Recent Advances Program Agenda

Thursday, September 5

7:30 – 8 a.m.
Session 1.1
Welcome and Opening Remarks
Acadia

7:30 Opening Remarks and Welcome
Curt Sigmund, PhD, FAHA, Chair, Fall Specialty Conference Planning Committee
Karen Griffin, MD, FAHA, Chair, Council on Hypertension

8 – 9 a.m.
Session 1.2
Recent Advances in Hypertension: Keynote Lectures
Acadia

Chairs:
Curt D. Sigmund, PhD, FAHA, Medical College of Wisconsin, Milwaukee, Wisconsin
Professor Dame Anna F. Dominiczak, MD, FAHA, University of Glasgow, Glasgow, United Kingdom

8:00 Blood Pressure Genomewide Studies at One Million
Professor Mark Caulfield, MD, FRCP, FESC, FBHS, FMedSci, Genomics England & QMUL, London, United Kingdom

8:30 Light in the Dark Genome for Hypertension Research
Mingyu Liang, PhD, FAHA, Medical College of Wisconsin, Milwaukee, Wisconsin

9- 10 a.m.
Session 2
Recent Advances: Debates
Acadia

Chairs:
Jan N. Basile, MD, FAHA, Medical University of South Carolina, Charleston, South Carolina
Anthony Viera, MD, MPH, FAHA, Duke University, Durham, North Carolina

9:00 Debate 1 (AMBULATORY): For Out-of-Office Blood Pressure Monitoring, is Ambulatory Blood Pressure Monitoring or Home (Self) Blood Pressure Monitoring the Best Approach?
Raymond Townsend, MD, Pennsylvania School of Medicine, Philadelphia, Pennsylvania
9:10 Debate 1 (HOME): For Out-of-Office Blood Pressure Monitoring, is Ambulatory Blood Pressure Monitoring or Home (Self) Blood Pressure Monitoring the Best Approach?
Michael K. Rakotz, MD, FAHA, FAAFP, American Medical Association, Chicago, Illinois

9:20 Debate 1: Q&A

9:30 Debate 2 (AUTOMATED): Should Automated Office Blood Pressure (AOBP) Measurement or an Auscultatory Measurement be the Primary Approach for the Screening of Hypertension in the Clinic?
Martin Myers, MD, FRCPC, Sunnybrook Health Sciences Center, Toronto, Ontario, Canada

9:40 Debate 2 (AUSCULTATORY): Should Automated Office Blood Pressure (AOBP) Measurement or an Auscultatory Measurement be the Primary Approach for the Screening of Hypertension in the Clinic?
Paul K. Whelton, MD, MSc, Tulane University, New Orleans, Louisiana

9:50 Debate 2: Q&A

10:30 – 11:10 a.m.
Session 3
Recent Advances: Relationship Between Metabolism and Blood Pressure

Acadia

Chairs
Kamal Rahmouni, PhD, FAHA, University of Iowa, Iowa City, Iowa
James Sowers, MD, University of Missouri, Columbia, Missouri

10:30 Intersection of Metabolic and Blood Pressure Regulatory Circuits in the CNS
Justin L. Grobe, PhD, FAHA, Medical College of Wisconsin, Milwaukee, WI

10:50 Adiposity, Metabolism and Hypertension
Vidya Kidambi, MD, Medical College of Wisconsin Milwaukee, Wisconsin

11:10 a.m. – Noon
Session 4
Recent Advances: Arterial Stiffness- Clinical Research to Mechanisms
Acadia

Chairs
George L. Bakris, MD, MA, FASN, FAHA, University of Chicago Medicine, Chicago, Illinois
Gary Pierce, PhD, FAHA, University of Iowa, Iowa City, Iowa

11:10 Arterial Stiffness in Aging: Does it Have a Place in Clinical Practice?
Gary Mitchell, MD, Cardiovascular Engineering, Inc., Norwood, Massachusetts

11:35 The Role of the Cytoskeleton in Vascular Aging
Kathleen Morgan, PhD, Boston University, Boston, Massachusetts
Friday, September 6

8 – 9 a.m.
Session 7
Recent Advances: Microbiome
Acadia

Chairs:
Dominik N. Mueller, PhD, Max-Delbruck Center and Clinical Experimental Research Center, Berlin, Germany
Jennifer M. Sasser, PhD, FAHA, University of Mississippi Medical Center, Jackson, Mississippi

8:00  Genetic Mechanisms Regulating the Microbiome
Matam Vijay-Kumar, PhD, University of Toledo, Toledo, Ohio

8:30  Nutrition and the Microbiome
Katie A Meyer, ScD, University of North Carolina, Kannapolis, North Carolina

9 – 10 a.m.
Session 8
Recent Advances: Chronotherapy and Circadian Rhythms in Hypertension
Acadia

Chairs:
David Fulton, PhD, Medical College of Georgia, Augusta, Georgia
David M. Pollock, PhD, FAHA, University of Alabama at Birmingham, Birmingham, Alabama

9:00  Circadian Rhythms, Clock Genes, and Hypertension
Michelle L Gumz, PhD, University of Florida, Gainesville, Florida

9:30  Chronotherapy in the Treatment of Hypertension: Where do we Stand?
Mahboob Rahman, MD, Case Western Reserve University, Cleveland, Ohio

10:30 a.m. - Noon
Session 9
Recent Advances: Neurogenic Hypertension: Brain, Heart, Kidney
Acadia

Chairs:
Eric D. Lazartigues, PhD, FAHA, School of Medicine, Louisiana State University Health Sciences Center, New Orleans, Louisiana
Professor Murray Esler MBBS, PhD, FAA, Baker Heart and Diabetes Institute, Melbourne Australia

10:30  Neuronal Networks in Hypertension
Patrice G. Guyenet, PhD, University of Virginia, Charlottesville, Virginia

11:00  Is the Kidney the Right Target to Interrupt the SNS in Hypertension?
John W. Osborn, PhD, FAHA, University of Minnesota, Minneapolis, Minnesota

11:30  Role of the heart in blood pressure lowering during chronic baroreflex activation
Thomas E. Lohmeier, PhD, FAHA, Dept. of Physiology, University of Mississippi Medical Center, Jackson, Mississippi