



Hypertension 2022

Schedule at a Glance

WEDNESDAY, SEPT 7		
Time	Recent Advances/Basic/TAC Sessions	Clinical/Primary
NEW TIME 7:30-9	<p>Session 1 Sapphire BCFGJKNO Opening Remarks and Keynote Lecture Opening Remarks and Welcome Michelle A. Albert, MD, MPH, FAHA, American Heart Association President Curt D. Sigmund, PhD, FAHA, Chair, Council on Hypertension R. Ariel Gomez, MD, FAHA, Chair, Hypertension 2022 Program Committee</p> <p>Opening Keynote Lecture: Challenges and New Approaches to Drug Discovery for G Protein Coupled Receptors Brian Kobilka, MD, Department of Molecular and Cellular Physiology, Stanford University School of Medicine</p>	
9- 10	<p>Session 2 Sapphire BCFGJKNO Recent Advances in Hypertension Adipose Biology in the Cardiovascular System: Advances, Tools and Context in Hypertension Moderators: Stephanie Watts, PhD, FAHA and Clintoria R. Williams, PhD, FAHA</p> <p>The Multifaceted Roles of Adipose Tissue Christy Gliniak A Unique Adipocyteprogenitor Population Promotes Age-Related Adiposity Qiong (Annabel) Wang, PhD Adipose Tissue in the CV system Andres Contreras, DVM, MS, PhD</p>	
10- 10:30	Break	
10:30 – 12	<p>Session 3 Recent Advances in Hypertension Sapphire BCFGJKNO Sodium-Potassium Ratio: Effects and the Implications for the Public Moderators: Stephen Juraschek, MD, PhD, FAHA and Alexander Staruschenko, PhD, FAHA</p> <p>Non-Traditional Mechanisms of Salt-Sensitivity Srividya Kidambi, MD, MS Beneficial Effects of a High Potassium Diet Paul A. Welling, MD, FAHA Population Effects of Dietary Changes Kirsten Bibbins-Domingo, MD, PhD</p>	
12- 1:30	<p>Session 4 Sapphire DH Meet the Nobel Networking Event <i>(Open to all, Limited Attendance)</i></p>	

<p>1:30 – 3:00</p>	<p>Session 5 (A, B and C) Concurrent Oral abstracts highlighting early career science</p> <p>Concurrent Session A Sapphire 400 Trainee Advocacy Committee (TAC) Jr Faculty Showcase Session</p> <p>Concurrent Session B Cobalt 500</p> <p>TAC Oral Abstract Session: Epigenetics: The Genome and Beyond</p> <p>Concurrent Session C Sapphire DH TAC Oral Abstract Session: New Paradigms in Immune Response</p>	<p>Session 5D Sapphire LP CPCS Concurrent State of the Art Debates on Blood Pressure Control Moderators Wanpen Vongpatanasin, MD, FAHA</p> <p>Case Presentation 1 Wanpen Vongpatanasin, MD, FAHA Blood Pressure Control Should Focus on Less Sodium Stephen P Juraschek, MD, PhD, FAHA Blood Pressure Control Should Focus on More Potassium Swapnil Hiremath, MD, MPH, FAHA, FASN, ISHF</p> <p>Case Presentation 2 Lama Ghazi, MD, PhD Systolic Blood Pressure Target Should Be Less Than 130 mm Hg Among Older Adults with Hypertension Mark A. Supiano, MD, AGSF For Older Adults We Are Not There Yet: Systolic Blood Pressure Target Should Be 130 mm Hg or Higher Sanjay Kaul, MD</p>
<p>3:00 -3:30</p>	<p>Break</p>	
<p>3:30 – 5:30</p>	<p>Session 6 (A, B and C) Concurrent Oral abstracts highlighting early career science</p> <p>Concurrent Session A Sapphire 400 Trainee Advocacy Committee (TAC) Early Career Oral Award Session</p> <p>Concurrent Session B Cobalt 500</p> <p>TAC Oral Abstract Session: What's Salt Got to do With It?</p> <p>Concurrent Session C Sapphire DH TAC Oral Abstract Session: Bridging the Gap Between Discovery and Clinical Science</p>	<p>Session 6D Sapphire LP Primary Care Concurrent Self-Measured Blood Pressure Monitoring with Clinical Support to Improve Hypertension Outcome Moderators: Jennifer Cluett, MD and Tony Amofah, MD, MBA, FACP, FABQAURP</p> <p>Selection of Self-Measured Blood Pressure Monitoring Devices: Accuracy and Functionality Tammy M. Brady, MD, PhD Strategies to Increase the Use of Self-Measured Blood Pressure Monitoring CAPT Fleetwood Loustalot, FNP, PhD, FAHA Self-Measured Blood Pressure Telemonitoring: Lessons Learned During the COVID-19 Pandemic Kelsey Bryant, MD Building Software for Clinicians by Clinicians: How We Created a System for Asynchronous BP Self-Monitoring and Semi-Automated Med Titration Mintu Turakhia MD MAS, FAHA, FACC, FHRS Integration of Self-Measured Blood Pressure Monitoring Into Clinic Workflows Debra McGrath, MSN, FNP Co-Intervention Support for Self-Measured Blood Pressure Monitoring Ruth-Alma Turkson-Ocran, PhD, MPH, RN, FNP-BC</p>

