

**THE UNIVERSITY OF TENNESSEE HEALTH SCIENCE CENTER  
THE NEUROSCIENCE INSTITUTE**

**SEMINAR SERIES SCHEDULE**

**SPRING 2005**

**12:00 Noon**

**Link Auditorium**

Opened

January 11, 2005

**TITLE:**

Opened

January 18, 2005

Melloni N. Cook, Ph.D.  
Assistant Professor  
Psychology Department  
University of Memphis  
Memphis, TN

January 25, 2005

**TITLE: "Of Mice and Men: The Hunt for Animal Models"**

Abdallah Hayar, Ph.D.  
UTCHS  
Department of Anatomy & Neurobiology  
Memphis, TN

February 1, 2005

**TITLE: "Synaptic transmission and gap junctions synchronize the bursting activity of olfactory bulb neurons"**

Charles Blaha, Ph.D.  
Psychology Department  
University of Memphis  
Memphis, TN

(Dr. James O'Donnell-Host)

February 8, 2005

**TITLE: "Midbrain Modulation of Motivation"**

Kwang-Soo Kim, Ph.D.  
Associate Professor and Director  
Molecular Neurobiology Laboratory  
MRC 216, McLean Hospital  
Harvard Medical School  
115 Mill Street  
Belmont, MA 02178

(Dr. Mark LeDoux-Host)

February 15, 2005

**TITLE: “Directed differentiation of embryonic stem cells for transplantation therapy of Parkinson’s Disease: Hope and Hype”**

Susan E. Maier, Ph.D. (Graduate Students-Host)  
Research Assistant Professor  
Department of Human Anatomy & Medical Neurobiology  
The Texas A&M University System Health Science Center  
College Station, TX

February 22, 2005

**TITLE: “W2” The Key to Understanding Alcohol Teratogenicity”**

Peter Somogyi (Dr. Thomas Schikorski-Host)  
Director of the Medical Research Council’s  
Anatomical Neuropharmacology Unit  
and Professor of Neurobiology  
Oxford University, U.K.

March 1, 2005

**TITLE: “Spatio-temporal basis of co-operative spike timing in the hippocampus”**

Silvia Reid, Ph.D. (Dr. Andrea Elberger-Host)  
Asst. Researcher & Postgraduate Researcher  
Jules Stein Eye Institute  
UCLA School of Medicine  
Room B-237  
100 Stein Plaza  
Los Angeles, Ca 90095

March 8, 2005

**TITLE: “How can photoreceptor cells control the cytoarchitectural and functional integrity of the retina?”**

Dennis Drayna (Dr. John Boughter-Host)  
Acting Chief, SSBCD  
National Institute on Deafness & Other Communication Disorders  
Adjunct Professor, University of Maryland  
Rockville, MD

March 15, 2005

**TITLE: “Genetics of the sense of taste in humans”**

Jannon Fuchs, Ph.D. (Dr. Robert Waters-Host)  
Professor, Department Biological Sciences  
University of North Texas  
Denton, TX 76203

March 22, 2005

**TITLE: “Rats have whiskers, neurons have cilia”**

Len Kaczmarek , Ph.D. (Dr. Robert Foehring-Host) March 29, 2005  
Professor  
Department of Pharmacology & Molecular and Cellular Physiology  
Yale University School of Medicine  
New Haven, CT

**TITLE: “Short-term and Long-term Regulation of Channels in Auditory and Olfactory Neurons”**

Daniel Bullock, Ph.D. (Dr. Detlef Heck-Host) April 5, 2005  
Associate Professor  
Cognitive & Neural Systems Department  
Psychology Department, and Program in Neuroscience  
Boston University  
677 Beacon Street  
Boston, MA 02215

**TITLE: “Constructing a model of how the cerebellum may contribute to adaptive timing and sequence learning”**

Jim Tepper, Ph.D. (Dr. Hitoshi Kita-Host) April 12, 2005  
Professor  
Center for Molecular & Behavioral Neuroscience  
Rutgers, The State University of New Jersey  
197 University Avenue  
Newark, NJ 07102

**TITLE: “GABAergic Regulation of Substantia Nigra Dopaminergic Neurons”**

Irene Pepperberg, Ph.D. (Dr. Tony Reiner-Host) April 19, 2005  
Adjunct Associate Professor  
Brandeis University  
Department of Psychology  
Mailstop 062  
Waltham, MA 02454

**TITLE: “In Search of King Solomon’s Ring: Studies on the Cognitive and Communicative Abilities of Grey Parrots”**

Edward Levine, Ph.D. (Dr. Eldon Geisert-Host) April 26, 2005  
Assistant Professor  
Department of Ophthalmology & Visual Sciences  
Huntsman Cancer Institute, Rm 3343  
University of Utah  
2000 Circle of Hope  
Salt Lake City, UT 84112

**TITLE: “The “Growing” Roles of the Homeobox Gene CHx10 in Retinal Development”**

Joseph Loturco, Ph.D.  
Physiology and Neurobiology  
University of Connecticut  
Storrs, CT

(Dr. Dan Goldowitz-Host)

May 3, 2005

**TITLE: “Mapping Pathways of Neuronal Migration with RNAi”**

James West, Ph.D.  
Distinguished Professor  
Professor & Head  
Department of Anatomy & Neurobiology  
Texas A&M University System Health Science Center

(Dr. Kristin Hamre-Host)

May 10, 2005

**TITLE: “A Basic Scientist’s Approach to Studying Fetal Alcohol Syndrome”**

Charles Wilson, Ph.D.  
Roland K. and Jane W. Blumberg Professor of Neurobiology  
University of Texas @ San Antonio  
San Antonio, TX

(Dr. William Armstrong-Host)

May 17, 2005

**TITLE: “Origin of Spontaneous Bursting and Pausing by Striatal Cholinergic Interneurons”**

Gopal Thinakaran, Ph.D.  
Associate Professor  
Department of Neurobiology, Pharmacology & Physiology  
The University of Chicago  
924 E. 57<sup>th</sup> Street  
Chicago, IL 60637

(Dr. Ramin Homayoung-Host)

May 24, 2005

**TITLE: “Amyloidogenic processing of Alzheimer’s disease amyloid precursor protein in lipid raft microdomains”**