Seminar Series: Fall 1996

July

July 11 - Ruth Shalgi, Ph.D.
Department of Embryology
Tel Aviv University, Israel
Activation of the Mammalian Egg

July 16 - Allan D. Forsman, Ph.D.
Division of Biology
Kansas State University
Practical considerations for Conducting Research on the Space Shuttle

July 18 - Leslie L. Heckert, Ph.D.
Department of Pharmacology
Case Western Reserve University
Transcriptional Regulation of the Human α Subunit Gene: Mechanisms Underlying Cell-Specificity and Androgen Regulation

August

August 8 - **Ph.D. Dissertation Defense**
Robert A. Whitman
Molecular & Integrative Physiology
KUMC
Investigation of the Mechanisms Responsible for the Development of Systematic Hypertension in Rats Acclimatized to Hypoxia

August 20 - **Candidate for Faculty Position**
Monica M. Montano, Ph.D.
Department of Molecular & Integrative Physiology
University of Illinois
Anti-estrogen Action and Regulation of Estrogen Receptor Bioactivity

September

September 9 – Norberto C. Gonzalez, M.D.
Molecular & Integrative Physiology
KUMC
Factors Limiting Maximal O2 Uptake After Acclimatization to Hypoxia in Rats

September 16 - Thomas J. Imig, Ph.D.
Molecular & Integrative Physiology
KUMC

Mechanisms of Sound Localization: Single Unit Sensitivity to Monaural Spectral Cues

**September 17** - Jeffrey Bowen, Ph.D.
Department of Veterinary Anatomy and Public Health
College of Veterinary Medicine
Texas A&M University, College Station, Texas
*Development of a Model System to Study the Porcine Implantation Cascade*

**September 23** - Michael Wolfe, Ph.D.
Molecular & Integrative Physiology
KUMC
*Requirements for Transcription of the Luteinizing Hormone Beta-Subunit Gene: Basal and Gonadotropin-Releasing Hormone Regulated Expression*

**September 24** - Gregory Knipp
Department of Pharmaceutical Chemistry
University of Kansas, Lawrence
*Paracellular Diffusion in Caco-2 Cell Monolayers: Effect of Solution Conformation of Model Pentapeptides and Perturbation on their Paracellular Permeability*

**September 30** - Sudhansu K. Dey, Ph.D.
Molecular & Integrative Physiology
KUMC
*Molecular Signaling in Blastocyst Implantation*

**October**

**October 7** – Richard Clancy, Ph.D.
Molecular & Integrative Physiology
KUMC
*Evaluating Diaphragm Shortening*

**October 14** - Lisa Stehno-Bittel, Ph.D.
Department of Physical Therapy Education
KUMC
*Frog Eggs Have Weird G Proteins*

**October 15** - **Faculty Candidate**
Dr. Warren Nothnick
Department of Obstetrics & Gynecology
University of Kentucky
*Tissue Remodeling During Luteal Development and Regression*

**October 21** - Vincent Gattone, Ph.D.
Department of Anatomy and Cell Biology
KUMC

*Extracellular Matrix in Polycystic Kidney Disease*

**October 22** - Jeremy Chien  
Dr. Girish Shah's Laboratory Group  
Molecular & Integrative Physiology  
KUMC  
*Role of cAMP-Dependent Pathway in the Proliferation of Prostate Cancer Cells*

**October 28** - Girish V. Shah, Ph.D.  
Molecular & Integrative Physiology  
KUMC  
*Neuroendocrine Factors in Proliferation of Prostate Cancer Cells*


**November**

**November 4** - Stuart Handwerger, M.D.  
Department of Pediatrics  
University of Cincinnati  
Director, Division of Endocrinology  
Children's Hospital, Cincinnati  
*Novel Regulation of Human Placental Lactogen Gene Expression*

**November 11** - Joseph S. Tash, Ph.D.  
Molecular & Integrative Physiology  
KUMC  
*New Methods for Analysis of Motility-Related Signal Transduction in Spermatozoa: Identification of Targets*

**November 18** - Merrill Tarr, Ph.D.  
Molecular & Integrative Physiology  
KUMC  
*Nonvoltage-Gated Calcium Channels*

**November 25** - Peter G. Smith, Ph.D.  
Department of Physiology  
KUMC  
*Remodeling of the Parasympathetic Nervous System*

**November 26** - Dr. Heide Schatten  
Biological Sciences  
University of Missouri - Columbia  
*Cytoskeletal Organization & Function During First Reproduction Cell Cycle in Sea Urchin and Mice*


December
December 2 - Puliyer S. Mohankumar, Ph.D.
Department of Anatomy and Physiology
Kansas State University
Prolactin, Hypothalamic Dopamine and Aging

December 9 - Deborah Kipp, Ph.D., R.D.
Department of Dietetics and Nutrition
KUMC
Hyperprolactinemia and Bone Remodeling in the Rat

December 10 - Lance Miller, Ph.D.
Pathology & Laboratory Medicine
KUMC
Progesterone Modulate IkBa & TNF-α mRNA Expression in LPS Activated Macrophages

December 16 - Timothy A. Jones, Ph.D.
Departments of Surgery and Physiology
University of Missouri, Columbia
Origins of and Adequate Stimulus for Vestibular Responses to Linear Translations