

**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

February 04, 2003

TITLE: "PLASTICITY IN A VOCAL LEARNING SYSTEM: LESSONS FROM BIRDSONG"

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

February 18, 2003

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

February 25, 2003

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

March 04, 2003

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

March 11, 2003

TITLE: "PROLIFERATION CONTROL DURING RETINAL DEVELOPMENT AND DISEASE"

HITOSHI KOMURO, PH.D.
Department of Neurosciences
Lerner Research institute
Cleveland Clinic Foundation
Cleveland, OH

March 18, 2003

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

March 25, 2003

**TITLE: "SIGNALING BETWEEN PURKINJE CELLS AND NEURONS OF THE
CEREBELLAR NUCLEI"**

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

April 01, 2003

**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

April 08, 2003

**TITLE: "CONTROLLING THE WINDOWS OF THE MIND: PUPILLARY AND
OTHER OCULOMOTOR CIRCUITS"**

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

April 15, 2003

TITLE: TBA

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

April 22, 2003

**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

April 29, 2003

**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

May 06, 2003

**TITLE: "BACKTALK IN NEURONS: RETROGRADE TRANSMISSION IN THE
SUPRAOPTIC NUCLEUS"**

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

May 13, 2003

**TITLE: "REGULATION OF PYRAMIDAL CELL EXCITABILITY BY SEROTONIN
IN THE PREFRONTAL CORTEX"**

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

May 20, 2003

**TITLE: "GENE DISCOVERY: FAMILIAL FEBRILE SEIZURES AND FAMILIAL
EATING EPILEPSY"**