



American Heart Association | American Stroke Association®

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EPI|LIFESTYLE
2016

2016 Scientific Sessions

Epidemiology and Prevention
and Lifestyle and Cardiometabolic Health

Final Program

March 1–4 | Hyatt Regency Phoenix | Phoenix, Arizona

my.americanheart.org/epilifestylesessions

This is an annual scientific meeting of the American Heart Association sponsored by the Council on Epidemiology and Prevention and the Council on Lifestyle and Cardiometabolic Health.

Program at a Glance

	Tuesday, March 1		Wednesday, March 2		Thursday, March 3	Friday, March 4
6:00 AM			Yoga and Zumba Classes		Fun Walk/Run	Yoga and Zumba Classes
7:00 AM			7:00–8:00 AM Continental Breakfast		7:00–7:30 AM Continental Breakfast	7:00–7:30 AM Continental Breakfast
7:30 AM					7:30–8:00 AM Early Career Event/ Presentation	
8:00 AM			Session 1 8:00–8:30 AM Welcome Remarks 8:30–10:00 AM Opening Session: From Precision Medicine to a Culture of Health Sonia Angell, MD, MPH William C. Knowler, MD, DrPH Thomas A. Pearson, MD, MPH, PhD		Session 5 8:00–8:30 AM David Kritchevsky Memorial Lecture Ramon Estruch, MD, PhD 9:00–10:00 AM Greater Alignment Between Public Health and the Food Industry Being Driven by Consumer Demand Greg Drescher, Culinary Institute of America June Jo Lee, Hartman Group, Inc.	Session 9 8:30–9:00 AM The Richard D. Remington Methodology Lecture Michael Pencina, PhD 9:00–10:00 AM New Tools and Methods
10:00 AM			Refreshment Break		Refreshment Break/ Connection Corner	Refreshment Break/ Connection Corner
10:30 AM			Session 2 A Culture of Health		Session 6 Hot Off the Press Obesity and Adipose Tissue Distribution	Session 10 Nutrition Interventions Psychosocial Determinants of Health
NOON			Lifestyle and Cardiometabolic Health Council Annual Business Meeting & Networking Luncheon		Early Career Luncheon Events EPI Council Annual Business Meeting and Luncheon	Early Career Luncheon Events
1:00 PM	1:00–7:00 PM Registration			NHLBI Trainee Session on CVD Epidemiology, Biostatistics and Prevention		
1:30 PM			Session 3 Health Disparities		Session 7 Stamler Awards Finalists	Session 11 1:00–2:00 PM The William B. Kannel Memorial Lecture Peter W. F. Wilson, MD 2:00–3:00 PM Randomized Intervention Trials
3:00 PM			Refreshment Break		Refreshment Break/ Connection Corner	Refreshment Break/ Connection Corner
4:00 PM		Special Session: PCORI	Session 4 Physical Activity and Cardiorespiratory Fitness	NHLBI Trainee Session, continued	Session 8 The Role of Genomics in Cardiovascular Health The Future of Genetics and Genomics in CV Health Jennifer Hall, PhD The PMI: How Will it change the Landscape of Population Science and Improve Health Teri Manolio, MD, PhD, FAHA Personalized Medicine from the Perspective of Modern Genomics Jill Hagenkord, MD, FCAP	Session 12 Annual Debate: WHO Sugar guidelines Pro: Frank Hu, MD, PhD, FAHA Con: John Sievenpiper, MD, PhD, FRCPC
4:30 PM	Special Session: CDC Modeling					
5:00 PM						
5:30 PM	Poster Session 1		Poster Session 2		Poster Session 3	Poster Session 4
7:00 PM			7:00–8:00 PM Hearts Diversity Reception Hosted by the Council on Epidemiology and Prevention		7:00–10:30 PM JOINT Council Dinner	
7:30 PM						
8:00 PM						

Legend: Poster Sessions Conference Sessions Other

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Save the Date!

EPI/Lifestyle 2017 Scientific Sessions

March 7–10, 2017

Hilton Portland and Executive Tower
Portland, Oregon

Questions and Information

Questions

If you have questions after reading this program, contact the American Heart Association National Center, Dallas, Texas:

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Email scientificconferences@heart.org
Website my.americanheart.org

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- If you have additional questions, please email us at scientificconferences@heart.org or call toll-free 888.242.2453



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Letter from the Chairs

Dear Colleagues:

The American Heart Association Council on Epidemiology and Prevention and Council on Lifestyle and Cardiometabolic Health are pleased to welcome you to the EPI/Lifestyle 2016 Scientific Sessions.

The primary goal of the EPI/Lifestyle 2016 Scientific Sessions is to promote the development and application of translational and population science related to promotion of cardiovascular health and prevention of heart disease and stroke. This year the theme is "From Precision Medicine to a Culture of Health." Sessions will offer topics on community health programs and initiatives, and a joint session with the Council on Functional Genomics and Translational Biology will include global health and lifespan perspectives.

The format maximizes the opportunities for thought-provoking interaction among scientists. Presentation of new research is organized around oral and poster abstracts, augmented by specially integrated translational science lectures and debates on current issues in preventive cardiology. During the conference, there is a strong emphasis on the education and training of young scientists, and specific activities are designed to increase the opportunities for interaction between new and senior investigators.

The program will focus on the epidemiology of health factors, subclinical and clinical cardiovascular diseases. Relationships of cardiometabolic health and cardiovascular disease with nutrition (diet) and physical activity (fitness), obesity, diabetes and renal disease will be presented. Genetic and environmental epidemiology influences will also be explored. The effects of lifestyle interventions on cardiometabolic disease and its health factors and the results of cardiovascular disease prevention trials will be presented.

The program also will provide participants the opportunity to learn current information about advances in measuring diet and physical activity; advances in techniques in preventive cardiology; behavioral strategies to promote and sustain lifestyle modifications; clinical, population and global health strategies to promote cardiometabolic health; outcomes research in cardiovascular health; guideline development related to cardiovascular health; advances in techniques relevant to observational studies and clinical trials; genetic epidemiology; and methods of population surveillance for cardiovascular health and health factors.

We trust that you will find this an excellent educational and scientific experience and a great opportunity to meet and discuss these important issues with other scientists, practitioners and policy makers dedicated to the American Heart Association's mission of building healthier lives, free of cardiovascular diseases and stroke. Continuing education credit is provided to physicians, nurses and physician assistants.

Sincerely,



Veronique Lee Roger

Veronique L. Roger, MD, MPH, FAHA
Co-Chair, EPI/Lifestyle Annual Conference



Robert Ross

Robert Ross, PhD, FACSM, FAHA
Co-Chair, EPI/Lifestyle Annual Conference

***The American Heart Association is a national voluntary health agency whose mission is:
“Building healthier lives, free of cardiovascular diseases and stroke.”***

The American Heart Association would like to acknowledge the following companies
for their generous support of the EPI/Lifestyle 2016 Conference:

AstraZeneca

The American Heart Association would like to acknowledge the following
for their generous support of this year's fun walk/run:



The American Heart Association Council on Epidemiology and Prevention and Council on Lifestyle and Cardiometabolic Health are grateful to the conference Program Committee members for their dedication and leadership in organizing and planning the programs.

