

## Center for Vision Science Research Symposium

Friday, January 9, 2015

Genome and Biomedical Sciences Facility

Auditorium (Room 1005)

8:00 – 8:30	Catered Breakfast, GBSF Lobby
8:30 - 9:30	Center for Vision Science Update - <b>Paul FitzGerald, PhD</b> , Director, Center for Vision Science
<b>NEI Core Facilities Presentations</b>	
Viral Vector Core - <b>Marie Burns, PhD</b> , Professor, Depts of Ophthalmology & Vision Science; Cell Biology & Human Anatomy	
EyePod Small Animal Imaging Core - <b>Ed Pugh, Jr., PhD</b> , Professor, Depts of Cell Biology & Human Anatomy; Physiology & Membrane Biology; Ophthalmology & Vision Science	
Merged Modules - <b>Andrew Ishida, PhD</b> , Professor, Dept of Neurobiology, Physiology & Behavior, and <b>Paul FitzGerald, PhD</b> , Professor and Chair, Dept of Cell Biology & Human Anatomy; Professor, Dept of Ophthalmology & Vision Science	
Software Module - <b>Martin Usrey, PhD</b> , Professor, Dept of Neurobiology, Physiology & Behavior	
Instrumentation Module - <b>Ken Britten, PhD</b> , Professor, Dept of Neurobiology, Physiology & Behavior	
<b>Invited Speaker</b>	
9:30 - 10:15	<i>NEI Extramural Research Funding</i> <b>George McKie, DVM, PhD</b> , Program Director, Corneal Disease & Ocular Infection, Inflammation, & Immunology, Division of Extramural Research, National Eye Institute
10:15 - 10:30	Coffee Break
<b>New Faculty Talks</b>	
10:30 - 11:05	<i>MicroRNAs and regulation of developmental timing: small molecules, big roles.</i> <b>Anna La Torre, PhD</b> , Assistant Professor, Dept of Cell Biology & Human Anatomy
11:05 - 11:40	<i>Spontaneous equine models of corneal disease.</i> <b>Mary Lassaline, DVM, PhD, MA, DACVO</b> , Veterinarian Sr., Dept of Surgical & Radiological Sciences
11:40 - 12:15	<i>Seeing clearly how the immune system governs inflammation</i> <b>Dennis Hartigan-O'Connor, MD, PhD</b> , Assistant Professor, Dept of Medical Microbiology & Immunology
12:15 - 1:15	Catered Lunch, GSBF Lobby
<b>NEI Training Grant Trainee Presentations</b>	
1:15 - 1:45	<i>The role of feedback signals from smooth pursuit in heading discrimination.</i> <b>Tyler Manning</b> , Neuroscience Grad Group, Laboratory of Ken Britten
1:45 - 2:15	<i>Requirements of Neurogenin2 on mammalian retinal development and cell differentiation</i> <b>Angelica Kowalchuk</b> , IGG Grad Group, Laboratory of Nadean Brown
2:15 - 2:45	<i>Impairments of visual attention under time pressure.</i> <b>Kyle Frankovich</b> , Psychology Grad Group, Laboratory of Steven Luck
2:45 - 3:15	<i>An optogenetic strategy for studying corticogeniculate feedback in the alert primate.</i> <b>Darlene Archer</b> , Neuroscience Grad Group, Laboratory of Martin Usrey
3:15 - 3:45	<i>Dynamics of vitamin A during gestation and development.</i> <b>Zachary Farrow</b> , BMCDB Grad Group, Laboratory of Tom Glaser
3:45 - 4:00	Coffee Break
4:00 - 4:10	<b>The John Keltner, MD Lectureship in Ophthalmology</b>
Introduction - <b>Mark Mannis, MD</b> , Professor and Chair, Dept of Ophthalmology & Vision Science and <b>Lawrence Morse, MD, PhD</b> , Director of Vitreo-Retinal Service, Professor, Dept of Ophthalmology & Vision Science	
4:10 - 5:30	<i>Stemming vision loss with stem cells (and a little help from VEGF, HIFs and VHL)</i> <b>Martin Friedlander, MD, PhD</b> , 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