Eye Institute
- **10:15 - 10:30**
  - Coffee Break

### New Faculty Talks

- **10:30 - 11:05**
  - MicroRNAs and regulation of developmental timing: small molecules, big roles.
  - Anna La Torre, PhD, Assistant Professor, Dept of Cell Biology & Human Anatomy
- **11:05 - 11:40**
  - Spontaneous equine models of corneal disease.
  - Mary Lassaline, DVM, PhD, MA, DACVO, Veterinarian Sr., Dept of Surgical & Radiological Sciences
- **11:40 - 12:15**
  - Seeing clearly how the immune system governs inflammation
  - Dennis Hartigan-O’Connor, MD, PhD, Assistant Professor, Dept of Medical Microbiology & Immunology
- **12:15 - 1:15**
  - Catered Lunch, GSBF Lobby

### NEI Training Grant Trainee Presentations

- **1:15 - 1:45**
  - The role of feedback signals from smooth pursuit in heading discrimination.
  - Tyler Manning, Neuroscience Grad Group, Laboratory of Ken Britten
- **1:45 - 2:15**
  - Requirements of Neurogenin2 on mammalian retinal development and cell differentiation
  - Angelica Kowalchuk, IGG Grad Group, Laboratory of Nadean Brown
- **2:15 - 2:45**
  - Impairments of visual attention under time pressure.
  - Kyle Frankovich, Psychology Grad Group, Laboratory of Steven Luck
- **2:45 - 3:15**
  - An optogenetic strategy for studying corticogeniculate feedback in the alert primate.
  - Darlene Archer, Neuroscience Grad Group, Laboratory of Martin Usrey
- **3:15 - 3:45**
  - Dynamics of vitamin A during gestation and development.
  - Zachary Farrow, BMCDB Grad Group, Laboratory of Tom Glaser
- **3:45 - 4:00**
  - Coffee Break

### The John Keltner, MD Lectureship in Ophthalmology

- **4:00 - 4:10**
  - Introduction - Mark Mannis, MD, Professor and Chair, Dept of Ophthalmology & Vision Science and Lawrence Morse, MD, PhD, Director of Vitreo-Retinal Service, Professor, Dept of Ophthalmology & Vision Science
- **4:10 - 5:30**
  - Stemming vision loss with stem cells (and a little help from VEGF, HIFs and VHL)
  - Martin Friedlander, MD, PhD, Chief, Retina Services, Division of Ophthalmology, Department of Surgery; Professor, Department of Cell and Molecular Biology, The Scripps Research Institute
- **5:30 - 6:30**
  - Reception, GBSF Lobby