EPI | Lifestyle 2016 Program Committee

Executive Committee

Veronique Roger, MD, MPH, FAHA, Chair
Wayne Rosamond, PhD, MS, Vice Chair

Robert Ross, PhD, FACSM, FAHA, Chair
Deborah Rohm Young, PhD, FAHA, Vice Chair

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Alain Bertoni, MD, MPH, FAHA
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Gerald S. Bloomfield, MD, MPH
Michele Fennessy, PhD, RN

Laurence S. Sperling, MD, FACC, FACP, FAHA
Elaine M. Urbina, MD, MS

The conference organizers gratefully acknowledge the following individuals for their assistance with the abstract grading process:

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Lora E. Burke	Yuling Hong	Kari North	June Stevens
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Mercedes Carnethon	Jan M. Hughes-Austin	Walter Palmas	Evan L. Thacker
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Stephanie Chiuve	David Jacobs	Maresh J. Patel	Linda Van Horn
Timothy Church	Cashell E. Jaquish	Mark A. Pereira	Lisa B. VanWagner
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Jean-Pierre Després	William Kraus	Ken Rice	Nathan D. Wong
Luc Djousse	Ian M. Kronish	Eric Rimm	Jacqueline Wright
Gareth Dutton	Susan Kunish	Jennifer G. Robinson	Jason Wu
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Daniel Enquebahrie	Wen Wen Li	Anand Rohatgi	
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Please use hashtag #EPIILIFESTYLE16 for all tweets!

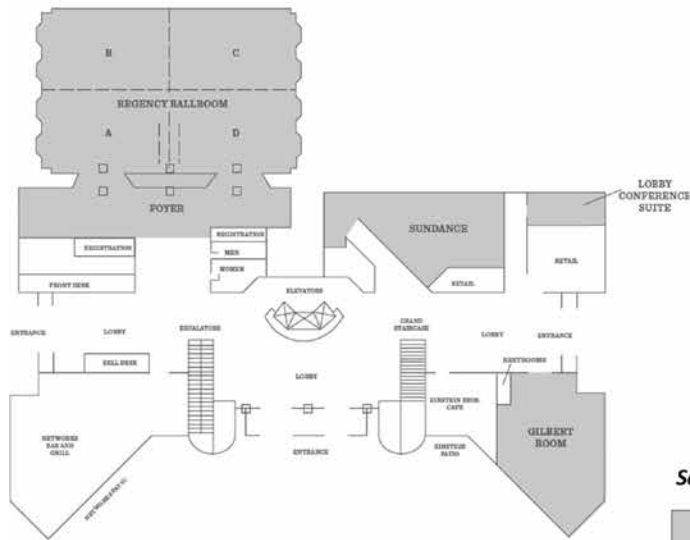
Room Locator

Tuesday, March 1		
Speaker Resource Center	1:00–5:00 PM	Suite 314
Conference Registration	1:00–7:00 PM	Regency CD Registration
Introducing PCORnet: An Emerging Resource for Cardiovascular Epidemiology and Outcomes Research	4:00–5:30 PM	Ellis
Simulation Modeling to Inform Future Public Health Interventions to Decrease the Burden of Cardiovascular Disease in the United States	4:30–5:30 PM	Cowboy Artist's Room
Opening Reception & Poster Session 1	5:30–7:30 PM	Atrium
Wednesday, March 2		
Zumba	6:00 AM–7:00 AM	Phoenix Ballroom West
Yoga	6:00 AM–7:00 AM	Phoenix Ballroom East
Speaker Resource Room	7:30 AM–5:00 PM	Suite 314
Conference Registration	7:00 AM–7:00 PM	Regency CD Registration
Continental Breakfast	7:00–8:00 AM	Atrium
Exhibits	7:00 AM–3:30 PM	Atrium
Session 1 8:00–8:30 AM Welcome Remarks 8:30–10:00 AM From Precision Medicine to a Culture of Health	8:00–10:00 AM	Regency Ballroom
Refreshment Breaks	10:00–10:30 AM 3:00–3:30 PM	Atrium
Oral Session 2 A Culture of Health	10:30 AM–Noon	Regency Ballroom
Lifestyle and Cardiometabolic Health Annual Business Meeting and Networking Luncheon	Noon– 1:30 PM	Phoenix Ballroom
NHLBI Trainee Session on Cardiovascular Disease Epidemiology, Biostatistics and Prevention	1:00–5:00 PM	Sundance
Oral Session 3 Health Disparities	1:30–3:00 PM	Regency Ballroom
Oral Session 4 Physical Activity and Cardiorespiratory Fitness	3:30–5:00 PM	Regency Ballroom
Poster Session 2	5:00–7:00 PM	Atrium
Hearts Diversity Reception	7:00–8:00 PM	Sundance
Thursday, March 3		
Annual Fun Walk/Run	6:00 AM	
Speaker Resource Center	7:30 AM–5:00 PM	Suite 314
Conference Registration	7:30 AM–5:00 PM	Regency CD Registration
Continental Breakfast	7:00–8:00 AM	Atrium
Exhibits	7:00 AM–3:30 PM	Atrium
Oral Session 5 8:00–8:30 AM The David Kritchevsky Memorial Lecture 8:30–10:00 AM Greater Alignment Between Public Health and The Food Industry Being Driven by Consumer Demand	8:00–10:00 AM	Regency Ballroom
Thursday, March 3 (continued)		
Connection Corner	10:00–10:30 AM	Atrium
Refreshment Breaks	10:00–10:30 AM 3:00–3:30 PM	Atrium
Oral Session 6A Hot Off the Press	10:30 AM–Noon	Regency Ballroom
Oral Session 6B Obesity and Adipose Tissue Distribution	10:30 AM–Noon	Ellis
Early Career Luncheon	Noon–1:30 PM	Cowboy Artist's Room
EPI Council Annual Business Meeting and Networking Luncheon	Noon–1:30 PM	Phoenix Ballroom
Oral Session 7 Stamler Award Finalists	1:30–3:00 PM	Regency Ballroom
Connection Corner	3:00–3:30 PM	Atrium
Oral Session 8 The Role of Genomics in Cardiovascular Health	3:30–5:00 PM	Regency Ballroom
Poster Session 3	5:00–7:00 PM	Atrium
Joint Council Dinner	7:00–11:00 PM	Regency Ballroom
Friday, March 4		
Zumba	6:00 AM–7:00 AM	Phoenix Ballroom West
Yoga	6:00 AM–7:00 AM	Phoenix Ballroom East
Speaker Resource Room	7:30 AM–5:00 PM	Suite 314
Conference Registration	7:30 AM–5:00 PM	Regency CD Registration
Continental Breakfast	7:00–7:30 AM	Atrium
Early Career Presentation: Developing Your Five and Ten Year Plan	7:30 AM–8:20 AM	Regency Ballroom
Oral Session 9 8:30–9:00 AM Richard D. Remington Methodology Lecture 9:00–10:00 AM New Tools and Methods	8:30–10:00 AM	Regency Ballroom
Connection Corner	10:00–10:30 AM	Atrium
Refreshment Breaks	10:00–10:30 AM 3:00–3:30 PM	Atrium
Oral Session 10A Nutrition Interventions	10:30 AM–Noon	Regency Ballroom
Oral Session 10 B Psychosocial Determinants of Health	10:30 AM–Noon	Ellis
Early Career Roundtable Luncheons	Noon–1:30 PM	Cowboy Artist's Room
Oral Session 11 1:30–2:00 PM The William B. Kannel Memorial Lecture 2:00–3:00 PM Randomized Intervention Trials	1:30–3:00 PM	Regency Ballroom
Connection Corner	3:00–3:30 PM	Atrium
Oral Session 12 ASPC Debate: WHO Sugar Guidelines	3:30–4:30 PM	Regency Ballroom
Poster Session 4	4:30–6:30 PM	Atrium

