The 5th Annual Meeting of the Gulf Coast Physiological Society

April 17 & 18, 2009

New Orleans, Louisiana
Friday, April 17, 2009

11:00am  Registration -

1:00pm  Welcome and Introduction of the Keynote speaker: Matthew Grisham, PhD
President
Gulf Coast Physiological Society

1:10pm  **Keynote Address:** Dr. Mark Gladwin, Professor, University of Pittsburgh
School of Medicine
“Haldane, Hot Dogs and Halitosis: the Emerging Biology of the Nitrite Anion
in Cardiovascular Physiology”

1:55pm  Questions

**Afternoon Session –**
**Moderators:** Norman Harris, PhD, LSU Health Sciences Center-Shreveport
and Patricia Molina, MD, PhD., LSU Health Sciences Center-New Orleans

2:15pm  **Invited Speaker:** Jerome W. Breslin, PhD., LSUHSC-New Orleans, “Rho
Family GTPases and the Microvascular Barrier”

2:45pm  **Selected abstract:** Serena Li-Su Yan; LSUHSC-Shreveport; “Role of EGF-
generated ROS in Regulating Cell Surface PDGFRα: Cross-Talk Between
EGF and PDGF Signaling Pathway”

3:00pm  **Selected abstract:** Sungmi Park; LSUHSC-New Orleans; “Critical Switch
to Chymase Dependent ANGII Formation
in Diabetic Renal Vascular Disease”

3:15pm  **Selected abstract:** Fridrik Karlsson; LSUHSC-Shreveport; “Reversal of
Established Colitis by Adoptive Transfer of Ex Vivo-Generated Regulatory
T-Cells”.

3:30pm  **Selected abstract:** Sydney Murphy: Univ. Mississippi Medical Center;
“Placental Angiotensin II (ANGII) and Soluble FMS-LIKE Tyrosine-1 (SFLT-
1) Production Increase in Response to Reductions in Uterine Perfusion
Pressure”.

3:45pm  Questions/Break

4:00pm  **Invited Speaker:** Khalid Matrougui, PhD., Tulane University School of
Medicine, “Type 2 diabetes and microvascular dysfunction: Role of EGFR
tyrosine kinase and advanced glycation end products”

4:30pm  Announcements/Business Issues
Saturday, April 18, 2009

8:00-10:00am Continental breakfast and **Poster Viewing**

**Morning Session –**

**Moderators:** Mary Townsley, PhD. Univ South Alabama College of Medicine and Steve Alexander, PhD, LSU Health Sciences Center-Shreveport

10:00am **Invited Speaker:** Michael J. Ryan, PhD., University of Mississippi Medical Center, “PPARgamma as a therapeutic target for hypertension and renal disease in Systemic Lupus Erythematosus”

10:30am **Selected abstract:** Magdalena Circu, PhD; LSUHSC-Shreveport; “Pyridine Nucleotide Status and NAD(P)-Linked Enzyme Activities during Oxidative Challenge and Glucose Deprivation: Implication for Mitochondrial Function and Reducing Capacity”

10:45am **Selected abstract:** Robert Siggins, PhD; LSUHSC-New Orleans; SCA-1 Expression Level Determines Specific Myeloid Transcription Factor Programs in Hematopoietic Precursor Cells following Bacteremia

11:00am **Selected abstract:** Annie Whitaker; LSUHSC-New Orleans; “Sympathetic Modulation of the Host Defense Response to Infectious Challenge During Recovery from Hemorrhage”

11:15am **Selected abstract:** Caroline Raasch; LSUHSC-New Orleans; “Alcohol Intoxication Impairs the Lin-c-Kit Sca-1 Cell Responses to Pneumococcal Pneumonia”

11:30am **Invited Speaker:** Mark Taylor, PhD., University of South Alabama College of Medicine, “New insights in vascular myoendothelial signaling”

12:00am Closing