

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

Spring/Summer Colloquium 2006

- January 12 **Ann E. Rossi**, Graduate Student in the Laboratory of Dr. Robert T. Dirksen
“Developmental Regulation of Mitochondrial Triad Targeting in Skeletal Muscle”
- January 19 **Sanjeewa A. Goonasekera**, Graduate Student in the Laboratory of
Dr. Robert T. Dirksen
“Characterizing a Knock-in Mouse Model of Malignant Hyperthermia”
- January 26 **Axel L. Dessal**, Graduate Student in the Laboratories of Drs. Harry A. Stern and Alan
V. Smrcka
“Extrapolating the Findings on G-beta to other WD40-repeat Proteins”
- February 9 **Pinwei Huang**, Graduate Student in the Laboratory of Dr. Yisang Yoon
“Molecular Interaction of Mitofusin 2 and its Role in Mitochondrial Fusion”
(Thesis Proposal)
- February 16 **Keigan M. Park**, Graduate Student in the Laboratories of Drs. William Bowers and
David I. Yule
“Examining the Effects of TNF- α on Calcium Homeostasis in Alzheimer’s Disease”
- February 23 **Camelia N. Mihaila**, Graduate Student in the Laboratory of Dr. Margot Mayer-
Proschel
“Iron Deficiency and Glial Precursor Cell Biology: Where is the Connection?”
- March 2 **Dilip Rao**, Graduate Student in the Laboratory of Dr. Berislav Zlokovic
*“Quantitative Estimation of Cerebral Protein Synthesis – An Approach to Fill in Gaps
in Understanding Alzheimer’s Disease”*
- March 14 **David J. Lomb**, Graduate Student in the Laboratory of Dr. Robert S. Freeman
*“Protecting Sympathetic Neurons from Growth Factor Deprivation: Prolyl
Hydroxylase and Sirtuin Inhibitors.”*
- March 16 **Xin Lu**, Graduate Student in the Laboratories of Drs. Michael Zuscik and Regis
O’Keefe
“Chondrogenesis in the Process of Fracture Healing”
- March 23 **Christopher M. Tipton**, Graduate Student in the Laboratory of Dr. Jean M. Bidlack
*“Regulation of the Kappa Opioid Receptor and its Function on
Monocytes/Marophages”*

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- March 30 **Lu Xu**, Graduate Student in the Laboratory of Dr. A. William Tank
“Translational Regulation of Tyrosine Hydroxylase (TH) Expression”
- April 6 **Jennifer R. Hom**, Graduate Student in the Laboratory of Dr. Shey-Shing Sheu
“Regulation of Mitochondrial Morphology by Intracellular Calcium”
- April 18 **David F. Meoli**, Graduate Student in the Laboratory of Dr. R. James White
“PAR-1 Activation Induces Fibronectin Dependent Migration of Pulmonary Microvascular Endothelial Cells”
- April 20 **Hui Zhang**, Graduate Student in the Laboratory of Dr. Srisaila Basavappa
“Anion Secretion Alternations in Inflamed Ileum”
- April 25 **David J. Nagel**, Graduate Student in the Laboratory of Dr. Chen Yan
“Role of PDE1A in the Phenotypic Modification and Growth of Vascular Smooth Muscle Cells”
(Thesis Proposal)
- April 27 **Matthew C. Schoell**, Graduate Student in the Laboratory of Dr. Robert S. Freeman
“The Regulation of EGLN3 Ubiquitination by the von Hippel-Lindau Tumor Suppressor ”
- May 4 **Ningzhe Zhang**, Graduate Student in the Laboratory of Dr. Mark Noble
“The Study of Astrocyte Differentiation from Glial Precursor Cells”
- May 9 **Yuntao Duan**, Graduate Student in the Laboratory of Dr. Shey-Shing Sheu
“Ca²⁺ -dependent Mitochondrial ROS Generation Serve as a Signal for PARP-1 Activation During Glutamate Excitotoxicity”
- May 11 **Allison M. Gaudy**, Graduate Student in the Laboratory of Dr. Robert A. Mooney
“The Role of SOC-3 in Hepatic Regulation of Metabolism”
- May 18 **Brooke M. Krovic**, Graduate Student in the Laboratory of Dr. Keigi Fujiwara
“PECAM-1 and Mechanotransduction in Vascular Endothelial Cells”
- May 23 **Ruolan Han**, Graduate Student in the Laboratory of Dr. Mark Noble
“Effects of Chemotherapy on the CNS”
- May 25 **Alon Mantel**, Graduate Student in the Laboratory of Dr. Denise C. Hocking
“Effects of Extracellular Fibronectin on Cell Function”
- June 1 **Maxim Khimich**, Graduate Student in the Laboratory of Dr. Jean M. Bidlack
“Kappa Opioid Receptor Affects Thymocyte Development Through Stage – Specific Regulation of Interleukin-7 Receptor Expression”
- June 8 **David A. Brown**, Graduate Student in the Laboratory of Dr. David I. Yule
“Protein Kinase Regulation of Purinergic Signaling: Direct or Indirect?”

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- June 22 **Andrew P. Wojtovich**, Graduate Student (Rotation from the Laboratory of Dr. Paul S. Brookes)
“Complex II Regulation by Malonate Formation: A Potential Mechanism of Cardioprotection”
Xi Li, Graduate Student (Rotation from the Laboratory of Dr. “TBA”)
“The Regulation of Chemokines Expression in T Cells”
- June 29 **Yi Liu**, Graduate Student (Rotation from the Laboratories of Drs. Mark Noble and Chris Proschel)
“Fyn Regulates the Differentiation of Oligodendrocyte”
Irina Statnikova, Graduate Student (Rotation from the Laboratory of Dr. Jonathan W. Mink)
“Kinematic Analysis of Cerebellar Inactivation with GABA Agonist”
- July 6 **Brett M. Stevens**, Graduate Student (Rotation from the Laboratory of Dr. Craig Jordan)
“Profiling Leukemia Initiating Cells in Adult Lymphoblastic Leukemia”
Qiong Wang, Graduate Student (Rotation from the Laboratory of Dr. Dirk Bohmann)
“MMP1 and FOXO Signaling Pathway in a Drosophila Tumor Model”
- July 13 **Maya Desai**, Graduate Student (Rotation from the Laboratory of Dr. William J. Bowers)
“Inflammation and Alzheimer’s Disease: Role of MCP-1”
Ryan E. Loy, Graduate Student (Rotation from the Laboratory of Dr. Robert T. Dirksen)
“Effect of EPAC Activation on Calcium Release During Excitation-Contraction Coupling in Skeletal Myotubes”
Donald Beqollari, Graduate Student (Rotation from the Laboratory of Dr. Eileen Redmond)
“Effects of Cyclic Strain on $\alpha_v\beta_3$ Integrin Receptor”
- July 20 **Clint L. Miller**, Graduate Student (Rotation from the Laboratory of Dr. Chen Yan)
“Role of PDE1A in Regulating Cardiac Function Disease”
Diana Metz-Estrella, Graduate Student (Rotation from the Laboratory of Dr. J. Edward Puzas)
“Role of TRIP-1 in Bone Remodeling”
Nir Maymon, Graduate Student (Rotation from the Laboratory of Dr. Patricia M. Hinkle)
“Low Affinity Analogs of Thyrotropin-releasing Hormone Are Super-agonists”