Seminar Series: Spring 2010

January

January 4 - Hiroshi Nishimune, Ph.D.
Assistant Professor
Anatomy & Cell Biology
KUMC
Organization of Presynaptic Terminals by Voltage Dependent Calcium Channel and its Extracellular Ligand

January 11 - Sandra Billinger, PT, Ph.D., FAHA
Research Assistant Professor
Physical Therapy and Rehabilitation Science
KUMC
Altered Cardiovascular Function after Stroke

January 18 - No Seminar - Martin Luther King, Jr. Day

January 25 - V. Gustavo Blanco, M.D., Ph.D.
Associate Professor
Molecular & Integrative Physiology
KUMC
Ouabain Induced and Na,K-ATPase Mediated Signaling in Polycystic Kidney Disease

February

February 1 - Juan Arroyo, Ph.D.
Assistant Professor
Obstetrics & Gynecology
KUMC
eNOS Protein Expression and Apoptosis in an Ovine Model of Intrauterine Growth Restriction (IUGR)

February 8 - **CANCELED**
Barry B. Kaplan, Ph.D.
Senior Investigator
Laboratory of Molecular Biology
NIMH
Subcellular Compartmentation of Neuronal Protein Synthesis: New Insights into the Biology of the Neuron

February 15 - Rohit Bakshi, M.D., F.A.A.N.
Associate Professor
Neurology & Radiology
February 22 - Russell Swerdlow, M.D.
Professor
Neurology
KUMC
*Mitochondria and Neurodegeneration*

March

March 2 - **Kathleen M. Osborn Lectureship**
Mario Ascoli, Ph.D.
Professor
Department of Pharmacology
Carver College of Medicine
University of Iowa
Iowa City, IA
*Signaling Pathways that Affect the Proliferation and Survival of Leydig Cells. A Tale of Immortalized Cell Lines, Primary Cultures and Mice*

March 8 - Sarah L. Kieweg, Ph.D.
Assistant Professor
Mechanical Engineering
University of Kansas, Lawrence
*Biomechanical and Computational Molecular Design of Vaginal Microbicides*

March 15 - Paul M. Kulesa, Ph.D.
Director of Imaging Center
Stowers Institute for Medical Research
Kansas City, MO
*Neural Crest Migration: VEGF Chemoattraction Drives Cells to Head Targets*

March 22 - Tamara Jimenez Alarcon
Graduate Student
Molecular & Integrative Physiology
KUMC
*The Na,K-ATPase a4 Isoform. Mechanisms of Action and Changes during Sperm Capacitation*

March 26 - Shrikant Anant, Ph.D.
Program Leader, Gastrointestinal Cancers
Oklahoma University Cancer Institute
Associate Professor
Department of Medicine/Gastroenterology and Nutrition
Backseat Drivers in Absolute Control: A New Paradigm in Cancer Biology

**March 29 - **Voyages Lecture Series**
Paul Schloerb, M.D.
Professor of Surgery Emeritus
Surgery
KUMC
*Body Water, etc.*

**April**

**April 5 -** Sarah Smith
Graduate Student
Molecular & Integrative Physiology
KUMC
*The Role of Bem1 in Actin-Independent Symmetry Breaking in S. cerevisiae*

**April 12 -** Daotai Nie, Ph.D.
Associate Professor
Department of Medical Microbiology, Immunology and Cell Biology
Southern Illinois University School of Medicine
Springfield, IL
*Nanog, Cancer Stem Cells, and Resistance to Chemotherapy*

**April 19 -** Jie Chao
Graduate Student
Molecular & Integrative Physiology
KUMC
*Mechanisms of Systemic Microvascular Inflammation Induced by Acute Alveolar Hypoxia*

**April 26 - **Fred E. Samson Lectureship**
Howard S. Fox, M.D., Ph.D.
Professor & Executive Vice-Chair
Department of Pharmacology and Experimental Neuroscience
University of Nebraska Medical Center
Omaha, NE
*Chronic Viral Infection of the Brain: Applying Lessons Learned from HIV/SIV*

**May**

**May 3 -** Robyn Honea, D.Phil
Research Assistant Professor
Neurology
Alzheimer's and Memory Group
KUMC

**Brain Imaging: A Window into the Complex Genetic and Environmental Influences on the Aging Brain**

May 10 - J. Eva Selfridge
Graduate Student
Molecular & Integrative Physiology
KUMC

**Mechanisms of Sympathetic Remodeling in the Uterus: A Model for Degeneration**

May 14 - Jeffrey D. Milbrandt, M.D., Ph.D.
James S. McDonnell Professor & Chair
Department of Genetics
Professor
Departments of Pathology & Immunology, Neurology & Medicine
Washington University School of Medicine
St. Louis, MO

*Altering Neuronal/Glial Metabolism to Prevent Axonal Degeneration*

May 17 - Gustaf Van Acker
Graduate Student
Molecular & Integrative Physiology
KUMC

*Assessment of Cortico-Muscle Connectivity of the Macaque Forelimb using RL-ICMS*

May 24 - **CANCELED**
Barry Zirkin, Ph.D.
Professor
Biochemistry & Molecular Biology
Johns Hopkins University
Baltimore, MD

*Leydig Cell Development and Aging: Mechanisms and Consequences*

May 31 - No Seminar - Memorial Day