5:30 – 7:00	POSTER SESSION 1: TAC Poster session/competition and reception Sapphire AEIM	
THURSDAY, SEPT 8		
Time	Recent Advances/ Basic	Clinical/Primary
7-8	Learning Studio Sapphire DH Hypertension Management: Advanced Options Beyond Medication Speakers: Naomi Fisher, MD, Prof. Murray Esler and Michael Bloch, MD (Moderator) Breakfast included Sponsor: ReCor Medical	
7-8	SP.01 Sapphire 400 NHLBI Program Project Grants: What Applicants Need to Know! Melissa Nagelin, PhD	
7-8	SP.02 Cobalt 500 American Heart Association Research: Grant Funding and Other Opportunities Glenn H. Dillon, PhD	
8- 9 AM	Session 7 Sapphire BCFGJKNO Recent Advances in Hypertension The RESTORE Health Equity Research Network Moderator: Daichi Shimbo, MD AHA Health Equity Impact Goal Daichi Shimbo, MD Overview of the AHA RESTORE Health Equity Research Network Gbenga Ogedegbe, MD Social Determinants of Health and Hypertension Yvonne Commodore-Mensah, PhD, MHS, RN, FAHA Neighborhood Environment and Hypertension Phillip Levy, MD, MPH, FAHA, FACC Geographic Disparities in Hypertension Shakia Hardy, PhD Community Health Worker Interventions for Hypertension Chidinma A. Ibe, PhD	
9- 10	Session 8 Sapphire BCFGJKNO Recent Advances in Hypertension Worsening Trends in Blood Pressure Control in the US - Getting on Track at the Organizational, Community, and Policy Levels Sapphire BCFGJKNO Moderators: Cassandra Ford, PhD, RN, FAHA, FGSA and Jan Basile, MD, FAHA, FACP Worrisome Trends in Blood Pressure Control in the US Jan Basile, MD, FAHA, FACP Successful Health System Level Strategies Jeffrey Brettler, MD Leveraging Team-Based Care to Improve Blood Pressure Control Hilary K. Wall, MPH Use of Multi-faceted Evidence-based Treatment Protocols can Improve BP Control Brent M. Egan, MD, FAHA Lessons from Low-and Middle-Income Countries: Global Perspectives Andrew Moran, MD, MPH, FAHA	

