American Society of Hypertension, Inc.

2012 Annual Scientific Meeting and Exposition

PROGRAM AND REGISTRATION BOOK

HILTON NEW YORK | SATURDAY, MAY 19, 2012 THROUGH TUESDAY, MAY 22, 2012
Letter from the President and Program Committee Chair

Dear Colleague,

On behalf of the Board of Directors of the American Society of Hypertension, Inc. (ASH), we are pleased to welcome you and cordially invite you to join us at the Twenty-Seventh Annual Scientific Meeting and Exposition of ASH. The meeting will be held at the Hilton NY (6th and 53rd St.), May 19–22, 2012. The theme of this year’s Scientific Meeting is Hypertension and the Cardiovascular System.

The 2012 Annual Scientific meeting topics are organized around three (3) concurrent themes:

- **Translational Issues in Hypertension**
- **Therapy of Hypertension**
- **Pathobiology of Hypertension**

The Scientific Sessions feature several innovative components designed to enhance the translation of basic and applied research into effective hypertension prevention and treatment strategies.

- **Hypertension Highlights 2012 – Saturday, May 19, 2012**
  Hypertension Highlights is a full-day program dedicated to educating clinicians and scientists about some of the most interesting, controversial and evolving topics in the field. It is an ideal update for Hypertension Specialists and those wishing to become specialists in the field.

- **Plenary Session I – Sunday, May 20, 2012**
  The **Keynote speaker** for the opening session will be **Richard C. Becker, MD**, Professor of Medicine, Divisions of Cardiovascular Medicine and Hematology, Duke University School of Medicine, Director, Duke Cardiovascular Thrombosis Center, Duke Clinical Research Institute, Durham, NC. Dr. Becker will speak about the “Development of Anti-thrombotic Therapies in Cardiovascular Medicine.” Following Dr. Becker’s lecture will be Dr. John Burnett, Marriott Family Professor of Cardiovascular Research, Mayo Clinic College of Medicine, Mayo Heart and Lung Research Center Director, Mayo Clinic, Rochester, MN presenting a lecture on “Designer Natriuretic Peptides.” Dr. Ravi Thadhani, Director of Clinical Research in Nephrology at the Massachusetts General Hospital and Associate Professor of Medicine at Harvard Medical School, Boston, MA will present a lecture on “Vitamin D Sterols, Hypertension and Renal Disease” and Dr. Marc Sabatine, Associate Physician, Division of Cardiovascular Medicine, Brigham and Women’s Hospital, Assistant Professor of Medicine, Harvard Medical School, Boston, will address the topic of “Clinical Benefits of New Anti-thrombotic Therapies from a Trialist’s Perspective.”

- **Plenary Session II – Monday, May 21, 2012**
  The **ASH Distinguished Scientist Award**, Young Scholar Award and Marvin Moser Clinical Hypertension Award will be presented in Plenary Session II - the ASH Awards Session.

- **Young Investigator-in-Training Abstract Competition – Saturday, May 19, 2012**
  Trainees submitting the highest ranking abstracts to the meeting will present their work orally in a special session and compete for cash prizes. This highlighted session is consistent with ASH’s goal to foster and facilitate the training of young and new investigators in hypertension.

- **Hypertension for the Primary Care Clinician – Sunday, May 20, 2012**
  This program will address commonplace questions that face clinicians in day-to-day care of hypertension including peri-operative hypertension management, clinical partners in ambulatory care management of hypertension and the resistant hypertensive patient.

- **Debates – Saturday, May 19 – Monday, May 21, 2012**
  This year there are five debates on controversial topics of relevance to Hypertension Specialists:
  - **Debate Topics**
    - Hypertension is Not a Cause of Chronic Kidney Disease
    - Jeffrey B. Kopp, MD, Bethesda, MD and Anil K. Bidani, MD, FASH, Maywood, IL
    - There Should be Regulatory Steps to Reduce Salt Intake to Lower the Burden of Cardiovascular Disease
    - Graham MacGregor, MD, London, United Kingdom and Jan A. Staessen, MD, PhD, Leuven, Belgium
    - The Evidence Supports a Systolic Target of 140 mmHg
    - William C. Cushman, MD, FASH, Memphis, TN and Henry R. Black, MD, FASH, New York, NY
    - Blood Pressure in Hemodialysis Patients should be Aggressively Lowered
    - Rajiv Agarwal, MD, FASH, Indianapolis, IN and Kamyar Kalantar Zadeh, MD, MPH, Torrance, CA
    - Biomarkers Should be Used in Screening Patients with Hypertension
    - Domenic A. Sica, MD, Richmond, VA and Ramachandran S. Vasan, MD, Framingham, MA
  - **Joint Society Symposia**
    - Interactions with other societies, both national and international, focused on the topic of hypertension and cardiovascular disease risk will be covered. For 2012 the Joint Society Sessions include: The AHA Council for High Blood Pressure Research (HBPR), the Association for Research into Arterial Structure and Physiology (ARTERY), the British Hypertension Society (BHS) the China Social Worker’s Association Vascular Protection Committee, the European Society of Hypertension (ESH), the International Society on Hypertension in Blacks (ISHIB), the Preventive Cardiovascular Nurses Association (PCNA) and the Safety Pharmacology Society (SPS).

  The Society will also sponsor a small number of industry-supported Satellite Symposia which will introduce novel approaches to antihypertensive therapy. The Pavilion will host many informative scientific, technical, periodical and book exhibits designed to support you in your mission of providing the latest in care for your hypertensive patients.

We look forward to seeing you in New York.

Sincerely,

George L. Bakris, MD, FASH
President, 2010 – 2012

William B. White, MD, FASH
Chair, 2012 Scientific Program Committee
American Society of Hypertension
2012 Annual Scientific Meeting and Exposition

About The American Society of Hypertension, Inc.

The American Society of Hypertension, Inc., (ASH) is the largest organization of hypertension researchers and health care providers in the United States committed to eliminating hypertension and its consequences. ASH has a domestic and international membership of basic science and clinical investigators, physicians, physician assistants, nurse practitioners and pharmacists, as well as other individuals with a scientific interest in hypertension.

The primary mission of the Society is to improve the care of patients with hypertension and associated disorders by:

- **Enhancing** the education and treatment of patients with hypertension
- **Educating** health care professionals regarding hypertension and current prevention and treatment strategies
- **Assisting** health care professionals in addressing the challenges of the modern-day care of patients with hypertension
- **Advocating** public policy that ensures patient access to high quality hypertension care and supports increased hypertension research
- **Facilitating** communication and collaboration among providers, investigators, policymakers, and patients in areas relating to hypertension and vascular health
- **Promoting** the career development of researchers in hypertension and associated disorders, including research in the pathobiology, prevention, diagnosis, treatment, and psychosocial aspects of hypertension

The American Society of Hypertension, Inc. is an accredited provider of Continuing Medical Education (CME) by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

For more information contact the American Society of Hypertension, Inc. at:

American Society of Hypertension, Inc.
148 Madison Avenue, Fifth Floor
New York, NY 10016
Telephone: 212-696-9099
Fax: 212-696-0711
E-mail: ash@ash-us.org
Website: www.ash-us.org

Past Presidents of the American Society of Hypertension, Inc.

