MONDAY, OCTOBER 17, 2016

8:30-9:00  Breakfast

IMMUNOLOGIC BASIS OF HYPERTENSION AND CARDIOVASCULAR DISEASE: FUNDAMENTAL MECHANISMS AND THERAPEUTIC OPPORTUNITIES
Chair: Roger White, PhD

9:00-9:30  Genomic sequencing from bedside to bench and back again
Howard J. Jacob, PhD
9:30-9:45  Q&A

9:45-10:15  Vascular contributors to cognitive aging: Targeting RAS and its modulation
Ihab Hajjar, MD, MS
10:15-10:30  Q&A

10:30-10:45  Break

10:45-11:30  Immune activation in arterial hypertension
David G. Harrison, MD, FACC, FAHA
11:30-11:45  Q&A

11:45-12:30  Lunch

IMMUNOLOGIC BASIS OF HYPERTENSION AND CARDIOVASCULAR DISEASE: CLINICAL IMPLICATIONS
Chair: Michael J. Mugavero, MD, MHSc

12:30-1:00  Why worry about cardiometabolic diseases in HIV?
E. Turner Overton, MD
1:00-1:15  Q&A

1:15-1:45  Stress and atherosclerosis plaque macrophages – a systems biology approach
Zahi A. Fayad, PhD, FACC, FAHA
1:45-2:00  Q&A

2:00-2:15  Break

2:15-3:00  Breakout Sessions
Basic Science, Location: Ballroom
Moderator: Alexander J. Szalai, PhD

Translational Science, Location: Ballroom
Moderator: Yiu-Fai Chen, PhD, FAHA, FASH

Population/Clinical Science, Location: Ballroom
Moderator: Fadi G. Hage, MD, FACC, FASH

3:00-3:30  Future Directions

2016 Symposium Planning Committee: David A. Calhoun, MD, Yiu-Fai Chen, PhD; Program Directors: Paul M. Muntner, PhD, Suzanne Oparil, MD

FACULTY LIST
Norrina Bai Allen, PhD, MPH
Assistant Professor
Department of Preventive Medicine (Epidemiology)
Northwestern University Feinberg School of Medicine
Chicago, Illinois

Ambika P. Ashraf, MBBS, DCH, MD
Associate Professor of Pediatrics
Division of Pediatric Endocrinology
UAB, Department of Pediatrics

John N. Booth, III, MS, MA
Graduate Student Trainee
Department of Epidemiology
UAB, School of Public Health

Virginia G. Bradley, PhD
Professor
Division of Gerontology, Geriatrics & Palliative Care
UAB, Department of Medicine

Yiu-Fai Chen, PhD, FAHA, FASH
Professor
Division of Cardiovascular Disease
UAB, Department of Medicine

Zahi A. Fayad, PhD, FACC, FAHA
Professor of Radiology and Medicine (Cardiology)
Director, Translational and Molecular Imaging Institute
Director, Cardiovascular Imaging
Icahn School of Medicine at Mount Sinai
New York, New York

Zorina S. Galis, PhD
Chief, Vascular Biology and Hypertension Branch
Division of Cardiovascular Sciences (DCVS)
National Heart, Lung and Blood Institute (NHLBI)
NIH, Department of Health and Human Services
Bethesda, Maryland

Fadi G. Hage, MD, FACC, FASH
Associate Professor of Medicine
Director, Nuclear Cardiology
Division of Cardiovascular Disease
UAB, Department of Medicine
Chief, Cardiology Service, Birmingham VAMC

Ihab Hajjar, MD, MS
Associate Professor of Medicine and Neurology
Division of Geriatrics and General Internal Medicine
Department of Medicine
Emory University
Atlanta, Georgia

David G. Harrison, MD, FACC, FAHA
Betty and Jack Bailey Professor of Medicine
Professor of Pharmacology and Physiology
Director of Clinical Pharmacology
Vanderbilt University
Nashville, Tennessee

TUESDAY, OCTOBER 18, 2016

8:30-9:00  Breakfast

LIFE COURSE TRAJECTORIES OF BLOOD PRESSURE AND CARDIOVASCULAR DISEASE: OVERVIEW AND EARLY YEARS
Chair: Cora E. Lewis, MD, MSPH, FACP, FAHA

9:00-9:30  Long-term blood pressure trajectories and the development of cardiovascular disease
Norrina Bai Allen, PhD, MPH
9:30-9:45  Q&A

9:45-10:15  Dyslipidemia in children – precursor of future cardiovascular disease
Ambika P. Ashraf, MBBS, DCH, MD
10:15-10:30  Q&A

10:30-10:45  Break

10:45-11:30  Enduring cardiovascular system puzzles, time for “The Vasculome?”
Zorina S. Galis, PhD
11:30-11:45  Q&A

11:45-12:30  Lunch and Poster Session Awards

LIFE COURSE TRAJECTORIES OF BLOOD PRESSURE AND CARDIOVASCULAR DISEASE: EFFECTS OF AGING
Chair: Virginia G. Bradley, PhD

12:30-1:00  Racial differences in the maintenance of healthy lifestyles: Young adulthood through middle-age
John N. Booth, III, MS, MA
1:00-1:15  Q&A

1:15-1:45  Vascular aging and exercise: Are you as old as your arteries?
Hirofumi Tanaka, PhD
1:45-2:00  Q&A

2:00-2:15  Break

2:15-3:00  Breakout Sessions
Basic Science, Location: Ballroom
Moderator: Jennifer S. Pollock, PhD, FAHA

Translational Science, Location: Ballroom
Moderator: Virginia G. Bradley, PhD

Population/Clinical Science, Location: Ballroom
Moderator: George Howard, DrPH

3:00-3:30  Future Directions
EDUCATIONAL OBJECTIVES

Learners should be able to:

- Be aware of the role of big science (omics) in developing novel therapies for cardiovascular disease.
- Become familiar with the potential role of the renin-angiotensin system in hypertension, vascular disease, and cognitive decline/dementia in older adults.
- Gain a better understanding of the need for “the vasculome” as a new focus for biomedical research.
- Gain a better understanding of the role of noninvasive multimodality imaging for the early detection of vascular inflammation and for outcomes prediction in humans.
- Be aware of the importance of cardiometabolic diseases in patients with treated HIV.
- Understand the role of assessing trajectories of blood pressure and cardiovascular disease in the development of population-based strategies to prevent or manage these conditions.
- Gain a better understanding of the role of lipids in the pathogenesis of vascular disease in children.
- Understand the role of immune activation in the pathogenesis of arterial hypertension.
- Understand the effect of aging on trajectories of blood pressure/hypertension and the development of vascular disease throughout the life cycle.
- Recognize the value of increased physical activity in delaying vascular aging.

ACCREDITATION

To request CME credit, you must sign in each day you attend and provide requested information.

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