

2012 SOUTH EAST LIPID RESEARCH CONFERENCE

September 27-29, 2012

PROGRAM SCHEDULE

WEDNESDAY, September 26

7:00-8:00 PM ARRIVAL AND EARLY REGISTRATION

THURSDAY, September 27

7:00-7:50 AM REGISTRATION AND CONTINENTAL BREAKFAST

7:50-8:00 WELCOME
Alyssa Hasty, PhD, Program Chair, Vanderbilt University

SESSION 1: "Hepatic Steatosis"

Session Chair: Tim Osborne, Sanford Burnham Medical Research Institute

8:00-8:30 "Insulin-Independent Regulation of Sterol Regulatory Element Binding Protein (SREBP)-1c"
Sudha Biddinger, Children's Hospital of Boston

8:30-9:00 "Molecular Mediators of Hepatic Steatosis"
Young-Ah Moon, UT Southwestern

9:00-9:30 "Innate immunity and alcoholic liver disease"
Laura Nagy, Cleveland Clinic Foundation

9:30-10:00 "Role of CD8+ T lymphocytes in nonalcoholic steatohepatitis"
Arion Kennedy, Vanderbilt University

10:00-10:30 BREAK

SESSION 2: "Lipids and Immune Function"

Session Chair: Amy Major, Vanderbilt University

10:30-10:45 "Introduction: Lipids and Immunity"
Amy Major, Vanderbilt University

10:45-11:15 "Functional Implications of CD36 Overexpression in a Murine Model of Autoimmune Diabetes"
Daniel Moore, Vanderbilt University

11:15-11:45 "More inflammation, more atherosclerosis? A paradoxical story"
Daping Fan, University of South Carolina School of Medicine

11:45-12:00 “Sphingosine-1-phosphate signaling exacerbates atherosclerosis and autoimmunity in diet-fed LDLr^{-/-}, apoA-I^{-/-} mice”
Kristina Brzoza-Lewis, Wake Forest University

12:00-12:30 “HDL as a therapeutic target in Lupus”
Janusz Kabarowski, University of Alabama Birmingham

12:30-3:30 PM LUNCH ON YOUR OWN

3:30 – 5:00 **EDUCATIONAL SESSION: Transitioning to the Next Position – “Setting yourself apart from the pack”**

Moderator: Alyssa Hasty, PhD, Vanderbilt University (graduate students)

Panelists: Amy Major, Lisa Tannock, Alan Daugherty,

Moderator: John Parks, PhD, Wake Forest University (postdocs)

Panelists: Kasey Vickers, Liza Makowski, Zsuzsanna Kuklennyik

- Informal panel discussion regarding the application and interview process for post-doctoral and/or faculty positions.

5:30-7:30 **POSTER SESSION FOR GRADUATE STUDENTS AND RECEPTION**

8:00-9:15 **W. VIRGIL BROWN KEYNOTE LECTURE**

“The complex roles of the renin angiotensin system in the development of multiple vascular pathologies”

Alan Daugherty, PhD

Gill Foundation Chair, Preventive Cardiology
Director, Saha Cardiovascular Research Center
University of Kentucky

9:15 PM ADJOURN

FRIDAY, September 28

7:00 – 8:00 AM CONTINENTAL BREAKFAST

SESSION 3: “Lipid Oxidation and Chronic Disease”

Session Chair: Liza Makowski, UNC Chapel Hill

- 8:00-8:30 “The manipulation of macrophage metabolism alters inflammatory status”
Amy Johnson, University of North Carolina, Chapel Hill
- 8:30-9:00 “Exploring the role of peroxisomal lipid metabolism in insulin resistance”
Rob Noland, Pennington
- 9:00-9:30 “Lipids, T cells, and atherosclerosis”
Mary Sorci-Thomas, Wake Forest University
- 9:30-10:00 “Translational characterization of cytochrome P450-mediated eicosanoid metabolism in cardiometabolic disease”
Craig Lee, UNC-Chapel Hill

10:00 – 10:30 BREAK

SESSION 4: “Macrophage Lipid Mobilization: Mechanisms and Consequences”

Session Chair: Shobha Ghosh, Virginia Commonwealth University

- 10:30-10:45 Introduction
Shobha Ghosh, Virginia Commonwealth University
- 10:45-11:15 “Carboxylesterase: A multifunctional enzyme involved in xenobiotic and lipid metabolism”
Matthew Ross, Mississippi State University
- 11:15-11:45 “The G5G8 sterol transporter in reverse cholesterol transport and metabolic disease”
Gregory Graf, University of Kentucky (tentative)
- 11:45-12:15 “Inflammatory status of macrophages: regulation by cholesterol efflux
Geeta Datta, University of Alabama
- 12:15-12:30 Conclusions
Shobha Ghosh, Virginia Commonwealth University
- 12:30 – 3:30 LUNCH ON YOUR OWN and FREE TIME
- 3:30 – 4:30 **CHALK TALK SESSION FOR POSTDOCTORAL FELLOWS**
Light refreshments provided

SESSION 5: “MicroRNA in Cardiovascular Disease”

Session Chair: Ryan Temel, Wake Forest University

- 5:00-5:30 “Anti-miR-33 in non-human primates”
Ryan Temel, Wake Forest University
- 5:30-6:00 “microRNA in HDL”
Kasey Vickers, NIH
- 6:00-6:30 “microRNA in lipoprotein metabolism”
Kathryn Moore, New York University (tentative)
- 6:30-7:00 “Discovery of microRNA networks controlling lipid levels”
Praveen Sethupathy, UNC-Chapel Hill
- 7:00 PM ADJOURN – DINNER ON YOUR OWN

SATURDAY, September 29

7:00-8:00 AM CONTINENTAL BREAKFAST

SESSION 6: “Lipids and Environmental Toxins”

Session Chair: Lisa Cassis, University of Kentucky

- 8:00-8:30 “Toxicant-associated steatohepatitis (TASH) – Hepatic lipid effects of environmental chemicals”
Matthew Cave, University of Louisville
- 8:30-9:00 “Absorption and transport of organochlorine compounds”
Ronald Jandacek, University of Cincinnati
- 9:00-9:30 “Polychlorinated biphenyls, adipocyte arylhydrocarbon receptors, and diabetes”
Lisa Cassis, University of Kentucky
- 9:30-9:45 “The role of fatty acid modifications in PCB-induced endothelial dysfunction”
Michael Petriello, University of Kentucky
- 9:45-10:00 “Effects of perinatal PCB 126 exposure on body composition and glucose tolerance”
Cetewayo Rashid, University of Kentucky
- 10:00-10:30 BREAK

SESSION 7: “HDL as a Therapeutic Target”

Session Chair: Mary Sorci-Thomas, Wake Forest University

- 10:30-11:00 “Therapeutic strategies for improving high density lipoprotein functionality”
Henry Pownall, Baylor college of Medicine
- 11:00-11:30 “History of HDL structural analysis including applications to drug development”
Jere Segrest, University of Alabama
- 11:30-12:00 “Gender, HDL function, and cardiovascular disease”
John Stafford, Vanderbilt University
- 12:00-12:30 “Differential anti-atherogenic effects of apoA-I and apoE mimetic peptides”
G. M. Anantharamaiah, University of Alabama
- 12:30 PM CLOSING COMMENTS AND ADJOURNMENT –Alyssa Hasty and John Parks

