

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

8:20 Opening Keynote Lecture: Building on the NHLBI Legacy of Hypertension Research: Charting Our Future Together.

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