

The Center for Neuroscience

Spring 1998 Seminar Schedule

Unless noted otherwise, all seminars are held at noon on Tuesdays in the 2nd floor Link Building Auditorium.

Seminar Speakers

January 13, 1998

BRUCE P. BEAN, PH.D.

Professor

Department of Neurobiology

Harvard University Medical Center

Boston, MA

TITLE: "SODIUM CHANNELS AND ACTION POTENTIALS IN PURKINJE NEURONS"

January 20, 1998

BEN D. BENNETT, PH.D.

Postdoctoral Research Associate

Department of Anatomy and Neurobiology

The University of Tennessee, Memphis

Memphis, TN

TITLE: "THE GIANT NEOSTRIATAL INTERNEURONS OF KOLLIKER (1896): AN UPDATE"

January 27, 1998

MICHAEL J. RUCKENSTEIN, M.D.

Assistant Professor

Departments of Otolaryngology and Anatomy and Neurobiology

The University of Tennessee, Memphis

Memphis, TN

TITLE: "THE MRL/FAS-1PR MOUSE, A MODEL OF INNER EAR DISEASE"

February 3, 1998

JOHN N. FAIN, PH.D.

Van Vleet Professor and Chair

Department of Biochemistry

The University of Tennessee, Memphis
Memphis, TN

**TITLE: "HORMONAL REGULATION OF RELEASE OF LEPTIN BIOSYNTHESIS
IN ADIPOSE TISSUE WITH EMPHASIS ON THE ROLE OF GROWTH
HORMONE, TRIIODOTHYRONINE AND INSULIN"**

February 10, 1998

PASKO RAKIC, PH.D.

Professor and Chair
Department of Neurobiology
Yale University School of Medicine
New Haven, CT

**TITLE: "CONTROL OF CELL PRODUCTION AND ALLOCATION IN THE
CEREBRAL CORTEX"**

February 17, 1998

JAMES R. BLOEDEL, M.D., PH.D.

Professor
Department of Neurobiology
St. Joseph's Hospital and Medical Center
Barrow Neurology Institute
Phoenix, AZ

**TITLE: CONTRIBUTION OF THE CEREBELLUM TO THE LEARNING OF
MOTOR TASKS"**

February 24, 1998

CHARLES LEFFLER, PH.D.

Professor
Department of Physiology and Biophysics
The University of Tennessee, Memphis
Memphis, TN

**TITLE: "PARACRINE MECHANISMS IN CONTROL OF CEREBRAL
CIRCULATION"**

March 3, 1998

DAVID TERMAN, PH.D.

Assistant Professor
Department of Mathematics
Ohio State University
Columbus, OH

**TITLE: "FUNCTIONAL REORGANIZATION IN THALAMOCORTICAL
NETWORKS: TRANSITION BETWEEN SPINDLING AND DELTA SLEEP
RHYTHMS"**

March 10, 1998

CHRIS J. McBAIN, PH.D.

Investigator

Unit on Cellular and Synaptic Physiology

National Institutes of Health. NICHD-LCMN

Bethesda, MD

TITLE: "A LACK OF PRE AND POSTSYNAPTIC FORMS OF PLASTICITY AT EXCITATORY SYNAPSES ONTO HIPPOCAMPAL INTERNEURONS"

March 17, 1998

HUDA ZOGHBI, M.D.

Investigator, Howard Hughes Medical Institute

Professor

Departments of Pediatrics, Neurology, and Molecular and Human Genetics

Baylor College of Medicine

Houston, TX

TITLE: "PROGRESS IN PATHOGENESIS STUDIES OF SPINOCEREBELLAR ATAXIA TYPE 1"

March 24, 1998

DAVID MENDELOWITZ, PH.D.

Assistant Professor

Department of Physiology and Biophysics

The University of Tennessee, Memphis

Memphis, TN

TITLE: "CHOLINERGIC MODULATION OF CARDIAC VAGAL NEURONS IN THE BRAINSTEM"

March 31, 1998

ROBERT W. WILLIAMS, PH.D.

Professor

Department of Anatomy and Neurobiology

The University of Tennessee, Memphis

Memphis, TN

TITLE: "COMBINING QUANTITATIVE NEUROSCIENCE WITH QUANTITATIVE GENETICS TO MAP GENES THAT CONTROL THE SIZE AND CELL NUMBER OF THE MOUSE CNS"

April 7, 1998

FRANK D. VRIONIS, PH.D.

Professor

Departments of Neurosurgery and Anatomy and Neurobiology
The University of Tennessee, Memphis
Memphis, TN

TITLE: "ADVANCES IN BRAIN TUMOR RESEARCH"

April 14, 1998

ANTON J. REINER, PH.D.

Professor

Department of Anatomy and Neurobiology
The University of Tennessee, Memphis
Memphis, TN

TITLE: WHAT KILLS STRIATAL NEURONS IN HUNTINGTON'S DISEASE?"

April 21, 1998

SUSAN E. SENOGLES, PH.D.

Associate Professor

Department of Biochemistry
The University of Tennessee, Memphis
Memphis, TN

TITLE: "D2 DOPAMINE RECEPTOR SIGNALLING"

April 28, 1998

LEONARD SHARE, PH.D.

Professor

Department of Physiology and Biophysics
The University of Tennessee, Memphis
Memphis, TN

TITLE: "SEX DIFFERENCES IN THE CARDIOVASCULAR ACTIONS OF VASOPRESSIN"

May, 1998

LINDA A. TOTH, D.V.M, PH.D.

Associate Professor

Department of Physiology and Biophysics
The University of Tennessee, Memphis
Memphis, TN

TITLE: "MECHANISMS OF STRAIN-DEPENDENT DIFFERENCES IN INFECTION - INDUCED SLEEP IN INBRED MICE"