Seminar Series: Spring 2008

January

January 7 - Susana C. Pfannenstiel, M.D.
Post Doctoral Research Fellow
Otorhinolaryngology, Head & Neck Surgery
KUMC
*Modeling in Prevention of Cochlear Damage*

January 14 - Beth A. Habecker, Ph.D.
Associate Professor
Department of Physiology & Pharmacology
Oregon Health & Science University
Portland, OR
*Infarction-Induced Changes in the Cardiac Sympathetic Innervation*

January 28 - Thomas M. Yankee, Pharm.D., Ph.D.
Assistant Professor
Microbiology, Molecular Genetics & Immunology
KUMC
*Defining the T Cell Repertoire: Signaling Pathways that Regulate T Cell Development*

February

February 4 - M. Laird Forrest, Ph.D.
Assistant Professor
Department of Pharmaceutical Chemistry
University of Kansas, Lawrence
*New Routes for Chemotherapeutic Intervention Using Nanotechnology*

February 11 - Robert J. Morecraft, Ph.D.
Professor
Division of Basic Biomedical Sciences
Laboratory of Neurological Sciences
University of South Dakota School of Medicine
*Neuroanatomical Correlates of Motor Recovery Following Brain Injury: Distributed Corticofugal Fiber Representation and Corticospinal Plasticity in Non-Human Primates*

February 18 - Erik S. Van Vleck, Ph.D.
Professor
Department of Mathematics
University of Kansas, Lawrence
*Models and Data in Biology and Physiology: A Dynamical Systems Perspective*
February 25 - Gaurav Chaturvedi, Ph.D.
Research Assistant Professor
Molecular & Integrative Physiology
KUMC
*Are We There Yet? Stem Cells: Promises and Beyond*

March

March 3 - Jun (Luke) Huan, Ph.D.
Assistant Professor
Department of Electrical Engineering & Computer Science
University of Kansas, Lawrence
*From Protein Structure to Function: A Data Mining Approach*

March 10 - Stephanie Fiedler, B.A.
Graduate Student
Molecular & Integrative Physiology
KUMC
*Transcriptional Regulation of miRNA-212/132 Expression in Murine Periovulatory Granulosa Cells*

Anisha Gupta, M.S.
Graduate Student
Molecular & Integrative Physiology
KUMC
*Heat Shock Proteins: Emerging Therapeutic Targets Against Insulin Resistance*

March 17 - Paul Trainor, Ph.D.
Associate Investigator
Stowers Institute for Medical Research
Kansas City, MO
*The Etiology and Pathogenesis of Congenital Craniofacial Birth Defects*

March 24 - Sarah Tague, M.S.
Graduate Student
Molecular & Integrative Physiology
KUMC
*The Pains of a Vitamin D Deficiency: Role of Nociceptor Sprouting*

Gwenalle Wernli, B.S.
Graduate Student
Molecular & Integrative Physiology
KUMC
*Macrophage Depletion Suppresses Sympathetic Hyperinnervation Following Myocardial Infarction*
March 31 - Isaac Onyango, Ph.D.  
Research Assistant Professor  
Neurology  
KUMC  
*Mitochondrial Dysfunction in Alzheimer's Disease*

April

April 7 - Darwin K. Berg, Ph.D.  
Distinguished Professor  
Division of Biological Sciences  
University of California - San Diego  
*Nicotinic Control of Neural Development and Synapse Formation*

April 14 - Sara Turk, M.S.  
Graduate Student  
Molecular & Integrative Physiology  
KUMC  
*The Role of Erg1 in the Gonadotropes*

Martha Ziegler, B.A.  
Graduate Student  
Molecular & Integrative Physiology  
KUMC  
*The Expression and Function of MicroRNA-21 in Mouse Granulosa Cells*

April 21 - Argenia Doss, B.A.  
Graduate Student  
Molecular & Integrative Physiology  
KUMC  
*Diabetic Peripheral Neuropathy: Is There a Role for Female Hormones?*

Alison Ting, B.A.  
Graduate Student  
Molecular & Integrative Physiology  
KUMC  
*Protective Effect of Tamoxifen Against Ovarian Follicle Loss Caused by Multiple Ovotoxic Agents*

April 28 - Tom Donohue, B.S.  
Graduate Student  
Molecular & Integrative Physiology  
KUMC  
*Parasympathetic Withdrawal in Heart Failure Involves Changes in Axo-Axonal Coupling at the Sinoatrial Node*
George Thomas, B.S.
Graduate Student
Molecular & Integrative Physiology
KUMC
*Insulin Modulates Hippocampal Function During Memory Encoding in Early Alzheimer's Disease*

May

**May 5** - John Q. Wang, M.D., Ph.D.
Professor and Westport Anesthesia Missouri Endowed Chair
Department of Anesthesiology
University of Missouri - Kansas City
*Dopamine Regulation of NMDA Receptors in Synaptic Plasticity and Drug Use*

**May 12** - Beth Levant, Ph.D.
Associate Professor
Pharmacology, Toxicology & Therapeutics
KUMC
*Decreased Brain Omega-3 DHA Produces Neurobiological Effects Associated with Depression: Interactions with Reproductive Status in Female Rats*

**May 19** - Craig S. Atwood, Ph.D.
Associate Professor
Department of Medicine
University of Wisconsin - Madison
*Living and Dying for Sex and the Ovarian Fountain of Youth*

**May 22** - **Dr. Frederick E. Samson, Jr. Memorial Lectureship**
Mark P. Mattson, Ph.D.
Chief Laboratory of Neurosciences
National Institute of Aging
*Protecting the Brain Against Oxidative Stress Through Hormesis*