Seminar Series: Spring 2009

January

**January 5** - Charles W. Van Way, III, M.D.
Professor of Surgery
Sosland/Missouri Endowed Chair of Trauma Research
Director of Shock/Trauma Research Center
University of Missouri - Kansas City
*Pharmacologic Treatment of Hemorrhagic Shock*

**January 12** - David C. Poole, Ph.D., D.Sc.
Professor
Departments of Kinesiology, Anatomy & Physiology
Kansas State University - Manhattan
*Myths and the Microcirculation: Inconvenient Truths*

**January 19** - No Seminar - Martin Luther King, Jr. Holiday

**January 26** - Robert A. White, Ph.D.
Director, Molecular Genetics Research Laboratory
Children's Mercy Hospital
Associate Professor, Pediatrics
University of Missouri - Kansas City
*The Search for a Novel Gene for Hereditary Spherocytosis using the Nan ( Neonatal Anemia) Mouse Model*

February

**February 2** - Darren P. Wallace, Ph.D.
Research Assistant Professor
Kidney Institute
KUMC
*Cell Proliferation in Polycystic Kidney Disease: Regulation by B-Raf and Integrin-Linked Kinase*

**February 5** - **Ph.D. Dissertation Defense**
Lynda K. McGinnis
Graduate Student
Department of Molecular & Integrative Physiology
KUMC
*Src-Family Tyrosine Kinases Participate in the Regulation of Mammalian Oocyte Maturation and Zygotic Development*
February 9 - Craig E. Lunte, Ph.D.
Professor
Department of Chemistry
University of Kansas - Lawrence
*Application of Microdialysis Sampling for Pharmacodynamic Studies of Neuroactive Drugs*

February 16 - R. C. Andrew Symons, M.D.
Assistant Professor
Department of Ophthalmology
KUMC
*The Genetics of the Response of the Retinal Vasculature to Hyperoxia*

February 23 - Glen K. Andrews, Ph.D.
Professor
Department of Biochemistry & Molecular Biology
KUMC
*Regulation and Function of Zip4, the Acrodermatitis Entropathica Gene*

February 27 - **Ph.D. Dissertation Defense**
Anisha Gupte
Graduate Student
Department of Molecular & Integrative Physiology
KUMC
*Heat Shock Proteins: Novel Therapeutic Targets Against Insulin Resistance and Type 2 Diabetes*

March

March 2 - Rick T. Dobrowsky, Ph.D.
Professor
Department of Pharmacology & Toxicology
University of Kansas - Lawrence
*Altered Neureglin Signaling Contributes to Diabetic Peripheral Neuropathy*

March 5 - **Ph.D. Dissertation Defense**
Alison Y. Ting
Graduate Student
Department of Molecular & Integrative Physiology
KUMC
*Novel Strategies in Cancer Prevention and Fertility Preservation with Tamoxifen*

March 9 - Alexei Y. Bagrov, M.D., Ph.D.
Investigator and Head of the Hypertension Unit
Laboratory of Cardiovascular Science
National Institute on Aging
Baltimore, MD
*Endogenous Cardiotonic Steroids and Pathogenesis of Hypertension*
**March 16** - Wohaib Hasan, Ph.D.
Research Assistant Professor
Department of Molecular & Integrative Physiology
KUMC
*Cardiac Autonomic Neuroplasticity in Congestive Heart Failure*

**March 23** - Doug Wright, Ph.D.
Associate Professor
Department of Anatomy & Cell Biology
KUMC
*An Anatomist's View of Peripheral Nerve Disease*

**March 30** - Kenneth R. Peterson, Ph.D.
Professor & Vice-Chairman
Department of Biochemistry & Molecular Biology
KUMC
*Transactivation and Repression of Fetal Hemoglobin Expression: A Bimodal Approach to Treat Sickle Cell Disease*

April

**April 6** - Alberto Pereda, Ph.D.
Professor
Dominick P. Purpura Department of Neuroscience
Albert Einstein College of Medicine
Bronx, NY
*Plasticity of Electrical Synapses*

**April 13** -
Argenia Doss
Graduate Student
Department of Molecular & Integrative Physiology
KUMC
*Langerhans Cells: A Possible Player in Diabetes-Induced Peripheral Neuropathy*

Tim Donohue
Graduate Student
Department of Molecular & Integrative Physiology
KUMC
*Disruption of Prejunctional Inhibition in the Autonomic Nervous System: Contribution to Parasympathetic Withdrawal in Heart Failure*

**April 20** -
Sarah Tague
Graduate Student
Department of Molecular & Integrative Physiology
Sometimes It Hurts to be a Woman. Nociceptor Modulation by Vitamin D and Estrogen.

Emily McDonald
Graduate Student
Department of Molecular & Integrative Physiology
KUMC

Adiponectin Regulation of Trophoblast Endocrine Function

April 23 - Ira M. Herman, Ph.D.
Distinguished Professor, Department of Physiology
Director, Center for Innovations in Wound Healing Research
Tufts University School of Medicine
Boston, MA

Pericyte-Endothelial Interactions and Microvascular Remodeling: A Role in Pathological Angiogenesis?

April 27 -
Sara Turk
Graduate Student
Department of Molecular & Integrative Physiology
KUMC

Role of Src Tyrosine Kinase in GnRH Induction of the LH Beta-Subunit Promoter

Aritra Bhattacherjee
Graduate Student
Department of Molecular & Integrative Physiology
KUMC

Estrogen-Induced Nerve Plasticity in the Female Reproductive Tract

May

May 4 -
Brittnany Gorres
Graduate Student
Department of Molecular & Integrative Physiology
KUMC

The Combined Effect of a High Fat Diet and Estrogen Loss on Insulin Resistance

Jill Morris
Graduate Student
Department of Molecular & Integrative Physiology
KUMC

Preclinical Studies of a Link between Parkinson's Disease and Type 2 Diabetes
May 11 - Susan E. Smittkamp, Ph.D.
Research Assistant Professor
Department of Molecular & Integrative Physiology
KUMC
*Preclinical Studies of ALS*

May 18 - Kenneth A. Bradley, Ph.D.
Assistant Professor, Department of Microbiology, Immunology & Molecular Genetics
Director, Molecular Screening & Shared Research
University of California, Los Angeles
*Host-Pathogen Interactions in Anthrax*

May 21 - **Ph.D. Dissertation Defense**
Rachel Williams
Graduate Student
Molecular & Integrative Physiology
KUMC
*HIV-encephalitis: Mechanisms for CXCL10 Induction in Astrocytes*

May 25 - No Seminar - Memorial Day

June

June 1 - **Fred E. Samson, Jr. Memorial Lectureship**
George Perry, Ph.D.
Dean & Professor of Biology
University of Texas, San Antonio
*Mitochondria at the Center of Oxidative Stress in Alzheimer Disease*