

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*

Suresh K. Verma, 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 VB&H POSTER SESSION
Location: 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, FAHA, FAAFP
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, FRCPC

8:55-9:10 [CON] AOBP: *The “Gold Standard” for BP measurement*

George S. Stergiou, MD, FRCPC

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*

Paul Drawz, MD, MHS, MS
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 *Effect of Intensive Blood Pressure Treatment on Heart Failure Events in the SPRINT*

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
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Director, Comprehensive Hypertension Center
Department of Medicine
University of Rochester Medical Center
Rochester, New York

J. Edwin Blalock, PhD

Distinguished Professor
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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

Paul Drawz, MD, MHS, MS

Assistant Professor and Director of Hypertension
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University of Minnesota
Minneapolis, Minnesota

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
Director, Evelyn F. McKnight Brain Institute
UAB, Department of Neurology

Paul Muntner, MHS, PhD

Professor and Vice Chair, Department of Epidemiology
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SYMPOSIUM FACULTY

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Medical Director, UAB 1917 Clinic

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Professor and Co-Director
Cardio-Renal Physiology and Medicine
UAB, Division of Nephrology

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University of Pennsylvania Medical Center
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Bharathi Upadhy, MD, FACC

Associate Professor, CV Medicine Section
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Suresh K. Verma, PhD

Associate Professor
UAB, Division of Cardiovascular Disease

Adam R. Wende, PhD

Assistant Professor
Division of Molecular and Cellular Pathology
UAB, Department of Pathology

Thursday, May 2, 2019

Interactive Workshop on Hypertension
Edge of Chaos, Lister Hill Library 4th Floor

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 activation in 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.

ACCREDITATION

To receive CME credit, you must sign in each day of attendance and provide all required 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. The University of Alabama School of Medicine designates this live activity for a maximum of ____ **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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Symposium Planning Committee

David A. Calhoun, MD, Samantha Giordano, PhD,
Fadi G. Hage, MD, Paul M. Muntner, PhD, Suzanne Oparil, MD,
Gregory A. Payne, MD, PhD, David M. Pollock, PhD,
Jennifer S. Pollock, PhD, Roger White, PhD, J. Michael Wyss, PhD
Coordinators: Pamela M. Jacobs, Faith F. Lang



30th Annual Vascular Biology and Hypertension Symposium

UAB National Alumni Society House
1301 10th Avenue South
Birmingham, Alabama

May 3-4, 2019

Sponsored by the
Vascular Biology & Hypertension Program
Division of Cardiovascular Disease
Department of Medicine
University of Alabama School of Medicine
Division of Continuing Medical Education
University of Alabama at Birmingham

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UAB Comprehensive Diabetes Center
UAB Nephrology Research and Training Center
UAB-UCSD O'Brien Core Center for
Acute Kidney Injury Research
UAB Center for Free Radical Biology

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