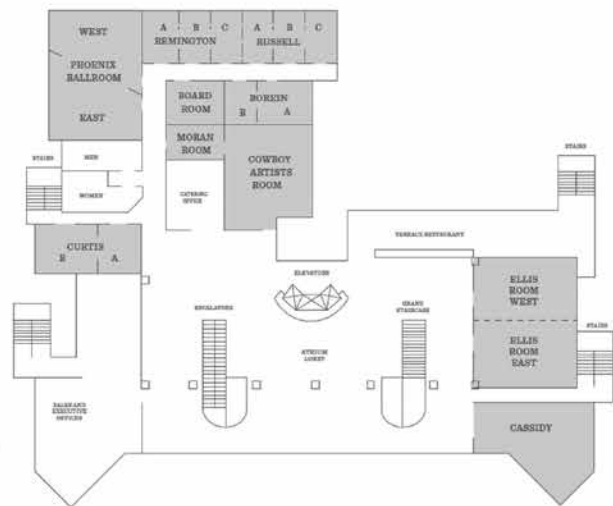
Hotel Map

MEETING SPACE

First Floor



Second Floor



Third Floor



Program Information

Conference Description and Learning Objectives

Conference Description

Each year, the American Heart Association's Council on Epidemiology and Prevention and Council on Lifestyle and Cardiometabolic Health plan Scientific Sessions with the overarching goal of promoting development and application of translational and population science to prevent heart disease and stroke and foster cardiovascular health. Sessions serves as a principal venue for presenting patient- and population-based research in CVD prevention. Results from observational studies and trials presented at this meeting influence national and international policies and affect billions of researchers, clinicians and patients worldwide. This year, sessions are built around a theme of "From Precision Medicine to a Culture of Health."

Learning Objectives

At the conclusion of this program participants should be able to:

- Recognize opportunities to address modifiable risk factors for CVD to help meet AHA components of ideal cardiovascular health.
- Explore the causes and health consequences of continuing disparities in CVD risk factors among certain racial/ethnic, age, gender and socioeconomic groups.
- Identify mobile technologies and opportunities for research that, together, lead to effective, evidence-based, patient-centric interventions that reduce CVD risk and improve cardiovascular care.
- Identify new and emerging electronic data resources and tools for conducting cardiovascular research.
- Detail these tools' potential for conducting cardiovascular research and developing models that can predict CVD or slow its progression.
- Explain the concept of precision medicine and identify opportunities and applications for precision medicine in CVD prevention and treatment.
- Support early-career cardiologists who are pursuing career opportunities and pathways in CVD epidemiology and prevention research.

Please visit the registration desk for information on Continuing Medical Education Accreditation.

Abstract Presentations

Abstracts presented at EPI/Lifestyle Scientific Sessions will be published online in *Circulation*.

Conference Highlights

Featured Lectures and Keynotes

Please join us for the opening session, **Wednesday, March 2, 8:00 AM: From Precision Medicine to a Culture of Health**, featuring welcome remarks from American Heart Association president Mark Creager, MD, FAHA, and EPI/Lifestyle program chair Veronique Roger, MD, MPH, FAHA.

Presentations will feature Sonia Angell, MD, MPH, New York City Department of Health and Mental Hygiene; William C. Knowler, MD, DrPH, NIDDK, National Institutes of Health; and Thomas A. Pearson, MD, MPH, PhD, University of Florida.



Thursday, March 3, 8:00 AM: The David Kritchevsky Memorial Lecture
presented by Ramon Estruch, MD, PhD, University of Barcelona.

Supported by a grant from Conopco, Inc. d/b/a Unilever



Thursday, March 3, 8:30 AM: Greater Alignment Between Public Health and The Food Industry Being Driven by Consumer Demand presented by Greg Drescher, The Culinary Institute of America, and June Jo Lee, Hartman Group, Inc.



Thursday, March 3, 3:30 PM: The Role of Genomics in Cardiovascular Health featuring Jennifer L. Hall, University of Minnesota; Teri Manolio, National Human Genome Research Institute; and Jill Hagenkord, 23andME, Inc.



Friday, March 4, 8:30 AM: The Richard D. Remington Methodology Lecture presented by Michael Pencina, PhD, Boston University.

Conference Highlights (continued)



Friday, March 4, 1:30 PM: William B. Kannel, MD, Memorial Lecture presented by Peter W. F. Wilson, MD, Emory Clinical Cardiovascular Research Institute



Friday, March 4, 3:30 PM: American Society for Preventive Cardiology Annual Debate: WHO Sugar Guidelines featuring: Frank Hu, MD, PhD, FAHA, Harvard TH Chan, School of Public Health; and John L. Sievenpiper, MD, PhD, FRCPC, University of Toronto.

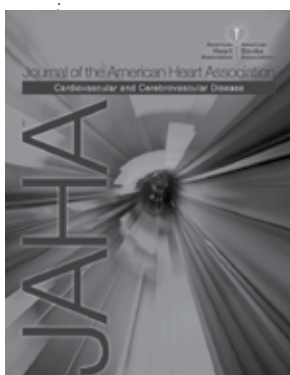


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- Represents All 16 AHA/ASA Scientific Councils



Special Features

Participate in a variety of special activities, many of which are designed to provide networking and educational opportunities for young investigators.

