

Center for Vision Science  
Annual Symposium  
January 10, 2019  
Genome and Biomedical Sciences Facility Auditorium

**8:00-8:45 Breakfast, GBSF Lobby**

9:00-9:10 Center for Vision Sciences update  
Training Grant (Burns),  
Core Facilities Grant (Usrey),

9:15-9:45 **Paul Sieving MD, PhD**, New Faculty, Ophthalmology  
*"Human gene therapy for an ocular synaptic disease"*

9:45-10:00 **Lindsay Fague**, PhD Candidate, Marsh-Armstrong Lab, Ophthalmology  
*"Debris Clearance and Optic Nerve Regeneration in Xenopus Laevis"*

10:00-10:15 **Candace Peacock**, PhD Candidate, Henderson Lab, Psychology  
*"High-level scene semantics guide attention as evidenced by eye movements in real-world scenes"*

**10:15-10:30 Coffee Break, Posters**

10:35-11:05 **Randy O'Reilly, PhD**, New Faculty, Psychology  
*"Deep predictive Learning in the Neocortex and Pulvinar"*

11:05-11:35 **Tom Glaser, MD, PhD**, Faculty, Cell Biology and Human Anatomy  
*"A homeotic hotspot in the human genome with eye and brain phenotypes"*

11:35-11:50 **Sean Noah**, PhD Candidate, Mangun Lab, Psychology  
*"Neural mechanisms of attention to objects"*

**11:50-1:00 Lunch, Posters, GBSF Lobby**

**Data Blitz 4 Slide, 8 minute talks, 4 minutes discussion**

1:00-1:12 **Glenn Yiu, MD, PhD**, Faculty, Ophthalmology  
*"Nonhuman primates as models of age-related macular degeneration and novel modes of gene delivery"*

1:15-1:27 **Pengfei Zhang, PhD**, Project Scientist, Zawadzki Lab, Cell Biology and Human Anatomy  
*"Investigation of Rod Outer Segment Disc Shedding in vivo in Mouse with Optophysiological Signals Measured by OCT",*

1:30-1:42 **Anna La Torre, PhD**, Faculty, Cell Biology and Human Anatomy  
*"MicroRNAs in foveal development"*

1:45-1:57 **Brian Leonard, DVM, PhD**, Surgical and Radiological Sciences  
*"Induction of antimicrobial peptides expressed at the ocular surface"*

## Data Blitz (cont)

2:00-2:12      **Henry Alito**, PhD Candidate, Usrey lab, Neurobiology, Physiology, and Behavior  
"The spatial organization of cortical feedback"

2:15-2:27      **Marie Burns, PhD**, Faculty, Ophthalmology, Cell Biology and Human Anatomy  
"Distinguishing inflammatory cell types during photoreceptor degeneration"

**2:30-2:45      Coffee Break**

2:50-3:55

### Center for Vision Science Lecture

Introduction: Marie Burns, PhD

**Rachel Wong, PhD**

Chair, Dept of Biological Structure  
University of Washington

*"Circuit assembly and reassembly in the vertebrate retina".*

3:55-5:00

### John Keltner MD Lecture

Introduction: Jamie Brandt, MD

**Janey Wiggs, MD, PhD,**

Paul Austin Chandler Professor of Ophthalmology  
Harvard Medical School

*"Primary open angle glaucoma genetics: New insights and clinical implications"*

**5:00-6:00      Reception GBSF Lobby**