

## Recent Advances in Hypertension

Co-sponsored and chaired by the Editors of the *Hypertension*

Wednesday, September 14, 2016

### 8:00 – 9:45 Session I: Opening Remarks and Keynote Lecture

#### Moderators:

Joey Granger, PhD, Vice Chair, Council on Hypertension and Associate Editor of *Hypertension*  
Christopher Wilcox, MD, Chair, Council on Hypertension

#### 8:00 **Opening Remarks**

*Joey Granger, PhD, Chair Program Committee, Council on Hypertension*

#### 8:10 **Welcome Address**

*Steven Houser, PhD, FAHA, President, American Heart Association*

#### 8:20 **Opening Keynote Lecture: The SPRINT TRIAL: Does Intensive Management of High Blood Pressure Further Reduce Rates of Cardiovascular Disease and Lower Risk of Death?"**

*William Cushman, MD, University of Tennessee College of Medicine, Memphis TN*

#### 9:00 **Panel and Audience Discussion: Is It Time to Reappraise Blood Pressure Thresholds and Targets?**

Discussion Leader: *Daniel W. Jones, MD, University of Mississippi Medical Center*

#### Panelists:

*Suzanne Oparil, MD, FAHA, University of Alabama at Birmingham  
Kenneth A. Jamerson, MD, University of Michigan  
Ernesto Schiffrin, MD, PhD, FAHA, McGill University*

#### 9:45 **COFFEE BREAK**

### 10:15- 12 Session II: Obesity, Diabetes, and Cardiovascular Disease

Moderator: Anna Dominiczak, MD; Editor-in -Chief of *Hypertension*

#### 10:15 **Molecular Mechanisms of Cardiometabolic Disease**

*Kenneth Walsh, PhD, Boston University School of Medicine*

#### 10:45 **Molecular Regulation of Adipose Phenotype in Health and Disease**

*Paul Cohen, MD, PhD, Rockefeller University*

#### 11:15 **The EMPA-REG Trial – Is SGLT2 Inhibition Cardiorenal Protective?**

*Donald Kohan, MD, PhD, University of Utah Health Sciences Center*

#### 11:30 **Possible Mechanisms of Cardiorenal Protection of SGLT2 Inhibitors**

*Christopher Wilcox, MD, PhD, Georgetown University*

#### 12:00 **LUNCH BREAK**

**1:00 – 2:00 Session III: The Vasculature in Hypertension**

**Moderator:** Rhian Touyz, MD, PhD; Deputy Editor of *Hypertension*

**1:00 Arterial Stiffness, Fatness, and Physical Fitness: Ready for Intervention in Childhood and Across the Life Course?**

*Professor Kennedy Cruickshank, King's College London*

**1:30 Transduction of Mechanical Signals in VSMCs**

*Heather Drummond, Ph.D. University of Mississippi Medical Center*

**2:00 – 3:00 Session IV: Novel Aspects of the Renin Angiotensin System**

**Moderator:** David Harrison, MD; Associate Editor of *Hypertension*

**2:00 How is the Brain Renin-Angiotensin System Regulated?**

*Curt Sigmund, PhD, University of Iowa*

**2:30 The Pathophysiologic Significance of the Adipocyte Renin-Angiotensin System in Cardiovascular Diseases**

*Lisa Cassis, PhD, University of Kentucky*

**3:00 – 4:00 Session V: Hot Topics in Hypertension Research**

**Moderator:** S. Ananth Karumanchi, MD,

**3:00 Non-Pharmacological Approach to Antihypertensive Treatment: Efficacy, Problems and Perspectives.**

*Jens Jordan, MD, Hannover Medical School, Germany*

**3:30 An Update on the Link Between Gut Microbiota and Hypertension**

*Bina Joe, PhD, FAHA, University of Toledo Health Science*

**4:00 COFFEE BREAK**

**4:15 – 5:15 Session VI: Hormones and Cardiovascular Disease**

**Moderator:** Garry Jennings, MD; Associate Editor of *Hypertension*

**4:15 Testosterone Replacement and Cardiovascular Disease**

*Shehzad Basaria, MD, Brigham and Women's Hospital, Harvard Medical School*

**4:45 Mineralocorticoid Receptor Activation and Cardiovascular Disease**

*Nancy Brown, MD, Vanderbilt University*

**5:15 – 6:15 Session VI: Acute and Chronic Stress: Impact on Cardiovascular Health**

**Moderator:** Gregory Fink, PhD; Associate Editor of *Hypertension*

**5:15 Assessment of Target Organ Damage from Cardiovascular Risk Factors in Youth**

*Elaine Urbina, MD, University of Cincinnati Children's Hospital*

**5:45 Novel Mechanisms of Early Life Stress Mediated Cardiovascular Disease Risk**

*Jennifer Pollock, PhD, University of Alabama at Birmingham*

**7:00 Poster session and Reception**