10- 10:30	Break	
10:30 – 12	<p>Session 9 Sapphire BCFGJKNO Recent Advances in Hypertension Editing the Genome and Epigenome: Implications for Translational Medicine Sapphire BCFGJKNO Moderators: Silvia Medrano, PhD and Aron Geurts, PhD</p> <p>Deciphering the Human Genes Through Re-Engineering Human Genome Mazhar Adli, PhD</p> <p>Ultracompact CRISPR Proteins for <i>in vivo</i> Genome Editing Dimitrios G. Zisoulis, PhD</p> <p>Gene Delivery to the Kidney Matthew Wilson, MD</p>	
12- 1:30	<p>Lunch on your own/ Exhibits</p> <p>Session 10 Sapphire 400 Trainee Advocacy Committee CHAMP lunch <i>(Pre-Registered Only)</i></p>	
1:30 – 3:00	<p>POSTER SESSION 2 Sapphire AEIM</p>	<p>Session 11 Sapphire LP Primary Care Concurrent Secondary Drivers of Hypertension Moderators: Eugene Yang, MD and Sandra J. Taler MD, FAHA</p> <p>Chronic Kidney Disease and Hypertension: New Clinical Updates Deidra C. Crews, MD, ScM, FASN, MACP</p> <p>Prescription and Over the Counter Medications that Impact Blood Pressure John M. Flack MD, MPH, FASH, MACP, FAHA</p> <p>Connecting Sleep Health to Hypertension Control S. Justin Thomas, PhD, FSBSM</p> <p>Who and How to Evaluate for Primary Aldosteronism John W. Funder, MD, PhD</p>
3:00 -3:30	Break	

<p>3:30 – 5:30</p>	<p>Session 12 3:30- 4:00 Sapphire BCFGJKNO Arthur C. Corcoran Memorial Lecture</p> <p>Evolving Concepts of the Renin-Angiotensin System: From Hypertension to COVID-19 Mark C. Chappell, PhD, FAHA</p> <p>4:00 - 5:30 Session 12 (A, B and C) Concurrent Oral Abstracts</p> <p>Concurrent A: Sapphire 400 Prorenin Receptor Mechanisms Rising Star Lecture: Renin/Pro-Renin Receptor Nirupama Ramkumar MD, MPH, FAHA Oral Abstract Presentations</p> <p>Concurrent B Cobalt 500 The Vasculature and Hypertension</p> <p>Concurrent C Sapphire DH Neural Control Mechanisms of Blood Pressure Regulation</p>	<p>Session 12D Sapphire LP CPCS Concurrent Update on the Non-Pharmacologic Treatment of Hypertension Moderators: Naomi DL Fisher, MD, and D. Edmund Anstey, MD, MPH</p> <p>Treatment of Primary Aldosteronism Anand Vaidya, MD, MMSc</p> <p>Treatment of Sleep Apnea for Blood Pressure Control Ali Azarbarzin, PhD</p> <p>Exercise Training in a Sedentary World Alan L Hinderliter, MD, FAHA</p> <p>Update in Renal Sympathetic Denervation BP Lowering Effects Hypertension Sverre E. Kjeldsen, MD, Dr. med.</p> <p>Weight Loss: Bariatric and Metabolic Surgery Carlos Aurelio Schiavon</p> <p>Implementing Sodium Reduction in the Real World Sarah C. Couch, PhD, RDN</p>
<p>5:30- 6:45</p>	<p>Session 13 Sapphire BCFGJKNO Annual Hypertension Awards Session:</p> <p>The Stephanie Watts Career Development Award Allison E. Norlander, PhD John Henry Dasinger, PhD Noha M. Shawky, PhD, MSc</p> <p>The Harry Goldblatt Award for New Investigators Vascular Injury and Remodeling Prior to the Onset of Hypertension Camilla F. Wenceslau, PhD, MS, FAHA</p> <p>The Award for Patient-Oriented or Clinical Research in Hypertension SglT2 Inhibition Via Empagliflozin Improves Endothelial Function And Reduces Mitochondrial Oxidative Stress: Insights From Hypertensive And Diabetic Frail Elders Pasquale Mone</p> <p>The Award for Support of Underrepresented Minorities Non-canonical AT1R/b-arrestin2 Activation In Brain As A Regulator Of Blood Pressure Natalia M. Mathieu</p> <p>The New Investigator Award for Japanese Fellows Possible Differential Effects Of Angiotensin Receptor-neprilysin Inhibitor And Angiotensin Receptor Blocker Against Hypertension And Cardiorenal Injury In A Mouse Model Of Cardiorenal Syndrome Shunichiro Tsukamoto</p> <p>The High Blood Pressure Research Council of Australia Award Single-Cell Transcriptomic Profiling of the Hypertensive Mouse Aorta Tayla Hughes, PhD Candidate</p>	