- Special Session! Introducing PCORnet: An Emerging Resource for Cardiovascular Epidemiology and Outcomes Research March 1, 4:00 PM.** Presented by Mark Pletcher, MD, MPH, University of California-San Francisco; Veronique Roger, MD, MPH, FAHA, Mayo Clinic. We are excited to convene what we hope will be a platform for an exciting collaborative process. The Cardiovascular Health Collaborative Research Group was created within PCORnet to catalyze collaborative PCORnet research that will lead to improvements in cardiovascular health that are meaningful to patients. Our near-term objective is to stimulate several PCORnet research projects that achieve PCORnet Study designation and lead to grant applications submitted during 2016. We hope that you will join us to initiate this exciting process.
- Special Session! Simulation Modeling to Inform Future Public Health Interventions to Decrease the Burden of Cardiovascular Disease in the United States, March 1, 4:30 PM.** Presented by Yuling Hong, MD, MSc, PhD; Associate Director for Science, DHDSP/NCCDHP/CDC; Matthew Ritchey, PT, DPT, MPH, OCS; Senior Scientist, DHDSP/NCCDHP/CDC; Pamela Coxson, PhD; Mathematician, Cardiovascular Disease Modelling Group, Center for Vulnerable Populations and Department of Medicine, University of California, San Francisco. This session will present preliminary findings of a project that includes national experts in CVD simulation modeling, including staff from the CVD Policy Model, to determine the key CVD risk factors that the DHDSP and its Million Hearts® partners should continue to focus on or begin targeting starting in 2017 and the expected range of possible events prevented over the following five and ten years if those risk factors are effectively addressed. Attendees at this session will have the opportunity to provide important feedback to assist public health professionals in planning for future CVD prevention programs and interventions.
- Lifestyle and Cardiometabolic Health Annual Business Meeting and Networking Luncheon, Wednesday, March 2, Noon–1:30 PM.** A great opportunity to get caught up on activities related to the Lifestyle Council's significant mission, and to meet some key leaders in the council. Following the luncheon, the Lifestyle Early Career Committee is pleased to host a special session titled **"Negotiation: A Comfortable Discussion About An Often Uncomfortable Topic."**
 We often think a job offer is the only aspect of our careers that requires negotiation. However, we all have many competing demands in our lives and negotiation is an active part of our professional and personal relationships. Please join us as a panel of early career and established investigators share their experiences with negotiation and how they have leveraged this important skill to benefit their careers. Panelists include Elaine M. Urbina, MD, MS, FAHA, Cincinnati Children's Hospital Medical Center, Jean-Pierre Després, PhD, FAHA, FIAS, Centre de Recherche de l'Institut universitaire de Cardiologie et de Pneumologie de Québec (CRIUCPQ), Tiffany M. Powell-Wiley, MD, MPH, FAHA, (NIH) Cardiovascular and Pulmonary Branch, DIR, National Heart, Lung, and Blood Institute. *Ticketed event. Tickets may be purchased at the registration desk if still available.*
- Council on Epidemiology and Prevention Annual Business Meeting and Networking Luncheon, Thursday, March 3, Noon–1:30 PM.** Learn about the EPI Council mission and activities. The council will present a session during the last half of the luncheon on **Mentoring Across the Career Trajectory** featuring panelists Philip Greenland, MD, Harry Dingman Professor of Cardiology, Northwestern University Feinberg School of Medicine, and Mahasin S. Mujahid, PhD, Assistant Professor of Epidemiology, UC Berkeley School of Public Health. *Ticketed event. Tickets may be purchased at the registration desk if still available.*
- NHLBI Trainee Session on CVD Epidemiology, Biostatistics, and Prevention, Wednesday, March 2, 1:00–5:00 PM.** Trainees in the National Heart, Lung, and Blood Institute-supported programs will present their work in this session, and all conference registrants are invited to attend. *There is no separate registration fee.*
- Annual Fun Walk/Run, Thursday, March 3, 6:00 AM.** Open to all attendees regardless of fitness level. This popular event continues to grow! This year's walk/run will take place at Papago Park. Its massive, otherworldly sandstone buttes set Papago Park apart, even in a city and state filled with world-class natural attractions. Papago's desert trails are generally smooth, easy treks with little elevation gain. See the Fun Run Registration table in the Atrium to sign up and get details!
- Hearts Diversity Reception, Wednesday, March 2, 7:00–8:00 PM.** Hosted by the Council on Epidemiology and Prevention Minority Committee. Informal networking for all minority attendees. Light hors d'oeuvres and cash bar after the poster session on Wednesday evening.
- Hot Off the Press, Thursday, March 3, 10:30 AM.** This session will provide a forum for in-depth discussion of important publications released less than six months before the conference. For details, please visit the registration desk.

Special Features (continued)

- **Joint Council Annual Reception and Dinner, Thursday, March 3, 7:00 PM.** The cost is \$50 per person for registrants and their guests. A cash bar will be offered along with food, drinks and great entertainment! Tickets may be purchased at registration (seating is limited). Discounted tickets are available for student and early career registrants.
- **2nd Annual Pentathlon.** Incorporate physical activity into your conference experience this year with a variety of events offered throughout the conference. Participate in all five and get “certified” as an EPI/Lifestyle Pentathlete! Yoga and Zumba are offered at 6:00 AM Wednesday and Friday, March 2 and 4. Sign up for the walking challenge at the Tupelo Walking Challenge Booth in the Exhibit area in the Atrium to track your steps. Supplies are limited. Otherwise, take the steps instead of an elevator or escalator at least once throughout your day. Participate in the Fun Walk/Run Thursday morning, dance the night away at the Joint Council Dinner Thursday evening. Then on Friday, March 4, pick up your certificate of completion at the registration desk and enter to win a one-year membership to the American Heart Association.

Early Career Events

- **Lifestyle and Cardiometabolic Health Annual Business Meeting and Networking Luncheon, Negotiation: A Comfortable Discussion About An Often Uncomfortable Topic, Wednesday, March 2, Noon–1:30 PM.**
- **Council on Epidemiology and Prevention Annual Business Meeting and Networking Luncheon, Mentoring Across the Career Trajectory, Thursday, March 3, Noon–1:30 PM.**
- **Transitioning from Fellow to Faculty: Navigating the Job Search, Interviews, Negotiations, and More, Thursday, March 3, Noon–1:30 PM.** Presented by Mark Sarzynski, PhD, University of South Carolina, Columbia, SC, Sarah Camhi, PhD, University of Massachusetts, Boston, MA and Peter Wilson MD, Emory University, Atlanta, GA. Open to all attendees. A panel of early career investigators who have recently made the transition from trainee to faculty as well as senior investigators who routinely interview and hire new faculty will discuss their own experiences and insights and will address audience questions on making the transition from fellow to faculty.
- **Developing Your Five and Ten Year Plan, Friday, March 4, 7:30–8:20 AM.** Presented by Donna K. Arnett, PhD, MSPH, FAHA, UAB School of Medicine, Birmingham, AL
- **Early Career Roundtable Luncheon, Friday, Noon–1:30 PM.** These are an excellent opportunity for young investigators. A variety of investigators from several major studies will identify opportunities for data sharing, collaboration and mentorship. We will be using a “speed dating” format to allow attendees about 20 minutes with up to three study investigators each day. All study tables take place in the Cowboy Artist’s Room. *Boxed lunches will be available. Attendance is limited. Please see the registration desk for a full list of tables and instructions.*
- **Connection Corner:** Connection Corner is an excellent networking opportunity for conference attendees (especially first-time attendees and junior investigators). This year’s Connection Corner offers a variety of tables to help you navigate your career path. *See the registration desk for a full list of representatives and times.*

Exhibits

Be sure to stop by the exhibit booths during the conference. Exhibits will be open the following hours and a full list of Exhibitors can be obtained at the registration desk.

Wednesday, March 2	7:00 AM–3:30 PM
Thursday, March 3	7:00 AM–3:30 PM



Conference Awards

The **Council on Epidemiology and Prevention** is pleased to announce the names of the winners and finalists of the four sponsored awards. **All awardees will be recognized at the Joint Council Dinner at 7:00 PM Thursday, March 3.**

The Jeremiah and Rose Stamler Research Award for New Investigators is named for the Stamlers in appreciation of their seminal contributions to cardiovascular disease epidemiology. The award recognizes and stimulates excellence in research by investigators in training.

Finalists	Presentation Number	Presentation Date/Time
Javier Valero-Elizondo	25	Thursday, March 3, 1:30 PM
Matthew Feinstein	26	Thursday, March 3, 1:45 PM
Laura Pimpin	27	Thursday, March 3, 2:00 PM
Ebenezer Oni	28	Thursday, March 3, 2:15 PM
Mercedes Sotos-Prieto	29	Thursday, March 3, 2:30 PM

The winner will be announced during the Joint Council Dinner on Thursday, March 3.

