

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

**SEMINAR SERIES SCHEDULE**

**FALL 2003**

**12:00 Noon**

**Link Auditorium**

**Asaf Keller, Ph.D.  
Professor, Department of Anatomy and Neurobiology  
University of Maryland School of Medicine  
Baltimore, MD**

**September 2, 2003**

**TITLE: "GATEWAYS TO TACTILE PERCEPTION: SENSORIMOTOR INTEGRATION  
IN THE WHISKER SYSTEM"**

**Hao Chen, Ph.D.  
Postdoctoral Trainee, Department of Pharmacology  
UTCHS  
Memphis, TN**

**September 9, 2003**

**TITLE: "SCALE-FREE TOPOLOGY OF CONTENT-RICH BIOLOGICAL NETWORKS  
CONSTRUCTED BY TEXT-MINING PUBMED ABSTRACTS"**

**Nelson Spruston, Ph.D.  
Associate Professor, Department of Neurobiology and Physiology  
Northwestern University  
Evanston, IL**

**September 16, 2003**

**TITLE: "DENDRITIC EXCITABILITY AND SYNAPTIC PLASTICITY IN THE  
HIPPOCAMPUS"**

**Michael Miles, Ph.D.  
Virginia Commonwealth University  
Department Pharmacology/Toxicology & Neurology  
P.O. Box 980599  
Richmond, VA 23298  
\*\*Co-sponsored by Genomics COE**

**September 23, 2003**

**TITLE: "GENETICS, DRUGS AND CHIPS: MOLECULAR TRIANGULATION ON CNS  
PLASTICITY IN DRUG ABUSE"**

**Elissa Chesler, Ph.D.  
Postdoctoral Research Trainee, Department of Anatomy & Neurobiology  
UTCHS  
Memphis, TN**

**September 30, 2003**

**TITLE: "GENETIC INTERACTIONS WITH THE LABORATORY ENVIRONMENT"**

**Anthony van den Pol, Ph.D.**  
Professor, Department of Neurosurgery  
Yale University School of Medicine  
New Haven, CT

**October 7, 2003**

**TITLE: "VIRAL SUBSTRATES FOR NEUROLOGIC AND PSYCHIATRIC DYSFUNCTION"**

**Bruce Appel, Ph.D.**  
Department of Biological Sciences  
Vanderbilt University  
2401 Stevenson Center  
1161 21<sup>st</sup> Avenue South  
Nashville, TN 37235

**October 14, 2003**

**TITLE: PROMOTING DIVERSITY: NOTCH AND HEDGEHOG SIGNALING  
COORDINATELY REGULATE SPECIFICATION OF COMMON PRECURSORS FOR  
MOTOR NEURON, OLIGODENDROCYTE AND INTERNEURON FATES"**

**NOTE – SPECIAL FRIDAY SEMINAR THIS WEEK**

**Eric J. Delpire, Ph.D.**  
Vanderbilt University Medical Center  
Department Anesthesiology  
T-4202 Medical Center N.  
Nashville, TN 37232-2520

**Friday, October 17, 2003**

**TITLE: "A ROLE FOR CATION-CHLORIDE COTRANSPORTER IN SYNAPTIC  
TRANSMISSION"**

**Adrian J. Dunn, Ph.D.**  
Professor & Chair, Department Pharmacology  
LSU Medical Center  
Shreveport, LA

**October 21, 2003**

**TITLE: "MECHANISMS BY WHICH CYTOKINES AFFECT THE HPA AXIS AND  
BEHAVIOR"**

**Marina Wolf, Ph.D.**  
Professor and Chair, Department of Neuroscience  
Chicago Medical School  
North Chicago, IL

**October 28, 2003**

**TITLE: "HOW DO DRUGS OF ABUSE REWIRE THE MOTIVATIONAL CIRCUITRY?"**

**Clark Blatteis, Ph.D.**  
Professor, Department of Physiology  
UTCHS  
Memphis, TN

**November 4, 2003**

**TITLE: "PYROGENIC SIGNALING: FROM THE LIVER TO THE BRAIN"**

***SOCIETY FOR NEUROSCIENCE ANNUAL MEETING-NO SEMINAR - November 11, 2003***

**Steven Munger, Ph.D. November 18, 2003**  
Assistant Professor, Department of Anatomy and Neurobiology  
University of Maryland  
Baltimore, MD

**TITLE: "THE MOLECULAR BASIS OF SMELL AND TASTE"**

**Alfred George, Ph.D. November 25, 2003**  
Professor, Department of Medicine and Pharmacology  
Vanderbilt University  
Nashville, TN

**TITLE: "INHERITED DISORDERS OF VOLTAGE-GATED SODIUM CHANNELS"**

***PLEASE NOTE ROOM CHANGE – GEBA203***

**Lori Isom, Ph.D. December 2, 2003**  
Associate Professor, Department of Pharmacology  
University of Michigan  
Ann Arbor, MI

**TITLE: "SODIUM CHANNEL  $\beta$  SUBUNITS: ANYTHING BUT AUXILIARY"**

**Kenneth Campbell, Ph.D. December 9, 2003**  
Assistant Professor, Division of Developmental Biology  
Children's Hospital Research Foundation  
Cincinnati, OH

**TITLE: "MECHANISMS OF PATTERNING AND DIFFERENTIATION IN THE DEVELOPING MOUSE TELEENCEPHALON"**

**David Perkel, Ph.D. December 16, 2003**  
Associate Professor, Department of Zoology  
University of Washington  
Seattle, WA

**TITLE: "CELLULAR APPROACHES TO VOCAL LEARNING IN SONGBIRDS"**