<table>
<thead>
<tr>
<th>Name</th>
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<tr>
<td>John H. Laragh, MD</td>
<td>First President</td>
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<tr>
<td>Edward G. Biglieri, MD</td>
<td>President 1988 – 1990</td>
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<tr>
<td>Jay N. Cohn, MD</td>
<td>President 1990 – 1992</td>
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<tr>
<td>Louis Tobian, MD</td>
<td>President 1992 – 1994</td>
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<td>Barry M. Brenner, MD</td>
<td>President 1994 – 1995</td>
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<td>Lawrence R. Krakoff, MD</td>
<td>President 1995 – 1996</td>
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<td>Michael H. Alderman, MD</td>
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<td>Theodore W. Kurtz, MD</td>
<td>President 2000 – 2002</td>
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<td>Haralampos Gavras, MD</td>
<td>President 2002 – 2004</td>
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<td>Thomas D. Giles, MD</td>
<td>President 2004 – 2006</td>
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<tr>
<td>Jean E. Sealey, DSc</td>
<td>President May 19, 2006</td>
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<tr>
<td>Suzanne Oparil, MD</td>
<td>President 2006 – 2008</td>
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<td>Henry R. Black, MD</td>
<td>President 2008 – 2010</td>
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### 2012 Scientific Program Committee

**George L. Bakris, MD, FASH, President**
**William B. White, MD, FASH, Chair**

#### Pathobiology of Hypertension

- Richard J. Johnson, MD, Co-Chair
- John C. Burnett, Jr., MD
- Luis A. Juncos, MD
- Peter F. Wilson, MD
- Alejandro R. Chade, MD
- David M. Pollock, PhD
- Gregory D. Fink, PhD
- Christopher S. Wilcox, MD, PhD

#### Translational Issues in Hypertension

- Vasilios Papademetriou, MD, FASH, Co-Chair
- Rajiv Agarwal, MD, FASH
- Daniel T. Lackland, DrPH, FASH
- Vasilios Papademetriou, MD, FASH
- Gary V. Desir, MD
- Bertram Pitt, MD
- Daniel Duprez, MD, PhD FASH
- Elaine M. Urbina, MD, MS, FASH

#### Therapy of Hypertension

- Raymond R. Townsend, MD, FASH, Co-Chair
- Douglas A. Blowey, MD
- Jeffrey W. Olin, DO
- Jackson T. Wright, Jr., MD, PhD, FASH
- Michael Gutkin, MD
- Sandra J. Taler, MD, FASH
- Costantino Iadecola, MD
- James A. Underberg, MD, MS, FASH

#### Primary Care

- Jan N. Basile, MD, FASH and Domenic A. Sica, MD, Chairs
- Jerry G. Back, MD, FASH
- Anthony J. Viera, MD, MPH
- William J. Elliott, MD, PhD, FASH
- Louis Kuritzky, MD

### ASH 2012 Important Dates*

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<th>Event</th>
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<td>January 16 – March 16, 2012</td>
<td>ASH Fellowship Program Accepting Applications</td>
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<td>March 8, 2012</td>
<td>Late-Breaking Abstract Submission Deadline</td>
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<td>March 31, 2012</td>
<td>ASH Specialist Examination Application Deadline</td>
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<td>April 4, 2012</td>
<td>Advance Registration and Housing Deadline</td>
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<td>April 27, 2012</td>
<td>Housing Cancellation Deadline</td>
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<td>April 27, 2012</td>
<td>Registration Cancellation Deadline</td>
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<td>May 12 – 26, 2012</td>
<td>ASH Specialist Program 2012 Clinical Hypertension Examination Testing Period</td>
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<td>May 19 – 22, 2012</td>
<td>ASH 27th Annual Scientific Meeting and Exposition</td>
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<td>May 19, 2012</td>
<td>Hypertension Highlights 2012</td>
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<tr>
<td>May 20, 2012</td>
<td>Hypertension for the Primary Care Clinician Curriculum</td>
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*See ASH website for more information, www.ash-us.org
Education

Program Objectives
In keeping with the purpose of the American Society of Hypertension, Inc. (ASH), the Twenty-Seventh Annual Scientific Meeting is designed to encourage and promote the development, advancement, and exchange of fair and balanced information regarding the research, diagnosis and treatment of hypertension and related cardiovascular diseases with improved patient care and wellness outcomes as the underlying theme. The sessions will...

• Present and examine new findings on the physiology, pathophysiology, epidemiology, diagnosis, and management of hypertension and related conditions
• Review current state-of-the-art advances in managing particular groups of patients
• Evaluate specific treatment modalities and pharmacological agents

Target Audience
Physicians, scientists, pharmacists, physician assistants, nurses and other health care professionals with an interest in the mechanisms or management of hypertension and related diseases will benefit from attending Plenary Sessions, Symposia, Debates, Joint Sessions, Poster Sessions, and the Scientific Exposition.

Continuing Education Credit
The American Society of Hypertension, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The American Society of Hypertension, Inc. designates this educational activity for a maximum of 30 AMA PRA Category 1 Credits™. Each physician should claim credit commensurate with the extent of their participation in the activity.
General Information

Meeting Venue
Headquarters
Hotel
Hilton NY
1335 Avenue of the Americas
New York, NY 10019
Phone: 1-212-586-7000
Fax: 1-212-315-1374

Hotel Reservations
Sleeping Room Rate – $276 plus local and state tax
Make your hotel reservations using the ASH website – www.ash-us.org. Click onto the housing link and that will take you into the Hilton NY reservation system. You will receive ASH Annual Meeting Rates.

All guests staying at the Hilton NY in the ASH block will receive complimentary internet access in the room.

Registration for the ASH Annual Meeting

International Registrants
ASH strongly advises participants to determine their individual visa requirements. Individuals traveling to the United States from other countries require a passport and in some cases, a visitor’s visa. Please check with your travel agent, airline or local embassy/consulate at least four (4) months before the meeting. A visa may take 8-12 weeks to be processed.

ASH’s registration agent will provide letters of invitation for visa purposes by request. A Letter of Invitation is meant to help attendees obtain a visa and is not a commitment on the part of the organizers to provide any financial support. The decision to grant a visa belongs solely to the embassy/consulate. ASH cannot change the decision of the government agency.

Travel to the ASH Annual Meeting
New York is easily accessible from any city in the US or abroad via the John F. Kennedy International Airport, Newark Liberty International Airport and LaGuardia Airport. Once in the city, take the MTA subway and bus to negotiate your way around – whether you want to go to Chelsea, the Upper East Side, Broadway, Lincoln Center, or to Little Italy and Chinatown. There is so much to see and do just a subway ride away.