The Sandra A. Daugherty Award for Excellence in Cardiovascular Disease or Hypertension Epidemiology is named for Dr. Sandra Daugherty in appreciation of her outstanding career as a clinical researcher and epidemiologist working in the areas of hypertension, chronic fatigue syndrome and women's health issues. The award recognizes the role of junior faculty and stimulates excellence in research by junior investigators.

Finalists	Presentation Number	Presentation Date/Time
Yuichiro Yano	MP10	Tuesday, March 1, 5:30 PM
Nketi Forbang	P226	Thursday, March 3, 5:00 PM
Maria Ruiz-Castell	P175	Thursday, March 3, 5:00 PM
Hong Seok Lee	P186	Thursday, March 3, 5:00 PM
George Thanassoulis	P308	Friday, March 4, 4:30 PM

The winner will be announced during the Joint Council Dinner on Thursday, March 3. The Council on Epidemiology and Prevention gratefully acknowledges the grant provided by the Sandra A. Daugherty Foundation.

Winners for the following awards will be recognized at the Joint Council Dinner at 7:00 PM Thursday, March 3.

The Roger R. Williams Memorial Award for Genetic Epidemiology and the Prevention and Treatment of Atherosclerosis is named for Dr. Roger R. Williams' pioneering work in the field of the genetics of inherited lipid disorders and the prevention of atherosclerosis.

Winner	Presentation Number	Presentation Date/Time
Steve Nguyen	MP25	Wednesday, March 2, 5:00 PM

The Council on Epidemiology and Prevention gratefully acknowledges the grant provided by Merck, Inc. for the support of this award.

The Trudy Bush Fellowship for Cardiovascular Disease Research in Women's Health is named for Dr. Trudy Bush, to honor her outstanding leadership in the field of women's health and contributions to cardiovascular science.

Winners	Presentation Number	Presentation Date/Time
Anna Gorczyca	15	Wednesday, March 2, 4:00 PM
Nina Paynter	P192	Thursday, March 3, 5:00 PM
Jin Li	31	Friday, March 4, 9:15 AM

The **Council on Lifestyle and Cardiometabolic Health** is pleased to announce the names of the winners of the following awards. **All awardees will be recognized at the Joint Council Dinner 7:00 PM Thursday, March 3.**

Award for Excellence in Research Addressing Cardiovascular Health Equity. This award recognizes an outstanding abstract submitted by an investigator in the area of cardiovascular health equity, including the areas of health behaviors, risk factors and CVD clinical outcomes.

Winner	Presentation Number	Presentation Date/Time
Zach Conrad	1	Wednesday, March 2, 10:30 AM

The **Mark Bieber Award** honors the memory of Dr. Mark Bieber, one of the founding members of the AHA Industry Nutrition Advisory Panel, for his significant contributions to the field of nutritional science.

Winner	Presentation Number	Presentation Date/Time
Josiemer Mattei	MP08	Tuesday, March 1, 5:30 PM

The Council on Lifestyle and Cardiometabolic Health gratefully acknowledges the educational grant provided by the AHA Industry Nutrition Advisory Panel for the support of this award.

Conference Awards (continued)

Early Investigator Travel Award encourages trainees and early career investigators to pursue careers in cardiovascular research related to lifestyle and cardiometabolic health. The key topic areas include behavior, diabetes, lipids, nutrition, obesity and physical activity. The council is dedicated to honoring early career investigators and exposing them to AHA conferences and learning opportunities.

Winner	Presentation Number	Presentation Date/Time
Kristin Hirahatake	MP22	Tuesday, March 1, 5:30 PM
Youngwon Kim	MP18	Tuesday, March 1, 5:30 PM
Nicole Spartano	MP16	Tuesday, March 1, 5:30 PM
Fei Dong	P152	Wednesday, March 2, 5:00 PM
Geng Zong	MP48	Wednesday, March 2, 5:00 PM
Sally Adebamowo	P317	Friday, March 4, 4:30 PM
Michael Grandner	MP95	Friday, March 4, 4:30 PM
Christopher Kline	MP92	Friday, March 4, 4:30 PM
Pasquale Rummo	33	Friday, March 4, 10:00 AM
Yeyi Zhu	P274	Friday, March 4, 4:30 PM

The **Steven N. Blair Award for Excellence in Physical Activity Research** is named for Dr. Blair in appreciation of his outstanding career as a clinical researcher working in the areas of exercise, physical activity and cardiovascular health.

Winner	Presentation Number	Presentation Date/Time
Javier Valero-Elizondo	13	Wednesday, March 2, 3:30 PM

The **Scott Grundy Fellowship Award for Excellence in Metabolism Research** is named for Dr. Scott Grundy, a distinguished leader in the metabolic determinants of atherosclerosis. The award is designed to recognize three outstanding abstracts submitted by young investigators.

Winners	Presentation Number	Presentation Date/Time
Jiantao Ma	20	Thursday, March 3, 10:45 AM
Tao Huang	MP74	Thursday, March 3, 5:00 PM
Wenjie Ma	47	Friday, March 4, 2:15 PM

The **Council on Epidemiology and Prevention** is pleased to support the following awards. Winners will be recognized at the Joint Council Dinner at 7:00 PM Thursday, March 3.

Epidemiology and Prevention Mentoring Award Winner

Philip Greenland, MD, Northwestern University

Epidemiology and Prevention Early Career Travel Award Winners

Nketi Forbang, MD, MPH, University of California San Diego
 Alexandra Lee, MSPH, Johns Hopkins University
 Kirsten Dorans, ScD, BSc, Harvard T.H. Chan School of Public Health
 Yan Xu, MD, BSc, Queens University
 Alexander Montoye, PhD, BS, Ball State University
 Hyacinth Hyacinth, MD, MPH, PhD, Emory University
 Duke Appiah, PhD, MPH, BSc, University of Minnesota
 Yan Li, PhD, MS, BS, The New York Academy of Medicine
 Hamidreza Saber, MPH, MD, Wayne State University School of Medicine
 Candice Myers, BA, MA, PhD, Pennington Biomedical Research Center

Epidemiology and Prevention Minority Travel Grant Winners

TanYa Gwathmey, MS, PhD, Wake Forest University School of Medicine
 Joshua Joseph, MD, Johns Hopkins University School of Medicine
 Tsion Aberra, MD, National Institutes of Health
 Emmanuel Quaye, MS, Johns Hopkins University
 Ebenezer Oni, MPH, MBBS, The Brooklyn Hospital Center Affiliate of Mount Sinai Icahn School of Medicine
 Kashica Webber-Ritchey, PhD, RN, DePaul University
 Sanae Ferreira, MA, PhD, Boston University School of Medicine

The **American Society for Preventive Cardiology** will present the **Joseph Stokes III Award in Preventive Cardiology** to **Aaron Folsom, MD, MPH**. The Stokes award commemorates Joseph Stokes, III, MD, a cardiologist and epidemiologist who was coprincipal investigator of the Framingham Heart Study. Dr. Stokes joined the project in 1951 as a U.S. Public Health Service physician. During his long and illustrious career, Dr. Stokes sought to promote education, research and clinical practice in the field of preventive cardiology. The award will be presented at the council dinner at 7:00 PM Thursday, March 3.

