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## FOCUS ON: DIABETES, DYSLIPIDEMIA, AND ATHEROSCLEROSIS

Conference Chair: Marshall B. Elam, University of Tennessee, Memphis

Vice Chair: Nancy R. Web, University of Kentucky, Lexington

### 2009 Program Schedule

#### Thursday, September 24, 2009

7:00 PM: Arrival and Registration

#### Friday, September 25, 2009

7:00 – 7:50 AM – Registration and Breakfast

7:50 – 8:00 AM - Marshall Elam PhD MD, University of Tennessee HSC

#### Session 1: HDL Biogenesis and Metabolism

Moderator: Mike Phillips MD, University of Pennsylvania School of Medicine

8:00 – 8:30 AM – Mike Phillips MD, Children's Hospital of Philadelphia, Pennsylvania  
*"ABCA1-mediated efflux of cellular lipids and formation of nascent HDL particles"*

8:30 – 9:00 AM – John Parks PhD, Wake Forest University School of Medicine  
*Enhanced reverse cholesterol transport via disruptive HDL therapy"*

9:00 – 9:30 AM – Henry Pownall PhD, Baylor College of Medicine  
*"Enhanced Reverse Cholesterol Transport via disruptive HDL therapy"*

9:30 – 9:45 AM - Marcielle de Beer PhD, University of Kentucky College of Medicine  
*"Cholesterol efflux during the acute phase response"*

9:45 – 10:00 AM- Anisa Jahangiri PhD, University of Kentucky College of Medicine  
*"HDL remodeling during inflammation"*

10:00 AM – 10:30 AM - **BREAK**

## Friday September 25, 2009 (continued)

### Session 2: Macrophage Function in Metabolism

Moderator: Alyssa Hasty PhD (Vanderbilt University)

10:30 – 11:00 AM : Preetha Shridas PhD, University of Kentucky

*“Group X secretory phospholipase negatively modulates ABCA1 and ABCG1 expression and enhances inflammatory response in macrophages”*

11:00 - 11:30 AM: Liza Makowski, Duke University

*“Manipulating Fuel Metabolism with Carnitine Alters Macrophage inflammatory Potential”*

11:30 – 12:00 PM : Norbert Leitinger MD, University of Virginia

*“ TBA ”*

12:00 – 12:15 PM: Mike Puglisi, Vanderbilt University

*“Deficiency of Toll-Like Receptor 4 and its Effects on inflammation in Adipose Tissue in response to Diets Rich in Saturated or Monounsaturated Fatty Acids”*

12:15 – 12:30 PM: Yanice Mendez-Fernandez, Vanderbilt University

*“The role of TREM expression on macrophages in atherosclerosis”*

12:30 – 3:30 PM – **BREAK**

3:30 – 5:00 PM **POSTER SESSION AND COMPETITION**

5:00 - 6:30 PM **POSTER SESSION RECEPTION “LITE BITES”**

6:30 – 7:30 PM **W. VIRGIL BROWN KEYNOTE ADDRESS:**

**Henry Ginsberg MD (Columbia University)**

**“Complex Regulation of VLDL Assembly and Secretion:  
Implications for Triglyceride Lowering Therapy”**

## Saturday September 26, 2009

7:00-8:00 AM – Breakfast

### Session 3: Bioactive Lipids

Moderator: W. Scott Argraves PhD (Medical University of South Carolina)

8:00 – 8:30 AM – Scott Argraves PhD, Medical University of South Carolina

*TBA*

8:30 – 9:00 AM – Menq-Jer Lee PhD, University of Louisville

*“The Yin-Yang regulation of vascular function by sphingosine-1-phosphate signaling”*

9:00 – 9:30 AM – Chiara Luberto PhD, Medical University of South Carolina  
*TBA*

9:30 – 10:00 AM - Erhard Bieberich PhD, Medical College of Georgia  
*TBA*

10:00 AM – 10:30 AM - **BREAK**

**Session 4: Role of TG-Rich Lipoproteins in Atherosclerotic CV Disease**

Moderator: Peter Wilson MD (Emory)

10:30 – 11:00 AM – Peter Wilson MD, Emory University  
*“Role of TG-Rich Lipoproteins In Atherosclerotic Cardiovascular Disease”*

11:00 - 11:30 AM – Henry Ginsberg MD, Columbia University  
*“Insulin Resistance, FFA, and Triglycerides”*

11:30 – 12:00 PM – Maria Lopes-Virella MD PhD, Medical University of South Carolina  
*“Lipid Particles, Autoantibodies and Atherosclerosis”*

12:00 – 12:30 PM - Nhoc-Anh Le PhD, Emory University  
*“Fatty Meals and Lipid Oxidation”*

12:30 – 3:30 PM - **BREAK**

**Session 5: Dysregulation of Lipid Metabolism in Obesity**

Moderator: Elizabeth J. Parks PhD (UT Southwestern)

3:30 – 4:00 PM - Elizabeth Parks PhD, UT-Southwestern  
*TBA*

4:00 – 4:30 PM – Charles Mansbach MD, University of Tennessee Health Sciences Center,  
*TBA*

4:30 – 5:00 PM – Ling Li, DVM PhD, University of Alabama-Birmingham  
*“Role of Diet-Induced Insulin Resistance in Alzheimer’s Disease: Insights from Animal Studies”*

5:00 -5:30 PM – Erik Eckhardt PhD, University of Kentucky  
*TBA*

5:30 – 7:00 PM Reception with “Lite Bites”

**Sunday, September 27, 2009**

7:00 – 8:00 AM – Breakfast

**Session 6: Pathogenesis of Insulin Resistance in Obesity and Diabetes**

Moderator: Phillip Kern MD (UKY)

8:00 – 8:30 AM Phillip Kern MD, University of Kentucky  
*“Adipose Tissue Inflammation and Insulin Resistance”*

8:30 – 9:00 AM G. Timothy Garvey MD , University of Alabama-Birmingham  
*“Adiponectin and Metabolic Syndrome”*

9:00 – 9:30 AM – Charlotte A Peterson, Ph.D., University of Kentucky  
*“Muscle Inflammation and Insulin Resistance: Does Pain Result in Gain?”*

9:30 – 10:00 AM - Tina E. Brinkley Ph.D., Wake Forest University  
*“Adipose and Skeletal Muscle Inflammatory Mediators: Association with Physical Function in Older Persons”*

10:00 AM – 10:30 AM - **BREAK**

**Session 7: Molecular Mechanisms of Dyslipidemia in Obesity and Diabetes**

Moderator: Edwards Park PhD (University of Tennessee HSC)

10:30 – 11:00 AM – Edwards Park PhD, University of Tennessee Health Sciences Center

11:00 - 11:30 AM – TBA

11:30 – 12:00 PM – TBA

12:00 - 12:30 PM - (or two 15' short talks)

**12:30 PM: Closing Comments and Adjournment**

(Marshall Elam PhD MD, Nancy Webb PhD)