Climate
New York’s weather is very seasonal. In January through March, temperatures stay around 30 degrees F. Snowfalls are not unusual; in fact, the city has experienced a few “blizzards” over time. April and May escort in the tulips and daffodils with temperatures ranging from 40 to 50 degrees but it can hit 70 degrees F.
Program Information

Hypertension Highlights 2012
Hypertension Highlights is a full-day program dedicated to educating clinicians and scientists about some of the most interesting, controversial and evolving topics in the field. The program includes state-of-the-art presentations on the artery, the kidney and the heart. It is an ideal update for Hypertension Specialists and those wishing to become specialists in the field.
Saturday, May 19, 2012 7:30 AM to 3:00 PM

ASH Plenary Sessions
Plenary Sessions feature engaging lectures by keynote speakers. The topics are of broad general interest.
Sunday, May 20, 2012 1:00 PM to 3:30 PM
Monday, May 21, 2012 1:30 PM to 3:30 PM

ASH Scientific Sessions
The Scientific Sessions will address basic and clinical science issues over a wide range of topics.
Saturday, May 19, 2012 4:00 PM to 5:30 PM
Sunday, May 20, 2012 9:45 AM to 11:30 AM
3:45 PM to 5:30 PM
Monday, May 21, 2012 8:00 AM to 10:00 AM
10:30 AM to 12:00 PM
Tuesday, May 22, 2012 7:45 AM to 9:15 AM
10:00 AM to 11:30 AM

Hypertension for the Primary Care Clinician
The Hypertension for the Primary Care Clinician program will address commonplace questions that face clinicians in day-to-day care of hypertension.
Sunday, May 20, 2012 7:30 AM to 12:30 PM

Joint Sessions
Special Sessions jointly sponsored by Society-related organizations will enrich the knowledge base and foster new interactions between attendees.
Saturday, May 19, 2012 4:00 PM to 5:30 PM
Sunday, May 20, 2012 8:00 AM to 9:30 AM
Monday, May 21, 2012 3:45 PM to 5:15 PM
Tuesday, May 22, 2012 10:00 AM to 11:30 AM

How-To Sessions
Distinguished faculty will provide valuable instructions on topics important to your practice.
Attendees will be admitted on a first-come, first-served basis.
Monday, May 21, 2012 5:30 PM to 6:30 PM

Clinical Debates
Clinical Debates will provide for lively discussion on controversial topics.
Saturday, May 19, 2012 4:00 PM to 5:00 PM
Sunday, May 20, 2012 8:00 AM to 9:00 AM
Monday, May 21, 2012 4:15 PM to 5:15 PM

Abstract Presentations
Authors will showcase their research in oral or poster format.
Saturday, May 19, 2012 5:45 PM to 6:45 PM
Sunday, May 20, 2012 5:45 PM to 6:45 PM
Monday, May 21, 2012 5:30 PM to 6:30 PM
Technical Exhibits

Technical Exhibits will be located in the Hypertension Resource Pavilion at the Hilton NY. ASH will host a welcome reception, lunches, and high teas in the exhibit hall.

- Saturday, May 21, 2012
  - Opening Reception: 4:00 PM to 7:00 PM
  - Opening Reception: 5:45 PM to 7:00 PM
- Sunday, May 22, 2012
  - High Tea: 10:30 AM to 12:55 PM
  - High Tea: 5:45 PM to 6:45 PM
- Monday, May 23, 2012
  - High Tea: 10:00 AM to 1:30 PM
  - High Tea: 5:30 PM to 6:30 PM

Innovations Theater

- Saturday, May 21, 2012
  - 5:45 PM to 6:45 PM
- Sunday, May 22, 2012
  - 11:45 AM to 12:45 PM
  - 5:45 PM to 6:30 PM
- Monday, May 23, 2012
  - 12:15 PM to 1:15 PM
2012 ASH Faculty

Rajiv Agarwal, MD, FASH
Indianapolis, IN

Walter T. Ambrosius, PhD
Winston-Salem, NC

Lawrence J. Appel, MD, MPH, FASH
Baltimore, MD

Nancy T. Artinian, PhD, RN
Detroit, MI

Phyllis August, MD, MPH
New York, NY

Jerry G. Back, MD, FASH
Ladson, SC

George L. Bakris, MD, FASH
Chicago, IL

David P. Basile, PhD
Indianapolis, IN

Jan N. Basile, MD, FASH
Charleston, SC

Marcus Baumann, MD
Munich, Germany

Richard C. Becker, MD
Durham, NC

Jeffrey S. Berger, MD, MS
New York, NY

Jeffrey S. Berns, MD
Philadelphia, PA

Kenneth E. Bernstein, MD
Los Angeles, CA

Suzanne M. Bertisch, MD
Boston, MA

Anil K. Bidani, MD, FASH
Maywood, IL

John D. Bisognano, MD, PhD, FASH
Rochester, NY

Henry R. Black, MD, FASH
New York, NY

Veita J. Bland, MD, FASH
Greensboro, NC

Michael J. Bloch, MD, FASH
Reno, NV

Jeffrey S. Borer, MD
New York, NY

John C. Burnett, Jr., MD
Rochester, MN

David A. Calhoun, MD
Birmingham, AL

Robert M. Carey, MD
Charlottesville, VA

Barry L. Carter, PharmD, FASH
Iowa City, IA

Alejandro R. Chade, MD
Jackson, MS

Wiley V. Chan, MD
Portland, OR

Alfred K. Cheung, MD
Salt Lake City, UT

Marilyn J. Cipolla, PhD
Burlington, VT

Debbie L. Cohen, MD
Philadelphia, PA

Lola Coke, PhD, ACNS-BC
Chicago, IL

William C. Cushman, MD, FASH
Memphis, TN

R. Garret Cynar, MD
Dallas, TX

Alexandre A. da Silva, PhD
Jackson, MS

Prakash C. Deedwania, MD, FASH
Fresno, CA

Cheryl Dennison, PhD, RN, ANP
Baltimore, MD

Gary V. Desir, MD
New Haven, CT

Richard B. Devereaux, MD
New York, NY

Javier Diez, MD, PhD
Pamplona, Spain

Michael N. Doumas, MD
Thessaloniki, Greece

Daniel Duprez, MD, PhD, FASH
Minneapolis, MN

Lance D. Dworkin, MD
Providence, RI

Brent M. Egan, MD, FASH
Charleston, SC

Paula T. Einhorn, MD, MS
Bethesda, MD

Patrick T. Ellinor, MD
Boston, MA

William J. Elliott, MD, PhD, FASH
Yakima, WA

Murray Epstein, MD
Miami, FL

Keith C. Ferdinand, MD, FASH
Atlanta, GA

Gregory D. Fink, PhD
East Lansing, MI

Stanley S. Franklin, MD, FASH
Los Angeles, CA

Vesna D. Garovic, MD
Rochester, MN

F. Wilford Germino, MD, FASH
Orland Park, IL

Thomas D. Giles, MD, FASH
New Orleans, LA

Philip B. Gorelick, MD, MPH
Grand Rapids, MI

Alan H. Gradman, MD, FASH
Pittsburgh, PA

Martha Gulati, MD, MS
Chicago, IL

Michael Gutkin, MD
Livingston, NJ

John E. Hall, PhD
Jackson, MS

Joel Handler, MD, FASH
Anaheim, CA

David G. Harrison, MD
Nashville, TN

Anthony M. Heagerty, MD
Manchester, United Kingdom

Martha N. Hill, RN, PhD
Baltimore, MD

Norman K. Hollenberg, MD, PhD
Boston, MA

David J. Hyman, MD, MPH
Houston, TX

Costantino Iadecola, MD
New York, NY

Iris Z. Jaffe, MD, PhD
Boston, MA

José Jalife, MD
Ann Arbor, MI

Karen C. Johnson, MD, MPH
Memphis, TN

Richard J. Johnson, MD
Denver, CO

Stevo Julius, MD, ScD
Ann Arbor, MI

Kamyar Kalantar-Zadeh, MD, MPH, PhD
Torrance, CA

Norman M. Kaplan, MD
Dallas, TX

S. Ananth Karumanchi, MD
Boston, MA

Jeffrey B. Kopp, MD
Bethesda, MD

Peter R. Kowey, MD
Wynnewood, PA
10:30 AM – 12:30 PM
Part II: The Kidney
Co-Chairs: Rajiv Agarwal, MD, FASH, Indianapolis, IN and Aldo J. Peixoto, MD, FASH, West Haven, CT
10:30 AM Blood Pressure Monitoring in Chronic Kidney Disease
Aldo J. Peixoto, MD, FASH
11:00 AM Hypertension in Solid Organ Transplant Recipients
Titte R. Srinivas, MD, Cleveland, OH
11:30 AM Erythrocyte Stimulating Agents, Blood Pressure and Cardiovascular Risk
Jeffrey S. Berns, MD, Philadelphia, PA
12:00 PM Moderated Panel Discussion
12:30 PM Lunch

