

LSU Health Sciences Center School of Medicine in New Orleans

LSU NEUROSCIENCE CENTER OF EXCELLENCE 2002 Calendar of Events and Speakers

Chancellor's Award Lecture

June 20 **Sir John Vane, Nobel Laureate in Physiology or Medicine, 1982**
William Harvey Research Institute
St. Bartholomew's Hospital Medical College,
London, England
"My Life and Times with Enzymes and Mediators"

Sept 19 **Steven Fliesler, Ph.D.**
Saint Louis University School of Medicine
"Cholesterol Metabolism and Retinal Degeneration: Bio-chemical, Histological, and Functional Correlates in Rodent Models of Human Diseases"

Oct 11 **Ruben Adler, M.D.**
Johns-Hopkins University School of Medicine
"Stem Cells, Neurotrophic Factors, and the Treatment of Retinal Degeneration: A Cellular and Developmental Perspective"

Oct 25 **Gregg Semenza, M.D., Ph.D.**
Johns-Hopkins Hospital
"Expression of Hypoxia-Inducible Factor 1 in Ischemic and Neoplastic Brain Tissue: Basic Science and Potential Clinical Applications"

Dec 3 **Rubens Belfort, Ph.D.**
Federal University of São Paulo
(Escola Paulista de Medicina-Hospital São Paulo)
"Ocular Toxoplasmosis"

Distinguished Lecturer Series

Feb 15 **Kenneth Lundstrom, Ph.D.**
MePNet, (Membrane Protein Network)
"Semliki Forest Virus Vectors: From Receptor Crystallization to Gene Therapy"

Sept 12 **Sander Flaum**
Chairman and CEO, Robert A. Becker, Inc.
"The Future of the Pharmaceutical Industry: Opportunities for University Research"

Seminar Series

Mar 13 **Graham C.R. Ellis Davies, Ph.D.**
MCP Hahnemann University
"Photochemical Stimulation of Single Synapses in Brain Slices"

Mar 15 **George H. DeVries, Ph.D.**
Laboratory of Cellular Neurobiology, Hines VA Hospital and Loyola University Medical Center
"Neurogulins, Nogo, and Neural Plasticity"

April 19 **Larry Trussel, Ph.D.**
Oregon Health & Science University
"Regulation of Transmitter Release by Ionotropic Receptors"

May 15 **William H. Hansel, Ph.D.**
Pennington Biomedical Center, LSU
"Lytic Peptide's Conjugates Destroy Hormone Dependent and Independent Prostate and Breast Cancer Cells in Vitro and In Vivo"

May 17 **Peter Gillespie, Ph.D.**
Oregon Health & Science University
"Myosin-1c Mediates Slow Adaptation in Mouse Hair Cells: Application of a Chemical-Genetics Approach"

June 17 **Paula Grammas, Ph.D.**
The University of Oklahoma Health Sciences Center
"A Role for Brain Blood Vessels in the Pathogenesis of Alzheimer's Disease"

Aug 16 **Elio Vanin, Ph.D.**
Baylor College of Medicine
"Gene Transfer into Hemopoietic Stem Cells"

Aug 27 **Sampath Parthasarathy, Ph.D.**
Emory University School of Medicine
"Antioxidants and Pro-Oxidants: Should We be Concerned?"

Sept 10 **Hugh Xia, Ph.D.**
Stanford University
"Glutamate Receptor Trafficking and Synaptic Plasticity"

Oct 15 **Michael Balazy, Ph.D.**
New York Medical College
"Novel Mechanisms of Arachidonic Acid Transformations by Nitrogen Dioxide Radical"

Minisymposium on Cell Signaling

Thursday, February 14, 2002, 12:00p.m.-2:00p.m.
LSU Health Sciences Center, Neuroscience Center of Excellence

Steffany A.L. Bennett, Ph.D.
Neural Regeneration Laboratory, University of Ottawa
"To Live and Let Die: Searching for the Apoptogenic PAF Binding Protein"

Fanny Bonin
Neural Regeneration Laboratory, University of Ottawa
"A Time to Live: PAF Receptor-GPCR Activation Inhibits Growth Arrest Associated with Neuronal Differentiation"

Tia Moffat
Neural Regeneration Laboratory, University of Ottawa
"A Time to Die: PAF-induced Apoptosis of Human Neurons But Not Neural Precursors"

The Fourteenth Annual LSU Neuroscience Center Retreat

Future of Neuroscience: Applications of Knowledge
Symposium

Friday, March 1, 2002, 2:00p.m.-5:00p.m.
LSUHSC, Neuroscience Center of Excellence

Edmond H. Fischer, Ph.D., Nobel Laureate in Physiology or Medicine, 1992
University of Washington, Seattle, WA
"How Proteins Speak with One Another in Cell Signaling"

Albert J. Aguayo, M.D.
Montreal General Hospital, McGill University
"Regeneration of Injured Axons in the Adult Mammalian CNS"

Guy M. McKhann, M.D.
Johns-Hopkins University, Department of Neurology
"Neurological Outcomes after Coronary Bypass Surgery: A Model for Studies of Neuroprotection"

