

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 PDGFR α : 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
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