4:00 PM – 5:40 PM
New Paradigms in Hypertension Pathophysiology: Clinical Implications
Held in Partnership with the American Heart Association’s Council for High Blood Pressure Research (HBPR)
Chairs: Gregory D. Fink, PhD, East Lansing, MI and Rhian M. Touyz MD, PhD, Glasgow, United Kingdom
4:00 PM Introduction
Rhian Touyz, MD, PhD
4:05 PM RAS—Beyond Hypertension
Kenneth E. Bernstein, MD, Los Angeles, CA
4:45 PM Mineralocorticoid Receptors, Vessels and Hypertension
Iris Z. Jaffe, MD, PhD, Boston, MA
2012 ASH Program, Saturday, May 19

5:05 PM  Autoimmune Origins of Hypertension
Michael J. Ryan, PhD, Jackson, MS

5:25 PM  Conclusions
Gregory D. Fink, PhD

4:00 PM – 5:30 PM
Young Investigator-in-Training Abstract Competition

4:00 PM – 5:30 PM
Strategies to Facilitate Blood Pressure Control
Held in Partnership with the Preventive Cardiovascular Nurses Association (PCNA)
Co-Chairs: Nancy T. Artinian, PhD, RN, Detroit, MI and Nancy Houston Miller, RN, BSN, Palo Alto, CA
4:00 PM  Lifestyle Counseling for Blood Pressure Control in 10 Minutes or Less
Nancy T. Artinian, PhD, RN
4:20 PM  The Need to Ask About Adherence
Cheryl Dennison, PhD, RN, ANP, Baltimore, MD
4:40 PM  Motivational Interviewing: Negotiating for Behavior Change
Lola Coke, PhD, ACNS-BS, Chicago, IL
5:00 PM  Care Coordination: The Medical Home
Jane E. Nelson-Worel, MS, APNP, Madison, WI

4:00 PM – 5:40 PM
ASH/The 4th American Society of Hypertension/China Social Worker’s Association Vascular Protection Committee Session on Early Vascular Disease Detection and Management: Experience from China
Co-Chairs: Suzanne Oparil, MD, FASH, Birmingham, AL and Hongyu Wang, MD, PhD, Beijing, China
4:00 PM  Early Vascular Disease Detection in Chinese Population
Hongyu Wang, MD, PhD, Beijing, China

4:00 PM – 5:00 PM
Pathobiology Debate
Hypertension is Not a Cause of Chronic Kidney Disease
Moderator: Murray Epstein, MD, Miami, FL
Protagonist: Jeffrey B. Kopp, MD, Bethesda, MD
Antagonist: Anil K. Bidani, MD, FASH, Maywood, IL

4:00 PM – 5:30 PM
Gender and Hypertension
Co-Chairs: Phyllis August, MD, MPH, New York, NY and David M. Pollock, PhD, Augusta, GA
4:00 PM  Gender Differences in Hypertension
Jennifer C. Sullivan, PhD, Augusta, GA
4:30 PM  Mechanisms of Pre-eclampsia
S. Ananth Karumanchi, MD, Boston, MA
5:00 PM  Impact of Gender on Drug Disposition and Blood Pressure Control
Domenic A. Sica, MD, Richmond, VA

4:00 PM – 7:00 PM
Hypertension Resource Pavilion Opens

5:45 PM – 6:45 PM
Poster Viewing

5:45 PM – 7:00 PM
Opening Reception
# 2012 ASH Program at a Glance

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<th>Translational</th>
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<th>Joint Sessions</th>
<th>Debates/How-To Sessions</th>
<th>Innovations Theater</th>
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<td>Hypertension Highlights: Full Day program dedicated to educating clinicians and scientists about some of the most interesting, controversial and evolving topics in the field.</td>
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<td>7:30 AM to 3:00 PM</td>
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<td>Joint Session – American Heart Association’s Council for High Blood Pressure Research</td>
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<td>Gender and Hypertension</td>
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<td>Joint Session – Preventive Cardiology Nurses Association</td>
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<td>Pathobiology Debate – Hypertension is Not a Cause of Chronic Kidney Disease</td>
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<td>Opening Reception – Hypertension Resource Pavilion</td>
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<td><strong>Sunday, May 20, 2012</strong></td>
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<td>Hypertension Resource Pavilion Hours – 10:30 AM to 12:30 PM and 3:30 PM to 6:45 PM</td>
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<td>7:30 AM to 3:00 PM</td>
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<td>Hypertension for the Primary Care Clinician 2012: Addresses commonplace questions that face clinicians in day to day care of patients with hypertension</td>
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<td>Joint Session – Association for Research into Arterial Structure and Physiology</td>
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<td>9:45 AM to 11:30 AM</td>
<td>Diastolic Function of the Heart</td>
<td>Renal Sympathetic Neurons, Hypertension, and the Cardiovascular Disease</td>
<td>The Brain as the Target of Hypertension</td>
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<td>Renovascular Hypertension</td>
<td>Advanced Glycation End Products in Hypertension and Diabetes</td>
<td>Models for Improvement of Blood Pressure Control</td>
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<td>Monday, May 21, 2012 6:00 AM to 7:30 AM</td>
<td>Obesity and Hypertension, Cardiac Fibrosis, Peripheral Vascular Disease</td>
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<td>Monday, May 21, 2012 8:00 AM to 10:00 AM</td>
<td>Mechanisms of Drug-Induced Hypertension, Renal and Adrenal Mechanisms in Hypertension, Hypertension and the Heart</td>
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<td>Monday, May 21, 2012 12:15 PM to 1:15 PM</td>
<td>Joint Session – European Society of Hypertension, Joint Session – British Hypertension Society</td>
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<td>Monday, May 21, 2012 1:30 PM to 3:30 PM</td>
<td>Plenary Session II: Awards Sessions</td>
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<td>Monday, May 21, 2012 5:30 PM to 6:30 PM</td>
<td>Debate 1: Blood Pressure in Hemodialysis Patients Should Be Aggressively Lowered</td>
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<td>Tuesday, May 22, 2012 7:45 AM to 9:15 AM</td>
<td>Late-Breaking Clinical Trials</td>
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<td>Tuesday, May 22, 2012 9:15 AM to 9:55 AM</td>
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<td>Tuesday, May 22, 2012 10:00 AM to 11:30 AM</td>
<td>Basic Renal Mechanisms of Hypertension, Hypertension in Pregnancy, Non-Drug Therapy for Hypertension</td>
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**Notes:**
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2012 ASH Program, **Sunday, May 20**

**Sunday, May 20, 2012: 7:30 AM – 12:30 PM**

**Hypertension for the Primary Care Clinician 2012**

7:30 AM – 12:30 PM

7:30 AM  **Welcome, Introductions and Logistics**  
Jan N. Basile, MD, FASH, Charleston, SC and Domenic A. Sica, MD, Richmond, VA

7:40 AM – 8:30 AM  **Theme I: The ASH Position Papers-Key Points**

7:40 AM  **When and How to Use Home and Ambulatory BP Monitoring**  
William B. White, MD, FASH, Farmington, CT