Program Information

Speaker Resource Room

The Speaker Resource Room is located in **Suite 314**. Speakers are asked to deliver their presentations on CD Rom or USB drive to the Speaker Resource Room **at least 12 hours before the beginning of the session in which they will speak**. (If you are speaking Wednesday morning, see hours for Tuesday below.) Speakers may review and finalize their presentations before submission. It is imperative that you review your presentation in the Speaker Resource Room if it contains video files or was created on a Macintosh computer. Staff will be on hand to assist with technical issues.

The **Speaker Resource Room** will be open during the following hours:

Tuesday, March 1 1:00–7:00 PM
 Wednesday, March 2 7:30 AM–5:00 PM
 Thursday, March 3 7:30 AM–5:00 PM
 Friday, March 4 7:30 AM–5:00 PM

Registration Hours

Tuesday, March 1 1:00–7:00 PM
 Wednesday, March 2 7:00 AM–7:00 PM
 Thursday, March 3 7:30 AM–5:00 PM
 Friday, March 4 7:30 AM–5:00 PM

AHA HealthJobsPlus

The American Heart Association, in partnership with Lippincott Williams & Wilkins (a Wolters Kluwer business), is proud to offer HealthJobsPlus.com. HealthJobsPlus.com provides a first-rate source for those seeking and posting jobs by connecting qualified healthcare professionals with top-notch employers.

Hotel Services

Check-in and Check-out

- Check-in: 3 p.m.
- Check-out: Noon

Internet Access

- Guest rooms: Standard Wireless • High Speed: Check email + browse the Web – Complimentary
- Premium High Speed: Video chat, download large files + stream video + valid in guest rooms, public space and meeting space for \$5 USD/day
- Lobby and public areas: Complimentary Standard Wireless
- Meeting rooms: Wireless

Parking

- On-site parking in Regency Garage: \$2 USD hourly up to \$12 per 24 hour period in Regency Garage, \$19 USD overnight for unlimited “in and out” garage pass
- Valet parking, fee: \$28 USD daily

Hyatt Regency Phoenix StayFit Gym

- Cardiovascular equipment
- Free weights
- Treadmills, step machines, weight machines and bicycle
- Special guest privileges: Complimentary use for guests, open 24 hours with keycard access

Swimming

- Outdoor Pool (Towels provided)
- Outdoor Hot Tub
- Available 8:00 AM–10:00 PM

Policy Information

Disclaimer

The event is a scientific and educational conference for exchanging and discussing research results and scientific developments in the field of cardiovascular disease. Accordingly, the American Heart Association cannot and does not offer any assurance or warranty of the accuracy, truthfulness or originality of the information presented at the conference.

Embargo Guidelines

Conference lectures and presentations are embargoed for release at the time of presentation or release by the AHA media office. Information may not be released before the scheduled presentation time.

Recording Policy

Unauthorized recording of the AHA Scientific Sessions, scientific conferences and International Stroke Conference is prohibited, whether by video, still, or digital photography, audio, or any other recording or reproduction mechanism. This includes recording of presentations and supporting audiovisual materials and of poster presentations and supporting poster materials.

The American Heart Association and American Stroke Association reserve the rights to all recordings or reproductions of presentations at AHA/ASA scientific conferences and meetings.

Exceptions to this policy of prohibition are (1) nonflash photography of the speaker and his/her presentation materials is permitted by attendees or AHA/ASA accredited reporters with the prior written consent of the AHA/ASA and the speaker; (2) other photography and videotaping by AHA/ASA accredited reporters is permitted if not disruptive; (3) audiotape recording for strictly personal and noncommercial use is permitted if not disruptive; and (4) exhibitors may photograph their own booth for their own promotional purposes with the prior written consent of the AHA/ASA.

Conference Photography

Please be aware that during the conference, attendees, vendors and guests may be photographed and videotaped by AHA vendors in capturing the course of the event. Some of these photographs or videos may be displayed by the AHA in future publications or materials connected with the event. If you do not wish your image to be displayed by the AHA, please contact the AHA in writing at 7272 Greenville Avenue, Dallas, TX 75231, Attention: Manager, Scientific Conferences, Annual EPI/LIFESTYLE Conference, no later than March 15, 2016.

No Smoking Policy

AHA policy prohibits smoking in conference meeting rooms and exhibits/registration areas. Thank you for your cooperation.

Seating/Badge Requirement

Seating is on a first-come, first-served basis. According to fire code, a session must be closed if the room fills to capacity. You must wear your name badge at all times during the symposium. Nonregistered guests may not be permitted into the sessions or food and beverage events. Be sure to remove your badge when you leave the conference or your hotel room.

The American Heart Association reserves the right to revoke or deny attendance of any registered participant, speaker, exhibitor, news media reporter or photographer of presentations or activities at AHA/ASA scientific conferences and meetings.

Please note: The American Heart Association shall not be liable for cancellation of the Epidemiology and Prevention/Lifestyle and Cardiometabolic Health 2016 Scientific Sessions caused by labor strikes, civil disorders, fires, weather conditions, or other acts of God or for any damages or losses resulting from such cancellations.

Satellite Symposium

National Heart, Lung and Blood Institute
Trainee Session on Cardiovascular
Epidemiology, Biostatistics and Prevention

Wednesday, March 2, 2016

1:00–5:00 PM

Sundance

Presentations will be 10 minutes, followed by 5 minutes of discussion.

Session I

1:00–3:00 PM

Moderators:

Michael Criqui, MD, MPH, University of California San Diego, San Diego, CA
Bertha Hidalgo, PhD, MPH, University of Alabama at Birmingham, Birmingham, AL

1:00 Effect of Smoking Across Age Groups on Changes in Mean Arterial Pressure During Blood Pressure Lowering

Fialkowski A, Bhatt H, Ghazi L, Siddiqui M, Cofield S, George B, Dawson E, Oparil S, Judd E, Calhoun D, University of Alabama at Birmingham, Birmingham, AL

1:15 Hospitalized Infection as a Trigger for Acute Ischemic Stroke: the ARIC Study

Cowan LT, Alonso A, Pankow JS, Folsom AR, University of Minnesota, Minneapolis, MN; Rosemond WD, University of North Carolina at Chapel Hill, Chapel Hill, NC; Gottesman RF, Johns Hopkins University, Baltimore, MD; Lakshminarayan K, University of Minnesota, Minneapolis, MN

1:30 The Association of Surgical Versus Natural Menopause with Future Left Ventricular Structure and Function: The Coronary Artery Risk Development in Young Adults (CARDIA) Study

Appiah D, Schreiner PJ, University of Minnesota, Minneapolis, MN; Nwabuo CC, Johns Hopkins University, Baltimore, MD; Wellons MF, Vanderbilt University, Nashville, TN; Lewis CE, University of Alabama Birmingham, Birmingham, AL; Lima JA, Johns Hopkins University, Baltimore, MD

1:45 Anemia, Chronic Kidney Disease, and Incident Heart Failure: The Atherosclerosis Risk in Communities (ARIC) Study

Ishigami J, Grams ME, Johns Hopkins University, Baltimore, MD; Naik RP, Johns Hopkins University, Baltimore, MD; Caughey MC, Loehr LR, University of North Carolina at Chapel Hill, Chapel Hill, NC; Coresh J, Matsushita K, Johns Hopkins University, Baltimore, MD

