

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

**SEMINAR SERIES SCHEDULE**

**FALL 2004**

**12:00 Noon**

**Link Auditorium**

Xiaoxi Zhuang, Ph.D. (Host – Dr. Fuming Zhou)  
Assistant Professor  
Neurobiology, Pharmacology & Physiology  
University of Chicago  
Chicago, IL

August 31, 2004

**TITLE: “Opening the black box with genetic tools: Analysis of dopamine and control of behavior”**

Anna Marie Kenney, Ph.D. (Pediatric Faculty Candidate)  
Instructor in Pediatrics  
Dana-Farber Cancer Institute  
Harvard Medical School  
Boston, MA

September 7, 2004

**TITLE: “Sonic hedgehog signaling in brain development and tumorigenesis”**

Donald B. Katz, Ph.D. (Host – Dr. David Smith)  
Assistant Professor of Psychology &  
Volen National Center for Complex Systems  
Brandeis University

September 14, 2004

**TITLE: “The Many Flavors of Temporal Coding in Gustatory Cortex”**

Hyder A. Jinnah, Ph.D. (Host – Dr. Mark LeDoux)  
Assistant Professor  
Department of Neurology  
Johns Hopkins University  
Baltimore, MD

September 21, 2004

**TITLE: “The Neurobiology of a Rare Genetic Disease: Lesch-Nyhan Syndrome”**

George Rebec, Ph.D. (Host – Dr. Jeff Steketee) September 28, 2004  
Indiana University  
Neural Science  
Psychology 361

**TITLE: “Neural Mechanisms of Relapse to Cocaine-seeking Behavior”**

Wayne Frankel, Ph.D. (Host - Dr. Robyn Wallace) October 5, 2004  
Senior Staff Scientist  
The Jackson Laboratory

**TITLE: “Genetic Studies of New Epilepsy Mutations and Models in Mice”**

Mark Jacquin, Ph.D. (Host – Dr. Eldon Geisert) October 12, 2004  
Professor of Neurology  
Department of Neurology  
Washington University  
St. Louis, MO

**TITLE: “Mechanisms of CNS Development and Repair: Neurotrophins, Transcription and Stem Cells”**

Yiai Tong, Ph.D. October 19, 2004  
Assistant Professor  
University of Tennessee Health Science Center  
Department of Anatomy & Neurobiology

**TITLE: “From DNA Microarray to Gene Function: Application of siRNA in Neuroscience”**

Dennis Defoe, Ph.D. (Host – Dr. Eldon Geisert) November 2, 2004  
Associate Professor  
East Tennessee State University  
Department of Anatomy & Neurobiology

**TITLE: “Cell Cycle Events Regulating Pigment Epithelial Cell Number and Size in Developing Retinas”**

Uel Jack McMahan, Ph.D. (Host – Dr. Robert Williams) November 9, 2004  
Professor of Neurobiology & Structural Biology  
Department of Neurobiology  
Stanford University  
Stanford, CA

**TITLE: “What high resolution electron microscope tomography can tell us about synaptic impulse transmission”**

Susan Ackerman, Ph.D. (Host – Dr. Kristin Hamre) November 16, 2004  
Staff Scientist  
The Jackson Laboratory

**TITLE:**

Arnold Kriegstein, Ph.D. (Host – Dr. Dan Goldowitz) November 30, 2004  
John & Elisabeth Harris Professor  
Department of Neurology  
Columbia University

**TITLE: “Neurogenic radial glia, patterns of neurogenesis and migration”**

Fu-Ming Zhou, Ph.D. December 7, 2004  
Assistant Professor  
Department of Pharmacology  
UTCHS

**TITLE: “Endogenous nicotinic cholinergic activity regulates dopamine release in the striatum”**

Dieter Jaeger, Ph.D. (Host - Dr. Detlef Heck) December 14, 2004  
Assistant Professor  
Department of Biology  
Emory University

**TITLE: “Synaptic Integration in Globus Pallidus Neurons with Dendritic Spike Initiation”**