7:50 AM  **Dietary Approaches to Lower Blood Pressure**  
Lawrence J. Appel, MD, MPH, FASH, Baltimore, MD

8:00 AM  **Adherence and Persistence with Taking Medication to Control Blood Pressure**  
Martha N. Hill, RN, PhD, Baltimore, MD

8:10 AM  **Combination Therapy in Hypertension**  
Alan H. Gradman, MD, FASH, Pittsburgh, PA

8:20 AM  **Hypertension in Pregnancy**  
Sandra J. Taler, MD, FASH, Rochester, MN

8:30 AM – 9:45 AM  **Theme II: Secondary Causes of Hypertension: An Update**

Co-Chairs: Michael J. Bloch, MD, FASH, Reno, NV and F. Wilford Germino, MD, FASH, Orland Park, IL

8:30 AM  **When to Consider Secondary Causes of Hypertension**  
Anthony J. Viera, MD, MPH, Chapel Hill, NC

8:50 AM  **Adrenal Causes of Secondary Hypertension-Pheochromocytoma and Aldosteronoma**  
Robert M. Carey, MD, Charlottesville, VA

9:10 AM  **Renovascular Hypertension**  
Stephen C. Textor, MD, FASH, Rochester, MN

9:20 AM  **Obstructive Sleep Apnea**  
R. Garret Cynar, MD, Dallas, TX

9:30 AM  **Panel Discussion**

9:45 AM  **Break**

10:00 AM – 10:50 AM  **Theme III: Blood Pressure in the Extremes of Age: An Update**

Co-Chairs: Jerry G. Back, MD, FASH, Ladson, SC and Louis Kuritzky, MD, Gainesville, FL

10:00 AM  **Update on Blood Pressure in Children and Adolescents**  
Joshua A. Samuels, MD, Houston, TX

10:20 AM  **Update on Blood Pressure in Older Persons**  
Stanley S. Franklin, MD, FASH, Los Angeles, CA

10:40 AM  **Panel Discussion**

10:50 AM – 12:00 PM  **Theme IV: Evidence-Based Goals/Examining Class Effect**

Co-Chairs: Veita J. Bland, MD, FASH, Greensboro, NC and Joel Handler, MD, FASH, Anaheim, CA

10:50 AM  **What Should Be the Goal Blood Pressure in Special Populations with Hypertension? Diabetes, Chronic Kidney Disease, Coronary Artery Disease, Heart Failure**  
William C. Cushman, MD, FASH, Memphis, TN

11:20 AM  **Antihypertensive Drugs: Is there a Best/Worst in Each Class?**  
William J. Elliott, MD, PhD, FASH, Yakima, WA

11:50 AM – 12:30 PM  **Theme V: Quality Improvement and Blood Pressure Control: The 5 Things You May Not Be Doing but Ought to Consider**

Co-Chairs: Gbenga Ogbedege, MD, MPH, MS, FASH, New York, NY and Steven A. Yarows, MD, FASH, Chelsea, MI

11:50 AM  **From a Physician’s Perspective**  
Brent M. Egan, MD, FASH, Charleston, SC

12:00 PM  **From a Nurse Practitioner’s Perspective**  
Nancy Houston Miller, RN, BSN, Palo Alto, CA

12:10 PM  **From a Pharmacist’s Perspective**  
Barry L. Carter, PharmD, FASH, Iowa City, IA

12:20 PM  **Audience Votes and Discussion**
2012 ASH Program, Sunday, May 20

8:00 AM – 9:30 AM
ASH/Association of Research into Arterial Structure and Physiology (ARTERY) Joint Session

8:00 AM – 9:30 AM
The Systolic Blood Pressure Intervention Trial (SPRINT): Evidence Basis for Blood Pressure Targets
Co-Chairs: Robert A. Phillips, MD, PhD, FASH, Worcester, MA and Jackson T. Wright, MD, PhD, FASH, Cleveland, OH
8:00 AM Rationale for Trial of Systolic Blood Pressure Goals, Including Individuals Over Age 75
Karen C. Johnson, MD, MPH, Memphis, TN
8:20 AM Main Trial Design and Trial Status
Walter T. Ambrosius, PhD, Winston-Salem, NC
8:40 AM SPRINT-MIND Rationale and Design
Jeff D. Williamson, MD, Winston-Salem, NC
9:00 AM Justification for Chronic Kidney Disease Subgroup in SPRINT
Alfred K. Cheung, MD, Salt Lake City, UT

8:00 AM – 9:00 AM
Translational Debate

There Should be Regulatory Steps to Reduce Salt Intake to Lower the Burden of Cardiovascular Disease
Moderator: Frans H. Messerli, MD, FASH, New York NY
Protagonist: Graham MacGregor, MD, London, United Kingdom
Antagonist: Jan A. Staessen, MD, PhD, Leuven, Belgium

10:30 AM – 12:55 PM and 3:30 PM – 6:45 PM
Hypertension Resource Pavilion Open
11:45 AM – 12:55 PM
Lunch

9:45 AM – 11:30 AM
Pathobiology Track Session

Diastolic Function of the Heart
Co-Chairs: Prakash C. Deedwania, MD, FASH, Fresno, CA and Bertram Pitt, MD, Ann Arbor, MI
9:45 AM How Does the Vasculature Impact Myocardial Structure and Function?
David G. Harrison, MD, Nashville, TN
10:05 AM Hypertensive Heart Disease Extracellular Matrix Effects
Francis G. Spinale, MD, PhD, Columbia, SC
10:25 AM Cardiotonic Steroids and Cardiac Remodeling
Joseph I. Shapiro, MD, Toledo, OH
10:45 AM Original Communications

9:45 AM – 11:30 AM
Translational Track Session

Renal Sympathetic Nerves, Hypertension, and Cardiovascular Disease
Co-Chairs: George L. Bakris, MD, FASH, Chicago, IL and Gregory D. Fink, PhD, East Lansing, MI
9:45 AM Sympathetic Nervous System and Cardiovascular Outcomes
Stevo Julius, MD, ScD, Ann Arbor, MI
10:05 AM Role of Sympathetic Fibers on Renal Function
Gary V. Desir, MD, New Haven, CT
10:25 AM Renal Denervation for Resistant Hypertension
Henry Krum, PhD, MBBS, Melbourne, Australia
10:45 AM Original Communications
The Brain as the Target of Hypertension
Co-Chairs: Costantino Iadecola, MD, New York, NY and C. Venkata S. Ram, MD, FASH, Dallas, TX
9:45 AM The Brain as the Target of Hypertension
Marilyn J. Cipolla, PhD, Burlington, VT
10:05 AM Effect of Hypertension on the Cerebral Circulation and Cognition
Philip B. Gorelick, MD, MPH, Grand Rapids, MI
10:25 AM Hypertension Management During Acute Stroke
Lewis B. Morgenstern, MD, Ann Arbor, MI
10:45 AM Original Communications

Pathobiology Track Session
Renovascular Hypertension
Co-Chairs: Stephen C. Textor, MD, FASH, Rochester, MN and Myron H. Weinberger, MD, Indianapolis, IN
3:45 PM Cellular Repair in Renovascular Hypertension
Lilach O. Lerman, MD, PhD, Rochester, MN
4:05 PM Targeting the Renal Microcirculation: Potential Therapeutic Applications of Angiogenic Cytokines in Renovascular Hypertension
Alejandro R. Chade, MD, Jackson, MS
4:25 PM Mechanisms in Human Renovascular Disease
Stephen C. Textor, MD, FASH
4:45 PM Why Have Intervention Trials Been Negative?
Lance D. Dworkin, MD, Providence, RI
5:05 PM Original Communications