2:00 Early loss of Ideal LDL in Multi-ethnic Populations: Why Focus on the Young is Needed to Achieve the AHA 2020 Goals

Engeda JC, Holliday KM, Hardy ST, Heiss G, Chakladar S, Lin D, Zeng D, Shay C, Avery CL, University of North Carolina at Chapel Hill, Chapel Hill, NC; Pirzada A, Daviglus M, University of Chicago, Chicago, IL; Talavera GA, San Diego State University, San Diego, CA

2:15 Between-pedigree Genome-wide Linkage Screen Identifies a Locus on Chromosome 9 Influencing Coronary Artery Calcification in the Family Heart Study

Hicks, JE, Province, MA, Washington University, Saint Louis, MO

2:30 Cumulative Abdominal Obese-years and Cognitive Function in Older Adults: The Atherosclerosis Risk in Communities (ARIC) Study

Love SA, Palta P, Graff M, Wruck LM, University of North Carolina at Chapel Hill, Chapel Hill, NC; Dearborn J, Yale University, New Haven, CT; Schneider A, Johns Hopkins University, Baltimore, MD; Heiss G, North KE, University of North Carolina at Chapel Hill, Chapel Hill, NC; Windham B.G., University of Mississippi, Jackson, MS.

2:45 Genome-wide Study of Susceptibility to Particulate Matter-associated Decreases in Heart Rate Variability

Gondalia R, Avery CL, Napier Giráldez RM, Stewart JD, University of North Carolina at Chapel Hill, Chapel Hill, NC; Sitlani CM, University of Washington, Seattle, WA; Li, Y, Roach J, North KE, University of North Carolina at Chapel Hill, Chapel Hill, NC; Reiner AP, University of Washington, Seattle, WA; Zhang Z, Wake Forest School of Medicine, Winston-Salem, NC; Tinker LF, Fred Hutchinson Cancer Research Center, Seattle, WA; Liao D, Pennsylvania State University College of Medicine, Hershey, PA; Whitsel, EA, University of North Carolina at Chapel Hill, Chapel Hill, NC; on behalf of MOPMAP investigators.

3:00 Break

Satellite Symposium (continued)

Session II

3:15–5:00 PM

Moderators:

Jacqueline Wright, Dr. Ph., National Heart, Lung, and Blood Institute, NIH, Bethesda, MD

Nina Paynter, Ph.D., Brigham and Women's Hospital, Boston, MA

- 3:15 **Health-Related Quality of Life Among Veterans in addictions treatment: Identifying behavioral targets for future intervention**
Oppezzo MA, Michalek AK, Stanford University, Stanford, CA; Delucchi K, University of California San Francisco, San Francisco, CA; Baiocchi, MTM, Stanford University, Stanford, CA; Barnett PG, University of California San Francisco, San Francisco, CA; Veterans Affairs Palo Alto Health Care System; Prochaska JJ, Stanford University, Stanford, CA
- 3:30 **Offering a Health Empowerment Program in a Faith-based Community Clinic**
McGrane Minton HA, University of Rochester, Rochester, NY; Lytle MC, University of Rochester, Rochester, NY; Coleman R, Monroe Community College, Rochester, NY; Briody S, Kristoffersen M, St. Joseph's Neighborhood Center, Rochester, NY; Sörensen S, University of Rochester, Rochester, NY
- 3:45 **Perceived Discrimination and Incident Type 2 Diabetes: The Multi-Ethnic Study of Atherosclerosis (MESA)**
Whitaker KM, Everson-Rose SA, Pankow JS, University of Minnesota, Minneapolis, MN; Rodriguez CJ, Wake Forest University, Winston-Salem, NC; Lewis TT, Emory University, Atlanta, GA; Kershaw KN, Northwestern University, Chicago IL; Diez Roux AV, Drexel University, Philadelphia, PA; Lutsey PL, University of Minnesota, Minneapolis MN

- 4:00 **Comparative Prognostic Performance of Different Definitions of Prediabetes in the Atherosclerosis Risk in Communities (ARIC) Study**
Warren B, Johns Hopkins University, Baltimore, MD; Pankow JS, University of Minnesota, Minneapolis, MN; Woodward M, Johns Hopkins University, Baltimore, MD, University of Sydney, Sydney, Australia, University of Oxford, Oxford, United Kingdom; and Selvin E, Johns Hopkins University, Baltimore, MD
- 4:15 **Changes in Income Inequality and Cardiovascular Disease Risk Factors in South Africa**
Adjaye-Gbewonyo K, Kawachi I, Subramanian SV, Avendano M, Harvard University, Boston, MA; London School of Economics and Political Science, London, UK
- 4:30 **Association Between Parity and Inflammation Varies by Acculturation Level Among Mexican American Women of Childbearing Age**
Rosenberg N, Daviglus ML, Eldeirawi K, University of Illinois, Chicago, IL.
- 4:45 **Trunk Fat as a Predictor of Cardiovascular Outcomes in Postmenopausal Women: The Women's Health Initiative DXA Cohort**
Laddu DR, Assimes T, Qin FF, Hedlin H, Stanford University, Stanford, CA; Zaslavsky O, University of Washington, Seattle, WA; Stefanick ML, Stanford University, Stanford, CA.
- 5:00 **Adjourn**

Program

Tuesday, March 1

Simulation Modeling to Inform Future Public Health Interventions to Decrease the Burden of Cardiovascular Disease in the United States

4:30–5:30 PM

Cowboy Artist's Room

Moderators:

Barbara Bowman, PhD; Centers for Disease Control and Prevention (CDC), Atlanta, GA
Thomas Wang, MD, Vanderbilt University, Nashville, TN

Presented by Yuling Hong, MD, MSc, PhD; Associate Director for Science, DHDSP/NCCDHP/CDC; Matthew Ritchey, PT, DPT, MPH, OCS; Senior Scientist, DHDSP/NCCDHP/CDC; Pamela Coxson, PhD; Mathematician, Cardiovascular Disease Modelling Group, Center for Vulnerable Populations and Department of Medicine, University of California, San Francisco

Introducing PCORnet: An Emerging Resource for Cardiovascular Epidemiology and Outcomes Research

4:00–5:30 PM

Ellis

Presented by Mark Pletcher, MD, MPH, University of California San Francisco and Veronique Roger, MD, MPH, FAHA, Mayo Clinic

Poster Session 1

5:30–7:30 PM

Atrium

Poster Sessions

(P001–P083)

See page 31 for a full listing of the poster presentations. (Please note there are some instances when presentations are not in numerical order due to changes requested by the presenter.)