7:00 – 11:00	Trainee Advocacy Mixer <i>(limited attendance)</i>	
FRIDAY, SEPT 9		
Time	Recent Advances/ Basic / TAC	Clinical/Primary
7:30-9:30	<p style="text-align: center;"> Session 14 7:30 - 8:00 Sapphire BCFGJKNO Donald Seldin Award Lecture Metabolic Cardiomyopathy in Chronic Kidney Disease Orson Moe, MD </p> <p style="text-align: center;"> Session 14 (A, B and C) 8:00 - 9:30 Concurrent Oral Abstracts </p> <p style="text-align: center;"> Concurrent A Sapphire 400 Neural Control Mechanisms Rising Star Lecture Angiotensin and the Brain Pablo Nakagawa, PhD Oral Abstract Presentations </p> <p style="text-align: center;"> Concurrent B Cobalt 500 Renal Mechanisms of Blood Pressure Control </p> <p style="text-align: center;"> Concurrent C Sapphire DH Chromatin, Transcriptomics and Gene- Gene Interactions </p>	<p style="text-align: center;"> Session 14D Sapphire LP CPCS Concurrent Update on Pharmacologic Interventions in Hypertension Moderators: Wanpen Vongpatanasin, MD and Angela L. Price, MD </p> <p style="text-align: center;"> Chlorthalidone in Chronic Kidney Disease Rajiv Agarwal, MD, MS Non-Steroidal Mineralocorticoid Receptor Antagonists Sadayoshi Ito, MD, PhD SGLT2 Inhibitors and GLP-1 Receptor Agonists: Role in Hypertension Control Wanpen Vongpatanasin, MD, FAHA Chronic Hypertension and Pregnancy (CHAP): Updates on Antihypertensive Medication and Outcomes Alan Thevenet N. Tita, MD, PhD Emerging Pharmacotherapy in Hypertension: Lessons Learned from Pharmacogenomics Arlene Chapman, MD </p>
9:30- 10:00	Break	

