**September**

September 3 –
Master’s Thesis Defense, 10:00 a.m. Hemenway 2099
Kayla Raider
Graduate Student
Molecular & Integrative Physiology
KUMC
*Effects of a high fat diet on brain metabolism in rats: An in vivo 1H-MRS study*

September 8 -
Lori Raetzman, PhD
Associate Professor
Molecular & Integrative Physiology
University of Illinois at Urbana Champaign
Urbana, IL
*Pituitary Gland Development: Kickin’ it up a Notch*
Funded by Abrahams J. Hambleton Lectureship in Physiology Endowment Fund
Hosted by The Physiology Society, Department of Molecular & Integrative Physiology, KUMC

September 15 -
Jingsong Zhou, PhD
Professor of Physiology
Kansas City University of Medicine and Biosciences
Kansas City, MO
*Mitochondria, Ca Signaling and Neuromuscular Disease*

September 22 –
Frank Kruse, MS
Vice President
KU Biosciences & Technology Business Center
Kansas City, KS
*BTBC and the Entrepreneurial Ecosystem*

September 29 –
John P. Thyfault, PhD, FACSM
Associate Professor of Nutrition and Exercise Physiology
Department of Medicine – Division of Gastroenterology and Hepatology
University of Missouri – Harry S. Truman VA Hospital – Research Service
Columbia, MO
*Hepatic Mitochondrial “Fitness” and Protection against Fatty Liver Disease*
October

October 6 –
In-Young Choi, PhD
Associate Professor
Hoglund Brain Imaging Center
KUMC
*What Can In Vivo NMR Measurement of Neurochemical Profiles Tell Us About Metabolic Disorders?*

October 13 –
Lei Pei
Graduate Student
Molecular & Integrative Physiology
KUMC
*Roles of Claudin-2 in Paracellular Transport in Renal Proximal Tubules*

October 20 -
Nash N. Boutros, MD
Professor and Chair
Department of Psychiatry
University of Missouri-Kansas City
Kansas City, MO
*Epilepsy Spectrum Disorders*

October 27 –
Archana Raman
Graduate Student
Molecular & Integrative Physiology
KUMC
*Role of Integrin-Linked Kinase in Polycystic Kidney Disease*

November

November 3 –
John (JP) McGinnis
Graduate Student
Molecular & Integrative Physiology
KUMC
*Neuronal basis of energy perception and long-term memory*
November 10 –
Rodney D. Newberry, MD
Associate Professor
Division of Gastroenterology
Washington University
St. Louis, MO
New Roles for Goblet Cells in Intestinal Immunity
Hosted by Shahid Umar, PhD; Department of Molecular & Integrative Physiology, KUMC
Funded by Abrahams J. Hambleton Lectureship in Physiology Endowment Fund

November 17 –
Wei-Ting Hung
Graduate Student
Molecular & Integrative Physiology
KUMC
Extracellular vesicles in ovarian antral follicle: characterization and function

November 24 –
Kathleen M. Osborn Memorial Lectureship
Miles Wilkinson, PhD
Professor
Department of Reproductive Medicine
University of California, San Diego
San Diego, CA
An ancient gene paralog pair that serves as a molecular rheostat
Hosted by Leslie Heckert, PhD; Marion M. Osborn Professor for Reproductive Studies, Department of Molecular & Integrative Physiology, KUMC
Funded by Kathleen M. Osborn Memorial Lectureship in Physiology Endowment Fund

December

December 1 –
Amy Cantilena
Graduate Student
Molecular & Integrative Physiology
KUMC
Endoglin in mesenchymal stem cells using the context of cardiovascular disease: A study of regenerative and immunologic consequences
December 8 –
Francisco Gonzalez-Lima, PhD
Professor (George I. Sanchez Centennial Professorship)
Department of Psychology
The University of Texas at Austin
Austin, TX

*Mitochondrial respiration as a target for neuroprotection and cognitive enhancement*
Hosted by Russell Swerdlow, MD; (Gene and Marge Sweeney Professor of Neurology),
Department of Alzheimer’s Disease Center, KUMC
Co-sponsored with ADC (Alzheimer’s Disease Center)
Funded by Abrahams J. Hambleton Lectureship in Physiology Endowment Fund

December 15–
Diane M. Duffy, PhD
Professor and Vice Chair (Research)
Department of Physiological Sciences
Eastern Virginia Medical School
Norfolk, VA

*Prostaglandin E2 and local control of ovulation*
Hosted by Lane Christenson PhD, Department of Molecular & Integrative Physiology, KUMC
Funded by Abrahams J. Hambleton Lectureship in Physiology Endowment Fund