Translational Track Session
Advanced Glycation End Products in Hypertension and Diabetes
Co-Chairs: Edward G. Lakatta, MD, Baltimore, MD and James R. Sowers, MD, FASH, Columbus, MO
3:45 PM Arterial Stiffness, Hypertension and Insulin Resistance
Elaine M. Urbina, MD, MS, FASH, Cincinnati, OH
Role of Advanced Glycation End-products in Hypertension:
4:05 PM Arterial Stiffening, Inflammation, Fibrosis and Calcification: Potential Novel Remedies
Edward G. Lakatta, MD
4:25 PM Human Studies
Marcus Baumann, MD, Munich, Germany
5:05 PM Original Communications
## 2012 ASH Program, Sunday, May 20 – Monday, May 21

### Therapy Track Session

#### Models for Improvement of Blood Pressure Control

**Co-Chairs:** Brent M. Egan, MD, FASH, Charleston, SC and Keith C. Ferdinand, MD, FASH, Atlanta, GA

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<td>3:45 PM</td>
<td>Public Health Approaches</td>
<td>Keith C. Ferdinand, MD, FASH</td>
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<td>4:05 PM</td>
<td>Community-Based Approaches</td>
<td>Joseph Ravenell, MD, FASH, New York, NY</td>
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<td>4:25 PM</td>
<td>Electronic Tools and Health Aids</td>
<td>Wiley V. Chan, MD, Portland, OR</td>
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<td>4:45 PM</td>
<td>Pharmacist Management</td>
<td>Barry L. Carter, PharmD, FASH, Iowa City, IA</td>
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### Translational Track Session

#### Cardiac Fibrosis

**Co-Chairs:** John D. Bisognano, MD, PhD, FASH, Rochester, NY and Bertram Pitt, MD, Ann Arbor, MI

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<tr>
<td>8:00 AM</td>
<td>Biomarkers of Cardiac Fibrosis</td>
<td>Javier Diez, MD, PhD, Pamplona, Spain</td>
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<td>8:20 AM</td>
<td>Imaging of Cardiac Fibrosis</td>
<td>Joao A.C. Lima, MD, Baltimore, MD</td>
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<td>8:40 AM</td>
<td>Effect of Cardiac Fibrosis on Arrhythmias</td>
<td>José Jalife, MD, Ann Arbor, MI</td>
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<td>9:00 AM</td>
<td>Vascular Fibrosis and Arterial Stiffness</td>
<td>Daniel Duprez, MD, PhD, FASH, Minneapolis, MN</td>
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### Therapy Track Session

#### Peripheral Vascular Disease

**Co-Chairs:** Gary F. Mitchell, MD, Norwood, MA and C. Venkata S. Ram, MD, FASH, Dallas, TX

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<tr>
<td>8:00 AM</td>
<td>Management of Hypertension and Peripheral Arterial Disease</td>
<td>Jeffrey S. Berger, MD, MS, New York, NY</td>
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<td>8:20 AM</td>
<td>Peripheral Arterial Intervention: Devices and Technology</td>
<td>Kanwar Singh, MD, Farmington, CT</td>
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<td>8:40 AM</td>
<td>Evaluation and Treatment of Fibromuscular Disorders</td>
<td>Jeffrey W. Olin, DO, New York, NY</td>
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<td>9:00 AM</td>
<td>Hypertension and Aortic Aneurysms</td>
<td>Ian M. Loftus, MD, London, United Kingdom</td>
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### Pathobiology Track Session

#### Obesity and Hypertension

**Co-Chairs:** John E. Hall, PhD, Jackson, MS and F. Xavier Pi-Sunyer, MD, MPH, New York, NY

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<tr>
<td>8:00 AM</td>
<td>Brain Mechanisms of Obesity</td>
<td>Alexandre A. da Silva, PhD, Jackson, MS</td>
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<td>8:20 AM</td>
<td>Uric Acid and Sugar</td>
<td>Richard J. Johnson, MD, Denver, CO</td>
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<td>8:40 AM</td>
<td>Perivascular Fat</td>
<td>Jennifer S. Pollock, PhD, Augusta, GA</td>
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<td>9:00 AM</td>
<td>Translational Implications of Fats on the Vasculature</td>
<td>Anthony M. Heagerty, MD, Manchester, United Kingdom</td>
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#### Mechanisms of Drug-Induced Hypertension

**Held in Partnership with the Safety Pharmacology Society (SPS)**

**Co-Chairs:** William J. Elliott, MD, PhD, FASH, Yakima, WA and George A. Mansoor, MD, Rahway, NJ

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<td>Drug-induced Changes in Hemodynamics</td>
<td>Derek Leishman, BSc, PhD, Indianapolis, IN</td>
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2012 ASH Program, Monday, May 21

10:50 AM Anti-angiogenic Drugs
Anton Wellstein, MD, PhD, Washington DC

11:10 AM Immunosuppressive Agents
Ronald G. Victor, MD, Los Angeles, CA

11:30 AM Anti-obesity Drugs
John E. Hall, PhD, Jackson, MS

11:50 AM Central Nervous System Drugs
William J. Elliott, MD, PhD, FASH

Renal and Adrenal Mechanisms in Hypertension

Co-Chairs: David A. Calhoun, MD, Birmingham, AL and Matthew R. Weir, MD, FASH, Baltimore, MD

10:30 AM Assessment for Volume Excess in Chronic Kidney Disease
Arjun D. Sinha, MD, Indianapolis, IN

10:50 AM Sodium, Potassium and Arterial Compliance
Paul W. Sanders, MD, Birmingham, AL

11:10 AM Mechanisms of Mineralocorticoid Excess
Richard P. Lifton, MD, PhD, New Haven, CT

11:30 AM Sympathetic Nervous System and Adrenergic Excess
Debbie L. Cohen, MD, Philadelphia, PA

Hypertension and the Heart

Co-Chairs: Peter R. Kowey, MD, Wynnewood, PA and Vasilios Papademetriou, MD, FASH, Washington, DC

10:30 AM Management of Hypertension in Patients with Coronary Disease
Clive Rosendorff, MD, PhD, FASH, Bronx, NY

10:50 AM Managing Hypertension in Patients with Valvular Heart Disease
Jeffrey S. Borer, MD, New York, NY

11:10 AM Management of Arrhythmias and Hypertension
Peter R. Kowey, MD, Wynnewood, PA

11:30 AM Original Communications

10:00 AM – 1:30 PM and 4:00 PM – 6:30 PM
Hypertension Resource Pavilion Open

12:15 PM – 1:15 PM
Lunch

1:30 PM – 3:30 PM
Plenary Session II

Co-Chairs: George L. Bakris, MD, FASH, Chicago, IL and Norman K. Hollenberg, MD, PhD, Boston, MA

1:30 PM Distinguished Scientist Award Lecture
2:00 PM Young Scholar Award Lecture
2:20 PM Marvin Moser Clinical Hypertension Award Lecture
2:45 PM Announcement of Young Investigator-in-Training Abstract Competition Winners

3:45 PM – 5:15 PM
ASH/European Society of Hypertension (ESH) Joint Session

3:45 PM – 5:15 PM
Interventions to Improve Hypertension Control in African Americans: Randomized Controlled Trial Results and Experience from Diverse Practice Settings in the Southeast U.S.