<p>10:00 – 12:00</p>	<p style="text-align: center;">Session 15 10:00 - 10:45 Sapphire BCFGJKNO Harriet Dustan Award Lectures:</p> <p>Renin Cells, From Vascular Development to Blood Pressure Sensing Maria Luisa Soledad Sequeira Lopez, MD, FAHA</p> <p>Blood Pressure Management, For Richer, and For Poorer Aletta E. Schutte, PhD</p> <p style="text-align: center;">Session 15 (A, B and C) 10:45 - 12:00 Concurrent Oral abstracts</p> <p style="text-align: center;">Concurrent A Sapphire 400 Hypertension & Cognition Rising Star Lecture Hypertension and Cognitive Impairment: A Closer Look at Neuroimmune Mechanisms Monica M. Santisteban, PhD Oral Abstract Presentations</p> <p style="text-align: center;">Concurrent B Cobalt 500 Sex Differences</p> <p style="text-align: center;">Concurrent C Sapphire DH Hypertension Through the Lifespan</p>	<p style="text-align: center;">Session 15D Sapphire LP CPCS Concurrent Population Health: Understanding Disparities and Achieving Health Equity in Hypertension Moderators: Chinelo Onyilofofor, MD, MPH and Hilary K. Wall, MPH</p> <p style="text-align: center;">Hypertension in Young Adults: Lessons from Coronary Artery Risk Development in Young Adults (CARDIA) and the Multi-Ethnic Study of Atherosclerosis (MESA) Yuichiro Yano, MD, PhD, FAHA</p> <p style="text-align: center;">Hypertension in Women: Lessons from the Women Health Initiative (WHI) Sylvia Wassertheil-Smoller, PhD, FAHA</p> <p style="text-align: center;">Hypertension in African Americans: Lessons from the Jackson Heart Study (JHS) Shakia Hardy, PhD, MPH</p> <p style="text-align: center;">High Blood Pressure in Children and Adolescents: Focus on the 2020 US Preventive Services Task Force Report Elaine M. Urbina, MD, MS, FAHA, FACC, FAAP</p> <p style="text-align: center;">Hypertension and Systems of Care: Rethinking Healthcare Delivery for Blood Pressure Control Brent M. Egan, MD, FAHA</p> <p style="text-align: center;">Polypill in Underserved Populations Thomas Wang, MD</p> <p style="text-align: center;">Advancing Equity in Hypertension Outcomes in the US: What Have We Achieved? Yvonne Commodore-Mensah, PhD, MHS, RN, FAHA</p>
<p>12- 1:30</p>	<p style="text-align: center;">Learning Studio Sapphire DH Pardon the Interruption: Women of Hypertension Time: 12:00 P.M. - 12:30 P.M. Speakers: Naomi Fisher, MD (Moderator), Cara East, MD, Raven Voora, M.D and Martha Gulati, MD Lunch included Sponsor: Medtronic</p> <p style="text-align: center;">Session 16 Sapphire 400 12:45-1:30 Meet the Journal Editors Networking event</p>	

<p>1:30 – 3:00</p>	<p>POSTER SESSION 3 Sapphire AIEM</p>	<p>Session 17 Sapphire LP CPC Case study session sponsored by <i>Hypertension journal</i> Moderators: Prof Rhian M. Touyz, MBBCh, PhD, FRCP, FRSE, FMedSci and Prof Aletta E. Schutte, PhD</p> <p>Case 1: Hypertension and an Incidental Neck Mass in a 20-year old Woman Presenters: Lisa Dubrofsky, MDCM, FRCPC, MAS, FASH, Paula Harvey, BMBS, PhD, FRACP</p> <p>Case 2: Post-COVID Baroreflex Failure Presenters: Khaled Elkholey MD Italo Biaggioni MD</p>
<p>3:00 -3:30</p>	<p>Break</p>	
<p>3:30 – 5:30</p>	<p>Session 18 3:30 - 4:30 Sapphire BCFGJKNO The COH Mid Career Award for Research Excellence Angiotensin in the Arcuate: Unlocking Neural Mechanisms Integrating Cardiometabolic Control in Health & Disease Justin L. Grobe, PhD, FAHA</p> <p>The KCVD Mid-Career Achievement Award New Insights Into Monogenic Hypertension from Mouse Models James McCormick, PhD, FAHA</p> <p>Session 18 (A, B and C) 4:30- 5:30 Concurrent Oral abstracts</p> <p>Concurrent A Sapphire 400 Blood Pressure Monitoring</p> <p>Concurrent B Cobalt 500 Renin-Angiotensin System</p> <p>Concurrent C Sapphire DH Timing is Everything: Rhythms and Blood Pressure Regulation</p>	<p>Session 18D Sapphire LP Primary Care Concurrent Strategies for Successful Hypertension Care in the Community Moderators: Yvonne Commodore-Mensah, PhD, MHS, RN, FAHA and Andrew Moran, MD, MPH, FAHA</p> <p>Best Practices in Implementing Team-Based Care for Blood Pressure Control Alison P. Smith, MPH, BA, BSN, RN</p> <p>Assessing and Addressing Disparities to Improve Blood Pressure Control Using Culturally Competent Approaches Meg Meador, MPH, C-PHI, CPHQ</p> <p>Insights from the National Hypertension Control Initiative Willie E. Lawrence Jr., MD, FAHA, FACC</p> <p>Use of Antihypertensive Medication Treatment Algorithms to Improve Blood Pressure Control Eric MacLaughlin, Pharm.D.</p> <p>Engaging Community Health Workers to Improve Hypertension Outcomes Chidinma A. Ibe, PhD</p>

