FRIDAY, MAY 3, 2019
7:30-8:00  BREAKFAST

MOLECULAR MECHANISMS OF DISEASE
Chair: Gregory A. Payne, MD
8:00-8:30  Activated PMN exosomes: Novel pathogenic entities causing matrix destruction and disease
J. Edwin Blalock, PhD
8:30-8:45  Q&A
8:45-9:15  Role of exosomes in induction of fibrosis and heart failure
Lufang Zhou, PhD
9:15-9:30  Q&A
9:30-9:45  Break
9:45-10:15 Epigenetic mechanisms of diabetic cardiovascular disease
Adam R. Wende, PhD
10:15-10:30 Q&A
10:30-11:00 Do HIV and inflammation collude to accelerate cardiovascular disease? The jury is out
E. Turner Overton, MD
11:00-11:15 Q&A
11:15-11:45 DATA BLITZ – PART I
11:45-12:30 LUNCH

NOVEL DIAGNOSTICS AND TREATMENTS
Chair: Tanja Dudenbostel, MD
12:30-1:00 Renal nerves and renal inflammation in hypertension: Is there a link?
John W. Osborn, PhD
1:00-1:15 Q&A
1:15-1:45 Renal denervation: on a new footing
Raymond R. Townsend, MD
1:45-2:00 Q&A
2:00-2:30 DATA BLITZ – PART II
2:30-3:00 Carotid stimulation
John D. Bisognano, MD, PhD
3:00-3:15 Q&A
3:15-3:45 The role of blood pressure self-measurement in the management of hypertension: The benefits and the current implementation challenges
Hayden B. Bosworth, PhD
3:45-4:00 Q&A
4:15-6:00  20th ANNUAL TRAINEE POSTER SESSION
Abroms-Engel Institute for the Visual Arts (AEIVA)
1221 10th Avenue South, Birmingham, AL 35205

SATURDAY, MAY 4, 2019
7:30-8:00  BREAKFAST

BLOOD PRESSURE MEASUREMENT
Chair: Paul Muntner, MHS, PhD
8:00-8:30 Blood pressure self-measurement
Michael K. Rakotz, MD
8:30-8:40 Q&A

AOBP HOT TOPIC DEBATE
8:40-8:55 [PRO] AOBP: The “Gold Standard” for BP measurement
Martin Myers, MD, FRCP
8:55-9:10 [CON] AOBP: The “Gold Standard” for BP measurement
George S. Stergiou, MD, FRCP
9:10-9:25 Audience Discussion/Q&A
9:25-9:40 Break
9:40-10:10 Correlations of clinic BP, HBPM and ABPM
Joseph E. Schwartz, PhD
10:10-10:20 Q&A
10:20-10:50 Masked hypertension
Daichi Shimbo, MD
10:50-11:00 Q&A
11:00-12:00 LUNCH AND AWARDS CEREMONY
THE SPRINT MARATHON
Chair: Fadi G. Hage, MD
12:00-12:30 Vascular cognitive impairment
Ronald M. Lazar, PhD, FAHA, FAAN
12:30-12:40 Q&A
12:40-1:10 SPRINT-MIND
Virginia W. Bradley, PhD
1:10-1:20 Q&A
1:20-1:50 SPRINT-HF
Bharathi Upadhy, MD
1:50-2:00 Q&A
2:00-2:30 SPRINT-KIDNEY
Tara I. Chang, MD, MS, FASN
2:30-2:40 Q&A
2:40-3:00 SPRINT: Panel Discussion
3:00 Adjournment

SYMPOSIUM FACULTY
John D. Bisognano, MD, PhD
Professor of Medicine & Director
Outpatient Services, Division of Cardiology
Director, Comprehensive Hypertension Center
Department of Medicine
University of Rochester Medical Center
Rochester, New York

J. Edwin Blalock, PhD
Distinguished Professor
Nancy E. Dunlap Endowed Chair in Pulmonary Diseases
Division of Pulmonary, Allergy, and Critical Care Medicine
UAB, Department of Medicine

Hayden B. Bosworth, PhD
Professor and Vice Chair for Education
Department of Population Health Sciences
Duke University Medical Center
Deputy Director, Center for Health Services Research in Primary Care, Durham Veterans Affairs Medical Center
Durham, North Carolina

Virginia W. Bradley, PhD
Professor of Medicine
UAB, Division of Gerontology, Geriatrics and Palliative Care

Tara I. Chang, MD, MS, FASN
Assistant Professor of Medicine
Division of Nephrology, Department of Medicine
Stanford University School of Medicine
Stanford, California

Tanja Dudenbostel, MD
Assistant Professor
UAB, Division of Cardiovascular Disease

Samantha Giordano, PhD
Assistant Professor/Biomedical Sciences Program
Department of Clinical and Diagnostic Sciences
UAB, School of Health Professions

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

Ronald M. Lazar, PhD, FAHA, FAAN
Evelyn F. McKnight Endowed Chair Professor and Director,
UAB, Division of Neuropsychology

Evelyn F. McKnight Brain Institute
UAB, Department of Neurology

Paul Muntner, MHS, PhD
Professor and Vice Chair, Department of Epidemiology
UAB, School of Public Health

Martin Myers MD, FRCP
Professor of Medicine
University of Toronto
Consultant Cardiologist
Sunnybrook Health Sciences
Centre Toronto, Ontario, Canada
EDUCATIONAL OBJECTIVES

After participating in this CME activity, participants should be able to:

Recognize the critical role of inflammation in the pathogenesis of hypertension, arterial disease, atherosclerosis and cardiometabolic diseases.

Recognize the linkage between inflammation in the kidney and renal nerve actuation the pathogenesis of hypertension.

Become aware of the recently recognized roles of exosomes and epigenetic mechanisms in the pathogenesis of vascular disease.

Evaluate novel treatments for hypertension, including renal denervation and carotid sinus stimulation.

Recognize the growing importance of blood pressure self-measurement in the management of hypertension.

Be aware of current concepts and controversies regarding office blood pressure measurement.

Be aware of best practices in diagnosing and treating masked HTN.

Discuss the implications of the SPRINT MIND study for managing patients with hypertension and chronic kidney disease.

Recognize the role of intensive blood pressure management in preventing heart failure and the development of cognitive impairment and dementia.

Discuss the recent recommendations for the prevention, detection, evaluation and management of high BP in adults.

Apply the 2017 ACC/AHA Guideline for the Prevention, Detection, Evaluation and Management of High Blood Pressure in Adults to everyday clinical practice.