Roundtable and Open Discussion
Saturday, March 2, 2002, 8:00a.m.-2:00p.m.
University of New Orleans, University Center

Edmond H. Fischer, Ph.D., Nobel Laureate in Physiology or Medicine, 1992
University of Washington, Seattle, WA
"Cellular Regulation by Protein Phosphorylation: How It All Began"

Nicolas G. Bazan, M.D., Ph.D.
LSUHSC Neuroscience Center of Excellence
"New Strategy for Developing Neuroprotective Drugs"

Albert J. Aguayo, M.D.
McGill University
"Regeneration in the Adult Mammalian Brain"

Guy M. McKhann, M.D.
Johns-Hopkins University School of Medicine
"The Outlook for Intervention in Alzheimer's Disease"

Interdisciplinary Ph.D. Program in Neuroscience

Applications are now being accepted for the Interdisciplinary Ph.D. Training Program in Neuroscience. The intensive training provided by this program reflects the breadth of faculty research programs, including behavioral neuroscience and molecular neurobiology, with concentrations ranging from genes, to cells, to human behavior. Stipend support is available on a competitive basis. Highly qualified individuals should send inquiries to: Nicolas G. Bazan, M.D., Ph.D., or R. Ranney Mize, Ph.D., Co-Directors of the Interdisciplinary Ph.D. Program, c/o LSUHSC Neuroscience Center of Excellence, 8th floor, 2020 Gravier Street, NOLA 70112, or visit our website at: <http://www.neuroscience.lsuhs.edu>.

Summer Undergraduate Neuroscience (SUN) Program and the High School Neuroscience Program

The LSU Neuroscience Center SUN Program is a unique opportunity for exceptionally well-qualified undergraduate and high school students to experience state-of-the-art neuroscience research in the laboratory working along with investigators and their research teams. During the ten-week Program, students attend a formal lecture series highlighting the cellular and molecular aspects of the nervous system, and meet with the many distinguished neuroscientists who visit the campus. Excellent stipend support is provided to the selected undergraduate students. This year, 2002, will be the ninth year of the SUN Program. Undergraduate students should have completed the second year of college and should have demonstrated an interest in pursuing a career in science or medicine. High school students should be Louisiana residents and will participate in an abbreviated form of the Program. Research experience is not necessary. Inquiries should be addressed to: Dr. Nicolas G. Bazan or Dr. Larry Carver, Neuroscience SUN Program, Suite D, 2020 Gravier Street, New Orleans, LA 70112.

Neuroscience Center of Excellence and Department of Ophthalmology

Workshop: Retinal Degeneration and Repair

Twentieth Anniversary of the
Ernest C. and Yvette C. Villere Chair
for the Study of Retinal Degeneration
Wednesday, November 20, 2002, 8:30a.m.-5:15p.m.
Louisiana State University Health Sciences Center,
New Orleans, LA

Paul Sieving, M.D., Ph.D. - Keynote Speaker

Director
National Eye Institute, Bethesda, MD
"Night-blindness and the State of Rod Photoreceptors in Retinitis Pigmentosa Rhodopsin Mutations"

Marco Zarbin, M.D., Ph.D.
UMDNJ-New Jersey Medical School
"RPE Replacement for Age-Related Macular Degeneration: Experimental Studies"

Nicolas G. Bazan, M.D., Ph.D.
LSUHSC Neuroscience Center of Excellence
"Photoreceptors Neuroprotection: Fatty Acids, Lipid Messengers, and Signaling to Genes"

Robert Anderson, M.D., Ph.D.
University of Oklahoma Health Sciences Center
"Activation of AKT in Retinal Organ Cultures in Response to Insulin Mediated through Phosphoinositide 3 Kinase"

Connie Cepko, Ph.D.
Harvard Medical School/HHMI
"Genomics Approaches to Retinal Development"

Steven Fisher, Ph.D.
University of CA Santa Barbara
"The Unexpected Capacity of Mammalian Retina for Neuronal and Glial Cell Remodeling"

Robert Marc, Ph.D.
University of Utah School of Medicine
"Neural Remodeling in Retinal Degeneration"

Dean Bok, Ph.D.
University of California
"Gene-based Therapeutic Strategies for the Treatment of Inherited Retinal Disease in Animal Models"

John H. Wilson, Ph.D.
Baylor College of Medicine
"Knock-In Mouse Models for Therapy of Retinal Diseases"

William Hauswirth, Ph.D.
University of Florida College of Medicine
"AAV-vectored Therapies for Retinal Neovascular Diseases"

Joe G. Hollyfield, Ph.D.
Cleveland Clinic Foundation
"Proteomics of Isolated Drusen and Bruch's Membrane: New Approaches to Understanding Age-Related Macular Degeneration"

Matthew LaVail, Ph.D.
UCSF School of Medicine
"Models, Mechanisms and Therapy for Retinal Degenerations with MERTK Mutations"

All Lectures are at:
The Neuroscience Center of Excellence
8th Floor Conference Room
2020 Gravier Street
New Orleans, Louisiana
Call Karen Cappiello
(504) 568-0835
for more information

LSU