3rd Annual Symposium of the
UAB Comprehensive Cardiovascular Center

Frontiers in Diabetes-Related Cardiovascular Disease
From Bench to Bedside to Community

October 3-4, 2014
Renaissance Birmingham
Ross Bridge Golf Resort & Spa
Birmingham, Alabama

SPONSORED BY
The University of Alabama at Birmingham
Comprehensive Cardiovascular Center
Division of Cardiovascular Disease
Department of Medicine
and Division of CME

Register online
uab.edu/medicine/cardiovascularcenter
AGENDA—Friday, October 3, 2014

7:00–8:00 a.m. Continental Breakfast and Check-in
8:00–8:15 a.m. Welcome: Sumanth D. Prabhu, MD
   David C. Goff, Jr., MD, PhD, FAHA; Professor & Dean, Colorado School of Public Health
9:15 a.m.–12:05 p.m. Session I: Diabetes and the Heart: Role of Nutrient Excess
   Moderators: Todd Brown, MD & Adam Wende, PhD
   9:15–9:25 a.m. Moderator Overview
   9:30–10:00 a.m. F. Xavier Pi-Sunyer, MD, “Diabetes, Nutrient Excess and Cardiovascular Risk: A Population View”
   10:00–10:05 a.m. Discussion
   10:05–10:25 a.m. Coffee Break
   10:25–10:55 a.m. Linda Peterson, MD, “Sex, Drugs, Reek-n’-Roll, Obesity/Diabetes”
   10:55–11:00 a.m. Discussion
   11:05–11:35 a.m. E. Dale Abel, MD, PhD, “Signaling and Metabolic Conspiracies that Precipitate Diabetic Cardiomyopathy”
   11:35–11:40 a.m. Discussion
   11:45 a.m.–12:05 p.m. Sumanth Prabhu, MD, “Immune Cells and Diabetic Cardiomyopathy”
12:05–1:35 p.m. Lunch

AGENDA—Saturday, October 4, 2014

7:00–8:00 a.m. Continental Breakfast
8:00–8:15 a.m. Welcome: Martin Young, DPhil
8:15–9:00 a.m. Featheringill Young Investigator Award Finalists
   Moderators: Cora E. Lewis, MD & Steven G. Lloyd, MD, PhD
9:00–11:55 a.m. Session III: Contributions of Epigenetics and Genetics in Cardiovascular Disease During Diabetes
   Moderators: Stella Aslibekyan, PhD & Ganesh Halade, PhD
   9:00–9:10 a.m. Moderator Overview
   9:15–9:45 a.m. Donna Arnett, PhD, MSPH, “Epigenetic Contributions to Metabolic Risk Factors”
   9:45–9:50 a.m. Discussion
   9:50–10:15 a.m. Coffee Break
   10:15–10:45 a.m. Assam El-Osta, PhD, Contribution of Epigenetic Changes Implicated in the Complications of Diabetes”
   10:45–10:50 a.m. Discussion
   10:55–11:25 a.m. Timothy Garvey, MD, “Mechanisms Linking Metabolic and Vascular Components of Cardiometabolic Disease”
   11:25–11:30 a.m. Discussion
   11:35–11:55 a.m. Adam Wende, PhD, “Glucose-Mediated Regulation of DNA Methylation and Gene Expression in the Diabetic Heart”
   11:55 a.m.–1:00 p.m. Lunch
   Moderator: C. Roger White, PhD
   Speakers: Steven Lloyd, MD, PhD; John C. Chatham, DPhil
1:00–2:00 p.m. CCVC Keynote Presentation: “Shoveling Fat Into the Heart: How, Why and Why Not”
   Speaker: Ira J. Goldberg, MD, NYU Langone Medical Center
2:00–2:20 p.m. Featheringill Young Investigator Award and Poster Awards
   Presenters: Cora Elizabeth Lewis, MD & Steven G. Lloyd, MD, PhD
2:20–2:35 p.m. Wrap-up: Martin Young, DPhil
2:35 p.m. Adjourn
FACULTY

CENTER DIRECTOR:
Sumanth D. Prabhu, MD, FACC
Professor of Medicine, and Cell, Developmental and Integrative Biology
Director, UAB Division of Cardiovascular Disease
Mary Gertrude Waters Chair of Cardiovascular Medicine
Director, UAB Comprehensive Cardiovascular Center

PROGRAM DIRECTORS:
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Course Director

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Course Co-Director

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Cora E. Lewis, MD, MSPH, FAHA
Professor of Medicine and Associate Director for Research,
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Course Co-Director

GUEST FACULTY:
E. Dale Abel, MD, PhD
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Division of Endocrinology and Metabolism
Professor of Internal Medicine - Endocrinology and Metabolism
Professor of Biochemistry
University of Iowa Carver College of Medicine – Iowa City, IA

Assam El-Osta, PhD
Professor,
Epigenetics in Human Health and Disease Laboratory
Epigenomics Profiling Facility
The Alfred Medical Research and Education Precinct
Baker IDI Heart & Diabetes Institute – Melbourne, Victoria, Australia

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Division of Diabetes Translation
Centers for Disease Control and Prevention – Atlanta, GA

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Cardiovascular Division and Division of Geriatrics and Nutritional Sciences
Washington University School of Medicine – St. Louis, MO

F. Xavier Pi-Sunyer, MD, MPH
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Chief,
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New York Obesity Research Center
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MODERATORS:
Stella Aslibekyan, PhD
Assistant Professor,
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Todd M. Brown
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Palaniappan Sethu, PhD
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C. Roger White, PhD
Professor,
UAB Division of Cardiovascular Disease
Department of Medicine

Conference Registration
Pre-registration: $50 for attendees outside of UAB. No charge for trainees and UAB faculty and staff.

Onsite Registration: $75 for attendees outside of UAB (check only). No charge for trainees and UAB faculty and staff.

Pre-register online at uab.edu/medicine/cardiovascularcenter

Hotel Reservations
To reserve a room, call Reservations at (205) 916-7677 and ask for the UAB rate of $199 (not including lodging tax) per night, per availability.

Renaissance Ross Bridge Golf Resort and Spa
4000 Grand Avenue
Birmingham, Alabama 35226
EDUCATIONAL OBJECTIVES

This meeting is designed to provide scientists and clinicians with the most current information concerning recent advances in clinical care and applied research in the field of diabetes-related cardiovascular disease.

After attending this symposium, participants should be able to:

1. Discuss the underlying mechanisms contributing to the pathogenesis of both cardiac and vascular dysfunction during diabetes
2. Understand how diabetes increases risk for adverse cardiovascular events
3. Discuss how to perform research focused on cardiovascular complications during diabetes
4. Increase knowledge of treatment/prevention options for cardiovascular complications during diabetes

ABSTRACT SUBMISSION

Deadline for Abstracts: August 15th, 2014 for consideration of the Featheringill Young Investigator Award; September 15th, 2014 for acceptance as a poster presentation only. Submit abstracts online and find additional guidelines for submission at uab.edu/medicine/cardiovascularcenter

Eligibility: Graduate students, post-doctoral fellows, clinical fellows, and residents.

Featheringill Young Investigator Award:
The primary authors of the top 3 abstract submissions will be selected to present a 15 minute session at the symposium on October 4th. The top presentation will be awarded the Featheringill Young Investigator Award. Authors selected to present at the symposium will be notified September 1st, 2014.

ACCREDITATION

The University of Alabama School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Alabama School of Medicine designates this educational activity for a maximum of 12.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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