

Course Directors:
Dr. Paul S. Brookes
Dr. Yisang Yoon

GRADUATE PROGRAMS IN PHARMACOLOGY AND PHYSIOLOGY

CO-SPONSORED BY CELLULAR AND MOLECULAR BASIS OF MEDICINE CLUSTER

Fall Colloquium 2005

- August 11 **Scott J. Cameron, Ph.D.**, Department of Pathology, Division of Clinical Chemistry, and the Division of Cardiology, Johns Hopkins Medical Institutes
"Why Good Cholesterol Should Be Called Super Good Cholesterol"
- September 15 **Brooke M. Krovic**, Graduate Student in the Laboratory of Dr. Keigi Fujiwara
(Literature Review)
"Visualizing the Mechanical Activation of Src."
- September 22 **Alon Mantel**, CMM Graduate Student
"The P53 Inhibitor Pifithrin- α is a Potent Agonist of the Aryl Hydrocarbon Receptor"
Axel L. Dessal, Graduate Student in the Laboratories of Drs. Harry A. Stern and Alan V. Smrcka
"G β γ -PLC β 2 Docking"
(Literature Reviews)
- September 29 **Allison M. Gaudy**, Graduate Student in the Laboratory of Dr. Robert A. Mooney
"Stearoyl-CoA Desaturase1 Deficiency Increases Fatty Acid Oxidation by Activating AMP-activated Protein Kinase in Liver"
Xin Lu, Graduate Student in the Laboratories of Drs. Michael Zuscik and Regis O'Keefe
"Transcriptional Modulation in Mesenchymal Stem Cell Differentiation"
(Literature Reviews)
- October 6 **Keigan M. Park**, Graduate Student in the Laboratories of Drs. William Bowers and David I. Yule
"Calcium Dysregulation in Familial Alzheimer's Disease."
David F. Meoli, Graduate Student in the Laboratory of Dr. R. James White
"Plasmin-induced Migration Requires Signaling Through Protease-activated Receptor 1 and Integrin Alpha(9)Beta(1)"
- October 27 **Dilip Rao**, Graduate Student in the Laboratory of Dr. Berislav Zlokovic
"P-glycoprotein Deficiency at the Blood-brain Barrier Increases Amyloid-beta Deposition in an Alzheimer's Disease Mouse Model"
(Literature Review)
- November 3 **Julien A. Sebag**, Graduate Student in the Laboratory of Dr. Patricia M. Hinkle
"Melanocortin-4 Receptor (MC4R) Signaling Pathways and their Regulation by Glucocorticoids and Thyroid Hormones"
(Qualifying Exam)

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- November 11 **Chun Chen**, Graduate Student in the Laboratory of Dr. Bradford C. Berk
“*Synectin Mediates Flow-induced Vascular Remodeling*”
(Qualifying Exam)
- November 15 **Matthew J. Betzenhauser**, Graduate Student in the Laboratory of Dr. David I. Yule
“*Subtype-specific Regulation of Inositol 1,4,5-trisphosphate Receptor Isoforms by camp-dependent Protein Kinase A*”
(Qualifying Exam)
- November 17 **Li Wang**, Graduate Student in the Laboratory of Dr. Mark B. Taubman
“*Role of Circulating Forms of Tissue Factor in Regulating Vascular Function and Thrombosis*”
(Qualifying Exam)
- November 29 **Tabetha M. Bonacci**, Graduate Student in the Laboratory of Dr. Alan V. Smrcka
“*Molecular Mechanisms Defining G-protein $\beta\gamma$ Subunit Recognition and Regulation of Target Molecules: Potential of $G\beta\gamma$ as a Pharmacological Target*”
(Thesis Defense)
- November 29 **Marlene T. Mathews**, Graduate Student in the Laboratory of Dr. Bradford C. Berk
“*PARP-1 and Endothelial Dysfunction*”
(Qualifying Exam)
- December 1 **Jennifer L. Mathews**, Graduate Student in the Laboratory of Dr. Jean M. Bidlack
“*Utilizing Novel Ligands to Attenuate Acute Morphine Tolerance In Vivo: Experimental Tools and Clinical Relevance.*”
- December 8 **Brian W. Jones**, Graduate Student in the Laboratory of Dr. Patricia M. Hinkle
“*Phosphorylation of the Gq-coupled Thyrotropin-releasing Hormone Receptor*”
- December 13 **Qinlei Zheng**, Graduate Student in the Laboratory of Dr. Bradford C. Berk
“*Regulation of Big Mitogen Activated Protein Kinase 1 (BMK1/ERK5) Signal Transduction*”
(Thesis Defense)
- December 15 **Emily A. Oestreich**, Graduate Student in the Laboratory of Dr. Alan V. Smrcka
“*Phospholipase C Epsilon: Why it should be close to your heart*”