Held in Partnership with the International Society on Hypertension in Blacks (ISHIB)

Chairs: Paula T. Einhorn, MD, MS, Bethesda, MD and Keith C. Ferdinand, MD, FASH, Atlanta, GA

3:45 PM Overview and Introductions
Paula T. Einhorn, MD, MS and Keith C. Ferdinand, MD, FASH
2012 ASH Program, Monday, May 21 – Tuesday, May 22

3:50 PM Counseling African Americans to Control Hypertension (CAATCH) Trial: A Multicomponent, Multi-level Intervention in 30 Community Health Care Centers  
Gbenga Ogedegbe, MD, MPH, MS, FASH, New York, NY

4:05 PM Does Reducing Physician Uncertainty Improve Hypertension Control: A Diffusion of Information Theory-based Intervention Using Uncertainty Reduction Tools  
David J. Hyman, MD, MPH, Houston, TX

4:20 PM Questions and Discussion

4:35 PM ISHIB Consensus Statement, Cardiovascular Health Disparities and Clinical Practice: A view from the Outpatient Quality Improvement Network (OQUIN)  
Brent M. Egan, MD, FASH, Charleston, SC

4:45 PM Challenges and Opportunities in Optimizing Cardiovascular Health for Medically Underserved Patients in Private Practice  
Veita J. Bland, MD, FASH, Greensboro, NC

5:00 PM Questions and Discussion

4:15 PM – 5:15 PM Concurrent Debates

Debate 1: The Evidence Supports a Systolic Target of 140 mmHg  
Moderator: Suzanne Oparil, MD, FASH, Birmingham, AL  
Protagonist: William C. Cushman, MD, FASH, Memphis, TN  
Antagonist: Henry R. Black, MD, FASH, New York, NY

Debate 2: Blood Pressure in Hemodialysis Patients Should be Aggressively Lowered  
Moderator: Barry J. Materson, MD, MBA, FASH, Miami, FL  
Protagonist: Rajiv Agarwal, MD, FASH, Indianapolis, IN  
Antagonist: Kamyar Kalantar-Zadeh, MD, MPH, Torrance, CA

Debate 3: Biomarkers Should be Used in Screening Patients with Hypertension  
Moderator: Thomas D. Giles, MD, FASH, New Orleans, LA  
Protagonist: Domenic A. Sica, MD, Richmond, VA  
Antagonist: Ramachandran S. Vasan, MD, Framingham, MA

5:30 PM – 6:30 PM How to Sessions

How to Use Home and Office Blood Pressure Monitoring in Clinical Practice  
Nancy Houston Miller, RN, BSN, Palo Alto, CA

How to Evaluate and Manage Sexual Dysfunction  
Michael N. Doumas, MD, Thessaloniki, Greece

How to Assess and Manage Orthostatic Hypotension  
Henry R. Black, MD, FASH, New York, NY

How to Assess and Manage Hypertension During Pregnancy  
Karen Rosene-Montella, MD, Providence, RI

5:30 PM – 6:30 PM Poster Viewing

Tuesday, May 22, 2012: 7:45 AM – 9:15 AM Late-Breaking Clinical Trials

Co-Chairs: George L. Bakris, MD, FASH, Chicago, IL and William B. White, MD, FASH, Farmington, CT

9:15 AM – 9:55 AM  
JNC 8  
Suzanne Oparil, MD, FASH, Birmingham, AL
2012 ASH Program, Tuesday, May 22

10:00 AM - 11:30 AM

Pathobiology Track Session

Basic Renal Mechanisms of Hypertension
Co-Chairs: Leopoldo Raij, MD, FASH, Miami, FL and Christopher S. Wilcox, MD, PhD, Washington, DC
10:00 AM Microvascular Injury
David P. Basile, PhD, Indianapolis, IN
10:20 AM Intrarenal Inflammation
Bernardo Rodríguez-Iturbe, MD, Maracaibo, Venezuela
10:40 AM Autoregulation, Hypertension and CKD
Christopher S. Wilcox, MD, PhD
11:00 AM Intrarenal Angiotensin System
L. Gabriel Navar, PhD, New Orleans, LA

Translational Track Session

Hypertension in Pregnancy
Co-Chairs: Phyllis August, MD, MPH, New York, NY and Marshall Lindheimer, MD, Chicago, IL
10:00 AM Pathophysiology of Hypertension During Pregnancy
S. Ananth Karumanchi, MD, Boston, MA
10:30 AM Clinical Management of Pre-eclampsia
Phyllis August, MD, MPH
11:00 AM Long-term Cardiovascular Outcomes Following Pregnancy Hypertension
Vesna D. Garovic, MD, Rochester, MN

Therapy Track Session

Non-Drug Therapy for Hypertension
Co-Chairs: Michael Gutkin, MD, Livingston, NJ and Norman M. Kaplan, MD, Dallas, TX
10:00 AM Herbal Medications and Remedies
Matthew Sorrentino, MD, FASH, Chicago, IL
10:20 AM Mind-body Breathing
Suzanne M. Bertisch, MD, Boston, MA
10:40 AM Exercise Training
Martha Gulati, MD, MS, Chicago, IL
11:00 AM Non-drug Therapy for Hypertension
Katie L. Stone, PhD, San Francisco, CA

Contrasts and Similarities in British and US Guidelines in the Management of Hypertension
Held in Partnership with the British Hypertension Society (BHS)
Co-Chairs: Anthony M. Heagerty, MD, Manchester, United Kingdom and Michael A. Weber, MD, FASH, New York, NY
10:00 AM UK Perspective: NICE
Bryan Williams, MD, Leicester, United Kingdom
10:30 AM US Perspective: JNC 8
Sandra J. Taler, MD, FASH, Rochester, MN
11:00 AM Panel Discussion

11:30 AM - 12:30 PM

American Society of Hypertension Annual Membership Meeting
Advance Registration Form  Please type or print legibly and complete ALL information requested.

Registrant Information

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Affiliation

Address

City State/Province Postal Code Country

Telephone Number Fax Number

Email Address (please write very legibly)

*Please Indicate (required field):

☐ Physician Specialty
☐ Cardiology ☐ Endocrinology ☐ Lipidology ☐ Nephrology
☐ Family Practice ☐ Internal Medicine ☐ Pediatrics ☐ Other: __________________________

☐ Nurse/Nurse Practitioner
☐ Pharmacist
☐ Physician Assistant
☐ Other: __________________________

☐ Check here if you have any special needs or requirements – we will contact you.

Meeting Registration:  (Please check one option below and circle appropriate fee)

On or Before April 4, 2012 After April 4, 2012
ASH Member Non-Member ASH Member Non-Member

☐ Hypertension Highlights 2012 $150 $200 $175 $225
Saturday, May 19 only – Fee includes admission to Hypertension Highlights, Hypertension Resource Pavilion, Innovations Theater, Poster Presentations and Social Events

Full Meeting Registration

On or Before April 4, 2012 After April 4, 2012
ASH Member Non-Member ASH Member Non-Member

☐ MD $550 $795 $650 $895
☐ PhD $550 $795 $650 $895
☐ Industry Professional $550 $795 $650 $895
☐ Pharmacist/RN/PA/NP $175 $275 $200 $300
☐ In-Training $ 75 $100 $ 75 $100

Saturday, May 19 – Tuesday, May 22 – Full Meeting Registration includes admission to Hypertension Highlights, Hypertension Resource Pavilion, Plenary Sessions, Scientific Sessions, Meet the Professor Sessions, Debates, Poster Presentations, Innovations Theater and all ASH Social Events

☐ Hypertension for the Primary Care Clinician $ 50 $ 50
Sunday, May 20 – Fee only includes admission to Hypertension for the Primary Care Clinician Curriculum, Plenary Sessions, Scientific Sessions, Meet the Professor Sessions, Debates, Poster Presentations, Innovations Theater and all ASH Social Events

Payment Computations

Registration Fee:  $____________

☐ VISA ☐ MasterCard ☐ American Express

Cardholder’s Name Exp. Date

Credit Card Number Card Verification Code

Cardholder’s Signature

Payment Information: NO CASH OR BANK TRANSFERS. Registration may be paid with VISA, MasterCard, American Express, check, or money order. Checks and money orders must be drawn on American banks and in U.S. Dollars.