<p>5:45 – 6:45</p>	<p style="text-align: center;">Session 19 Sapphire BCFGJKNO Excellence Award in Hypertension Research Lectures</p> <p style="text-align: center;">Preeclampsia: A Lesson in Integrative Physiology Joey P. Granger, PhD, FAHA</p> <p style="text-align: center;">Purines in the Cardiovascular System and Beyond Edwin K. Jackson, PhD, FAHA</p>
<p>7:30 – 10:30</p>	<p style="text-align: center;">HYPERTENSION AWARDS BANQUET EVENTS (RECEPTION, DINNER) <i>ticketed event</i></p> <p style="text-align: center;">Includes presentation of the Excellence Award Citations and the following awards:</p> <p style="text-align: center;">Irvine Page -Alva Bradley Lifetime Achievement Award Alicia McDonough, PhD, FAHA</p> <p style="text-align: center;">The Marvin Moser Clinical Hypertension Award Vesna Garovic, MD, PhD, FAHA</p>

SATURDAY, SEPT 10

Time	Recent Advances/ Basic / TAC	Clinical/Primary
<p>7:30-9:30 AM</p>	<p style="text-align: center;">Session 20 7:30 - 8:00 Sapphire BCFGJKNO The Lewis K Dahl Memorial Lecture</p> <p style="text-align: center;">Genetic and Epigenetic Mechanisms Regulating Blood Pressure and Kidney Dysfunction Kailash N. Pandey, PhD, FAHA</p> <p style="text-align: center;">Session 20 (A, B and C) 8:00 - 9:30 Oral Abstracts</p> <p style="text-align: center;">Concurrent A Sapphire 400 Renal Metabolism Rising Star Lecture: Lysine Metabolism Conveys Kidney Protection in Hypertension Oleg Palygin, MSc, PhD, FAHA Oral Abstract Presentations</p> <p style="text-align: center;">Concurrent B Cobalt 500 Mechanisms of Preeclampsia</p> <p style="text-align: center;">Concurrent C Sapphire DH Diabetes and Metabolic Syndrome</p>	<p style="text-align: center;">Session 20D Sapphire LP Primary Care Concurrent Non-Pharmacological and Pharmacological Treatments to Control Hypertension Moderators: Yvonne Commodore-Mensah, PhD, MHS, RN, FAHA and Stephen Juraschek, MD, PhD, FAHA</p> <p style="text-align: center;">Physical Activity and the Prevention and Control of Hypertension Kelley Pettee Gabriel, MS, Ph.D., FACSM, FAHA Dietary Interventions That Lower Blood Pressure Cheryl Anderson, PhD, MPH, FAHA Complementary and Alternative Approaches for Hypertension Anika Hines, PhD, MPH</p> <p style="text-align: center;">Medication Adherence and Hypertension Control: Highlights from the American Heart Association Scientific Statement Antoinette Schoenthaler, EdD FACH Deprescribing Antihypertensive Therapy James Sheppard, PhD, BSc, PGCert Strategies for Treatment Intensification to Achieve Hypertension Control Marc G. Jaffe, MD</p>
<p>9:30- 10:00</p>	<p style="text-align: center;">Break</p>	

<p>10:00 – 11:30</p>	<p>Session 21 (A, B and C) Oral Abstracts</p> <p>Concurrent A Sapphire 400 Receptors and Signal Transduction</p> <p>Concurrent Cobalt 500 Aldosterone and Angiotensin</p> <p>Concurrent C Sapphire LP Oxidative Stress and Immunity</p>	<p>Session 21D Sapphire LP Oral Abstracts Novel Population, Clinical, and Translational Findings in Hypertension Research</p>
<p>11:30</p>	<p>MEETING ADJOURNS</p>	