January 2  
No Seminar

January 9  
Kee Jun Kim, PhD  
Assistant Professor  
Microbiology  
KUMC  
*Modulation of the Blood-Brain Barrier by cocaine and microbes*

January 16  
No Seminar - Martin Luther King, Jr. Day

January 23  
Mark Chertoff, Ph.D.  
Associate Professor  
Hearing and Speech  
KUMC  
*Developing a Clinical Tool to Quantify the Underlying Cochlear Damage that causes Hearing Loss: Bench to.....*

January 30  
Guangbo Chen  
Graduate Student  
Molecular & Integrative Physiology  
KUMC  
*Adaptive Chromosomal Instability – Hsp90 Stress Potentiates Rapid Cellular Adaptation through Induction of Aneuploidy*

February 6  
Huan Yang  
Graduate Student  
Molecular & Integrative Physiology  
KUMC  
*The RDE-10/RDE-11 complex triggers RNAi induced mRNA degradation by association with target mRNA in C. elegans*
February 13
Ram Kannan
Graduate Student
Molecular & Integrative Physiology
KUMC
*Multiple RNA elements promote spliceosomal cleavage of telomerase RNA*

February 20
Wen Tang
Graduate Student
Molecular & Integrative Physiology
KUMC
*Fission yeast telomerase RNA biogenesis requires sequential binding of Sm and Lsm complexes*

February 27
Phil Lee, Ph.D.
Assistant Professor
Molecular & Integrative Physiology
KUMC
*In vivo assessment of neuronal integrity in animal models of neurodegenerative diseases*

March 5
John Stanford, Ph.D.
Associate Professor
Molecular & Integrative Physiology
KUMC
*Translatable Measures of Motor Function in Preclinical Models of Aging and Parkinson's Disease*

March 12
Carol C. Linder, Ph.D.
Associate Professor
Department of Biology
New Mexico Highlands University
Las Vegas, NM
*Golga3, a protein essential for spermatogenesis*
March 19

Andrei B. Belousov, Ph.D.
Associate Professor
Molecular & Integrative Physiology
KUMC

*Novel mechanism of glutamate-dependent neuronal death*

March 26

**Kathleen M. Osborn Memorial Lectureship**

P. Jeremy Wang, MD, PhD
Associate Professor, Department of Animal Biology
Director, Center for Animal Transgenesis & Germ Cell Research
School of Veterinary Medicine
University of Pennsylvania
Philadelphia, PA

*Genome Defense and Meiotic Recombination*

April 2

Kenneth McCarson, Ph.D.
Co-Director of Biobehavioral Measurement Core (BMC)
Director of R.L. Smith IDDRC Rodent Behavior Facility
Kansas Intellectual & Developmental Disabilities Research Center
Associate Professor, Pharmacology, Toxicology & Therapeutics
KUMC

*Can a Rat Tell You She Has a Headache? There's More to Pain than Molecular Signaling*

April 9

Peter Baumann, Ph.D.
Associate Investigator
Stowers Institute for Medical Research
Kansas City, MO

*Meiosis in parthenogenetic lizards*

April 16

Julie A. Christianson, Ph.D.
Assistant Professor
Anatomy & Cell Biology
KUMC

*The painful consequences of early adverse events*
April 23

Paula E. Cohen, Ph.D.
Associate Professor, Genetics
Director, Center for Reproductive Genomics
Department of Biomedical Sciences
Cornell University
Ithaca, NY
*Investigating meiotic recombination pathways in the mouse*

April 30

**Voyages Lecture Series**
Kurt E. Ebner, Ph.D,
Professor Emeritus
Biochemistry & Molecular Biology
KUMC
Reflections from the barn to the bench

May 7

Ann Manzardo, Ph.D.
Assistant Professor
Psychiatry and Behavioral Sciences
KUMC
*The Effect of Benfotiamine Treatment in Alcohol Dependence*

May 14

12:00 p.m., 1001-1003 Beller
Ayman Al-Hendy, MD, PhD, FRCSC, FSOGC, FACOG
Professor & Vice Chair
Department of Obstetrics and Gynecology
Scientific Director
Center for Women’s Health Research
Meharry Medical College
Nashville, TN
*Medical Treatment of Uterine Fibroids*
May 21

Heng Du, MD, PhD
Assistant Research Professor
Higuchi Bioscience Research Center
University of Kansas
Lawrence, KS
*Synaptic mitochondrial dysfunction and neurodegeneration*

May 28

No Seminar - Memorial Day

June 12

**Ph.D. Dissertation Defense - 11:00 a.m., G013 School of Nursing**
Carrie M. Quinn, MS
Graduate Student
Department of Molecular & Integrative Physiology
KUMC
*Exercise-Induced Organ Protection during Cardiac Arrest*