Opening Session
Recent Advances in Hypertension
Co-sponsored and chaired by the Editors of the Hypertension
Wednesday, September 16, 2015

Session I: Opening Remarks and Keynote Lecture
Moderators:
Joey Granger, PhD, Vice-Chair, Council on 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
    Mark Creager, MD, President, American Heart Association

    Gary Gibbons, MD, Director, NHLBI, National Institutes of Health, Washington, DC

Session II: Nervous System
Moderator:
Gregory Fink, PhD; Associate Editor of Hypertension

9:00  Interaction between autonomic and metabolic mechanisms that regulate blood pressure in humans
    Italo Biaggioni, M.D Vanderbilt University, Nashville, TN

9:30  Device-based Neuromodulation for hypertension therapy: mechanisms and therapeutic implications
    Thomas Lohmeier, PhD, University of Mississippi Medical Center, Jackson, MS

10:00 COFFEE BREAK

Session III: Genetics and Epigenetics
Moderator:
Anna Dominiczak, MD, Editor-in-Chief of Hypertension

10:30 Environmental epigenetics: a role in cardiovascular disease?
    Andrea Baccarelli, M.D., Harvard T.H. Chan School of Public Health, Boston, MA

11:00 Clock genes in hypertension: novel insights from rodent models
    Michelle Gumz, Ph.D. University of Florida, Gainesville, FL

1130 BOX LUNCH
**Session IV: Endothelial Factors**
**Moderator:**
Ernesto Schiffrin, MD, PhD, Associate Editor of *Hypertension*

12:30  **Why do inhibitors of VEGF signaling cause hypertension?**  
A.H. van den Meiracker, PhD, Erasmus MC, Rotterdam, the Netherlands

1:00  **Role of endothelin in hypertension and cardiorenal diseases**  
Donald Kohan, MD, PhD, University of Utah, Salt Lake City, Utah

**Session V: Clinical Hypertension**
**Moderator:**
TBD

1:30  **Resistant and Refractory Hypertension: Antihypertensive Treatment Resistance versus Treatment Failure**  
David Calhoun, MD, University of Alabama at Birmingham, Birmingham, AL

2:00  **Sleep Apnea, Sleep Deprivation, and Obesity – Does Sleeping Less Make you Fat?**  
Virend Somers, MD, Mayo Clinic, Rochester, MN

**Session VI: Gender and cardiovascular diseases**
**Moderator:**
Rhian Touyz, MD, PhD, Deputy Editor of *Hypertension*

2:30  **Women & Cardiovascular Disease: Is there a Sex Difference?**  
Martha Gulati, MD, MS, FACC, FAHA, The Ohio State University Wexner Medical Center

3:00  **Gender differences in blood pressure control: Physiological mechanisms**  
Jennifer Sullivan, PhD, Georgia Regents University, Augusta, GA

3:30  **Coffee Break**

**Session VI: Developmental Programming of Cardiovascular Diseases**
**Moderator: Joey Granger, PhD; Associate Editor of Hypertension**

4:00  **Developmental programming of cardiovascular disease**  
Kent Thornburg, PhD, Oregon University Health Sciences Center, Portland, Oregon

4:30  **Developmental programming of Hypertension: Physiological mechanisms**  
Barbara Alexander, PhD, University of Mississippi Medical Center, Jackson, Mississippi

**Session VI: Immune Mechanisms**
**Moderator:**
Ji-Guang Wang, MD, PhD; Associate Editor of *Hypertension*

5:00  **Interferon Regulatory Factor Signaling in Cardiometabolic Diseases**  
Hongliang Li, MD, PhD, Wuhan University, China

5:30  **Interactions between the immune and renin-angiotensin systems in hypertension**  
Steve Crowley, MD, Duke University, Durham, North Carolina