THE UNIVERSITY OF TENNESSEE HEALTH SCIENCE CENTER
THE NEUROSCIENCE INSTITUTE

SEMINAR SERIES SCHEDULE
WINTER/SPRING 2003

12:00 Noon Link Auditorium

ERIK COOK, PH.D. January 07, 2003
Department of Molecular and Cellular Biology
Harvard University School of Medicine
Boston, MA

TITLE: “THE LINK BETWEEN NEURONAL RESPONSES IN VISUAL CORTEX AND
MOTION DETECTION”

GEOFF MURPHY, PH.D. January 14, 2003
Department of Neurobiology, Psychiatry & Psychology
Brain Research Institute
University of California
Los Angeles, CA

TITLE: “MOUSE MODELS OF AGE-RELATED COGNITIVE DECLINE”

ROBERT WILLIAMS, PH.D. January 21, 2003
Department of Anatomy and Neurobiology
University of Tennessee Health Science Center
Memphis, TN

TITLE: “GENETIC ANALYSIS OF VARIATION IN BRAIN STRUCTURE AND
TRANSCRIPTIONAL ACTIVITY”

REESE SCROGGS, PH.D. January 28, 2003
Department of Anatomy and Neurobiology
University of Tennessee Health Science Center
Memphis, TN

TITLE: “SEROTONIN PROLONGS THE OPEN TIME OF TTX-RESISTANT NA+
CHANNELS IN RAT NOCICEPTORS”
TERESA NICK, PH.D.  
Division of Biology  
California Institute of Technology  
Pasadena, CA  

TITLE:  “PLASTICITY IN A VOCAL LEARNING SYSTEM: LESSONS FROM BIRDSONG”  

DETELF HECK, PH.D.  
Department of Neurobiology and Biophysics  
University of Freiburg Institute for Biology  
Freiburg, Germany  

TITLE:  “SPATIO-TEMPORAL ACTIVITY PATTERNS AS A KEY TO A CEREBRO-CEREBELLAR INTERACTION”  

ANIS CONTRACTOR, PH.D.  
Molecular Neurobiology lab  
Salk Institute of Biological Studies  
La Jolla, CA  

TITLE:  “MECHANISMS OF PLASTICITY AT THE HIPPOCAMPAL MOSSY FIBER SYNAPSE”  

KRISTIN HAMRE, PH.D.  
Department of Anatomy and Neurobiology  
University of Tennessee Health Science Center  
Memphis, TN  

TITLE:  “ANALYSIS OF ALCOHOL RESPONSES AND DEVELOPMENTAL DYSFUNCTION USING GENETIC MOUSE MODELS”  

MICHAEL DYER, PH.D.  
Department of Developmental Neurobiology  
St. Jude Children’s Research Hospital  
Memphis, TN  

TITLE:  “PROLIFERATION CONTROL DURING RETINAL DEVELOPMENT AND DISEASE”
HITOSHI KOMURO, PH.D.  
Department of Neurosciences  
Lerner Research institute  
Cleveland Clinic Foundation  
Cleveland, OH  

TITLE:  “CEREBELLAR GRANULE CELL MIGRATION”  
INDIRA RAMAN, PH.D.  
Department of Neurobiology and Physiology  
Northwestern University  
Evanston, IL  

TITLE:  “SIGNaling BETWEEN PURKINJE CELLS AND NEURONS OF THE  
CEREBELLAR NUCLEI”  

PETER HITCHCOCK, PH.D.  
Department of Ophthalmology  
University of Michigan  
Ann Arbor, MI  

TITLE:  “STEM CELLS IN THE TELEOST RETINA: PERSISTENT NEUROGENESIS  
AND INJURY-INDUCED REGENERATION”  

PAUL MAY, PH.D.  
Department of Anatomy  
University of Mississippi Medical Center  
Jackson, MS  

TITLE:  “CONTROLLING THE WINDOWS OF THE MIND: PUPILLARY AND  
OTHER OCULOMOTOR CIRCUITS”  

GREGORY ORDWAY  
Department of Psychiatry  
University of Mississippi Medical Center  
Oxford, MS  

TITLE:  TBA
JOHN ADELMAN, PH.D.  
Vollum Institute  
Oregon Health and Science University  
Portland, OR  

TITLE: “STRUCTURE, FUNCTION, AND PHYSIOLOGICAL ROLE OF SMALL CONDUCTANCE Ca2+-ACTIVATED K+ CHANNELS”

BRET SMITH, PH.D.  
Department of Cell Molecular Biology  
Tulane University  
New Orleans, LA  

TITLE: “MODULATION OF SYNAPTIC ACTIVITY IN THE VAGAL COMPLEX: IMPLICATIONS FOR AUTONOMIC COORDINATION”

QUENTIN PITTMAN, PH.D.  
Department of Physiology and Biophysics  
University of Calgary  
Calgary, Canada  

TITLE: “BACKTALK IN NEURONS: RETROGRADE TRANSMISSION IN THE SUPRAOPTIC NUCLEUS”

RODRIGO ANDRADE, PH.D.  
Department of Psychiatry  
Wayne State University  
Detroit, MI  

TITLE: “REGULATION OF PYRAMIDAL CELL EXCITABILITY BY SEROTONIN IN THE PREFRONTAL CORTEX”

ERIC JOHNSON, PH.D.  
Department of Genetics  
Barrow Neurological Institute  
Phoenix, AZ  

TITLE: “GENE DISCOVERY: FAMILIAL FEBRILE SEIZURES AND FAMILIAL EATING EPILEPSY”