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**