Make check payable to: Mail to:
American Society of Hypertension, Inc. ASH 2012 Registration,
779 East Chapman Road, Oviedo, FL 32765 779 East Chapman Road, Oviedo, FL 32765 US & Canada: 800-292-8130 International Registrants:
407-971-4480, Fax: 407-366-4138
(Operators available from 9:00 AM to 6:00 PM EST)
ASH2012reg@regmaster.com
(Questions only; For online registration visit www.ash-us.org)
ASH Hypertension Community Outreach

In 2012, ASH will celebrate its fifth year of providing Hypertension Community Outreach services to communities in the US and abroad. Our outstanding accomplishments in the past four years are many and include the following:

- We have screened over 3,050 people with the breakdown as follows:
  - New Orleans (2008) 725
  - San Francisco (2009) 503
  - New York (2010) 739
  - New York (2011) 860
  - Montserrat (2011) 225+

- We produced four Hypertension Community Outreach site videos, four patient education videos, one public service announcement and one patient information pamphlet, available both in English and Spanish.
- We provided Grand Rounds for ten Hospitals and visited twenty clinics for in-service training.
- We have increased the number of Community Partners to nineteen.
- We participated in the National Campaign Launch of “Pair-Up” with the American Kidney Fund.

The 2011 Hypertension Community Outreach Program reached new boundaries and for the first time, extended past the US borders to the Island of Montserrat – for “Blood Pressure without Borders”.

Visit the blog, www.ashoutreach.blogspot.com to read all about the trip. The last entry describes the “Staggering Initial Findings.”

Visit the ASH website www.ash-us.org – Patients menu - to read about the Patient Videos ASH created in 2011.
Community Partners

ASH is grateful for the support of their Community Partners!!

AMERICAN KIDNEY FUND
ASSOCIATION OF BLACK CARDIOLOGISTS, SPIRIT OF THE HEART
AVMG, INC.
BOOMER ESIASON FOUNDATION
DENNY MOE’S SUPERSTAR BARBERSHOP
FOREST PHARMACEUTICALS, INC.
FOUNDATION OF NATIONAL LIPID ASSOCIATION
HILTON NY
HOMEDICS, INC.
METROPOLITAN EXPOSITION, INC.
MR CHAMMPS AT ST. JOSEPH’S REGIONAL MEDICAL CENTER
NOVARTIS PHARMACEUTICALS CORPORATION
OMRON HEALTHCARE, INC.
PEPSICO, INC.
ROAD RUNNERS OF NEW YORK
SOCIETY FOR CARDIOVASCULAR ANGIOGRAPHY AND INTERVENTIONS
ST. JOHN’S UNIVERSITY SCHOOL OF PHARMACY
THE INSTITUTE FOR HEALTH EQUITY AT NASSAU UNIVERSITY MEDICAL CENTER
TOURO MEDICAL SCHOOL

For Partnership Opportunities please contact
Gilda Caputo-Hansen, gcaputo@ash-us.org
ASH Membership Application

Please type or print legibly and complete ALL information requested.

☐ New Member  ☐ Renewing Member  Date Submitted: _________  Promotion Code: ___________

1. Name and principal mailing address:

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Email Address (please write very legibly)

2. Specialty (circle one): internal medicine, primary care, cardiology, nephrology, endocrinology, other:

_____________________________________________________________________________________________________________________

3. Practice Setting (circle all that apply): private practice, hospital staff, research, academia, administration, industry, other:

_____________________________________________________________________________________________________________________

4. Membership Categories:

☐ Regular Member – Domestic (U.S. Residents): ................................................................. $ 200.00

☐ Optional – ASH Chapter Membership: ................................................................. $ 25.00

For USA Residents only, see next page for the current ASH Chapters and fee schedules. Specify Chapter: ____________________________

☐ Regular Member – International

☐ Without Print Subscriptions to Society Journals: ................................................................. $ 200.00

☐ With Print Subscriptions to Society Journals: ................................................................. $ 230.00

☐ Member-in Training (Fellows, Residents, Medical Student, Graduate Students): ................................................................. $ 75.00

Must submit letter from institution confirming status with application. Chapter membership is Complimentary for Members-in-Training (if applicable)

☐ Optional – ASH Foundation Donation (suggested amount): ................................................................. $ 25.00

Based on fee schedule above, please indicate total payment included ................................................................. $ _______

Payment (no cash or bank transfers) may be made with American Express, VISA, MasterCard, check or money order. Checks or money orders (drawn on American banks and in U.S. dollars) are payable to: American Society of Hypertension, Inc. (ASH). Mail this completed form and payment to American Society of Hypertension Inc, 148 Madison Avenue, 5th Floor, New York, NY 10016; or you may fax your form if you are paying by credit card to: 212-696-0684. For membership inquiries, call toll-free 866-696-9099 (U.S. residents only) or 212-696-9099 (International). Membership Year is on an anniversary basis and will expire 12 months from the month you join the Society.

☐ American Express  ☐ VISA  ☐ MasterCard  ☐ Check (Must include applicant’s LAST Name or ID#)

Cardholder’s Name  Credit Card Number  Exp. Date

Cardholder’s Telephone Number  Cardholder’s Signature
ASH Membership Application continued

ASH Regional Map

Current ASH Chapters and Dues Schedule:

ASH Regional Chapter Dues: $25.00
- Carolinas, Florida and Georgia Chapter (Southern Florida, Georgia, North Carolina, South Carolina)
- Delaware Valley Chapter (Delaware, Pennsylvania, & Southern New Jersey)
- Eastern Regional Chapter (Connecticut, Northern New Jersey, New York)
- Gulf Central Regional Chapter (Alabama, Florida [Panhandle], Louisiana, Mississippi)
- Mid-Atlantic Regional Chapter (Maryland, Virginia, Washington, DC)
- Texas Chapter

Individuals can apply for membership online at www.ash-us.org
Hilton New York
Saturday, May 19, 2012 – Tuesday, May 22, 2012

ASH Corporate Members
Boehringer Ingelheim Pharmaceuticals, Inc.
Daiichi Sankyo, Inc.
Forest Laboratories, Inc.
Medtronic, Inc.
Merck & Co., Inc.
Novartis Pharmaceuticals Corporation
Takeda Pharmaceuticals North America, Inc.

Future ASH Annual Scientific Meeting Dates:
Wednesday, May 15, 2013 – Saturday, May 18, 2013
San Francisco Marriott
Saturday, May 17, 2014 – Tuesday, May 20, 2014
Hilton New York
Saturday, May 16, 2015 – Tuesday, May 19, 2015
Hilton New York
Saturday, May 13, 2016 – Tuesday, May 17, 2016
Hilton New York