- 2020 Goals
- Arrhythmia/Sudden Death
- Biomarkers
- Childhood and Youth
- Diabetes
- Environmental Agents and Smoking
- Health Services Research/Outcomes/Practice Improvement
- HIV
- “Other”

Moderated Posters

(MP001–MP024)

See page 31 for a full listing of the moderated poster presentations

Moderated portion of this session takes place from 6:00–7:00 PM

- Getting to 2020
- Health Disparities
- Physical Activity and Health Outcomes
- Prospective Nutritional Trials

Wednesday, March 2

6:00 **Yoga**
Phoenix Ballroom East

6:00 **Zumba**
Phoenix Ballroom West

7:00 **Continental Breakfast**
Atrium

Session 1

From Precision Medicine to a Culture of Health

8:00–10:00 AM

Regency Ballroom

Moderators:

Lawrence J. Appel, MD, MPH, FAHA, Johns Hopkins Medical Institutions, Baltimore, MD
David S. Siscovick, MD, MPH, FAHA, New York Academy of Medicine, New York, NY

- 8:00 **Welcome Remarks**
Veronique L. Roger, MD, MPH, FAHA, Chair, EPI/Lifestyle 2016 Program Committee
Mark Creager, MD, FAHA, President of the American Heart Association
- 8:30 **Towards Precision Population Health**
Sonia Angell, MD, MPH, New York City Department of Health and Mental Hygiene, New York, NY
- 8:50 **Diabetes Care and Prevention: Genetics and Behavior**
William C. Knowler, MD, DrPH, NIDDK, National Institutes of Health
- 9:10 **Culture of Health: Can the Social Determinants of Heart Disease and Stroke Be Managed**
Thomas A. Pearson, MD, MPH, PhD, University of Florida, Gainesville, FL

Refreshment Break and Exhibits

10:00–10:30 AM

Atrium

TUESDAY/WEDNESDAY

Program (continued)

Session 2

A Culture of Health

10:30 AM–Noon

Regency Ballroom

Moderators:

Robert Ross, PhD, Queens University,
Kingston, ON

Wayne Rosamond, PhD, MS, University of North
Carolina School of Public Health, Chapel Hill, NC

- 10:30 **Supplemental Nutrition Assistance Program (SNAP) Participants Exhibit Higher Rates of Cardiometabolic Mortality Compared to SNAP Eligible Non-participants and SNAP Ineligible Americans** 1

Zach Conrad, Friedman Sch of Nutrition Science and Policy, Tufts Univ, Boston, MA; Colin Rehm, Office of Community and Population Health, Montefiore Medical Ctr, Bronx, NY; Dariush Mozaffarian, Friedman Sch of Nutrition Science and Policy, Tufts Univ, Boston, MA

- 10:45 **American Heart Association (AHA)'s Life's Simple 7 and Risk of Lower Extremity Peripheral Artery Disease (PAD): The Multi-Ethnic Study of Atherosclerosis (MESA)** 2

Christina L Wassel, Univ of Vermont, Burlington, VT; Laura Rasmussen-Torvik, Northwestern Univ, Chicago, IL; Alexis Frazier-Wood, Baylor Coll of Med, Houston, TX; Matthew A. Allison, Univ of California, San Diego, La Jolla, CA; Mary M. McDermott, Northwestern Univ, Chicago, IL; Aaron R. Folsom, Univ of Minnesota, Minneapolis, MN; Donald M. Lloyd-Jones, Norrina B. Allen, Northwestern Univ, Chicago, IL; Gregory L. Burke, Wake Forest Univ, Winston-Salem, NC; Moyses Szklo, Johns Hopkins Univ, Baltimore, MD; Michael H. Criqui, Univ of California, San Diego, La Jolla, CA; Mary Cushman, Univ of Vermont, Burlington, VT

- 11:00 **Choice Architecture Increases WIC Fruit and Vegetable Purchases in a Latino Community: Randomized, Controlled Corner Store Intervention** 3

Anne N. Thorndike, Massachusetts General Hosp and Harvard Medical Sch, Boston, MA; Oliver-John M. Bright, Melissa A. Dimond, Ronald Fishman, Massachusetts General Hosp, Boston, MA; Douglas E. Levy, Massachusetts General Hosp and Harvard Medical Sch, Boston, MA

- 11:15 **Validation of the Instant Blood Pressure Smartphone Application (App)** 4

Timothy B. Plante, Bruno Urrea, Johns Hopkins Univ, Baltimore, MD; Zane T. MacFarlane, Pomona Coll, Claremont, CA; Roger S. Blumenthal, Edgar R Miller III, Lawrence J. Appel, Seth S. Martin, Johns Hopkins Univ, Baltimore, MD

- 11:30 **Associations of Objectively-measured Sedentary Time and Physical Activity With Meeting Cardiovascular Risk Factor Control Goals in U.s. Hispanic/Latino Adults With Diabetes: The Hispanic Community Health Study/study of Latinos (hchs/sol)** 5

Qibin Qi, Xueyin Wang, Garrett Strizich, Dept of Epidemiology and Population, Albert Einstein Coll of Med, Bronx, NY; Daniela Sotres-Alvarez, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Christina Buelna, Linda Gallo, San Diego State Univ, San Diego, CA; Marc Gellman, Univ of Miami, Miami, FL; Yasmin Mossavar-Rahmani, Dept of Epidemiology and Population, Albert Einstein Coll of Med, Bronx, NY; Matthew O'Brien, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Mark Stoutenberg, Univ of Miami, Miami, FL; Tao Wang, Dept of Epidemiology and Population, Albert Einstein Coll of Med, Bronx, NY; Larissa Aviles-Santa, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Robert Kaplan, Dept of Epidemiology and Population, Albert Einstein Coll of Med, Bronx, NY

- 11:45 **Long-term Blood Pressure Variability Throughout Young Adulthood and Mid-life Cerebrovascular Structure and Function: The Coronary Artery Risk Development in Young Adults (CARDIA) Study** 6

Yuichiro Yano, Norrina Allen, Northwestern Univ, Chicago, IL; Guray Erus, Univ of Pennsylvania Health System, Philadelphia, PA; Laura Colangelo, Northwestern Univ, Chicago, IL; Deborah Levine, Univ of Michigan Medical Sch, Ann Arbor, MI; Stephen Sidney, Kaiser Permanente Northern California, Oakland, CA; R. Nick Bryan, Univ of Pennsylvania, Philadelphia, PA; Anthony Viera, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Jared Reis, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Daichi Shimbo, Columbia Univ Medical Ctr, New York, NY; Pamela Schreiner, Univ of Minnesota, Minneapolis, MN; Hongyan Ning, Yacob Tedla, Kiang Liu, Philip Greenland, Donald Lloyd-Jones, Northwestern Univ, Chicago, IL; Lenore Launer, Natl Inst on Aging, Bethesda, MD

Lifestyle and Cardiometabolic Health Annual Business Meeting & Networking Luncheon

Noon–1:30 PM

(Ticketed Event)

Phoenix Ballroom

Negotiation: A Comfortable Discussion About an Often Uncomfortable Topic

WEDNESDAY

Session 3

Health Disparities

1:30–3:00 PM

Regency Ballroom

Moderators:

Luc Djousse, MD, MPH Brigham and Women's Hospital and Harvard Medical School, Boston, MA
Lenny Lopez, MD, MPH, University of California, San Francisco, San Francisco, CA

- 1:30 **Perceptions of Neighborhood Environment Are Associated With Shorter Telomere Length in African American Women** **7**
Samson Y. Gebreab, Pia Riestra, Rumana J. Khan, Ruihua Xu, Amadou Gaye, Sharon K. Davis, Natl Human Genome Res Inst, NIH, Bethesda, MD
- 1:45 **The Impact of Food Taxation and Subsidy Policies on Cardiometabolic Disparities in the US** **8**
Jose L. Penalvo, Fred Cudhea, Renata Micha, Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA; Ashkan Afshin, Institute for Health Metrics and Evaluation, University of Washington, Seattle, WA; Colin Rehm Montefiore Medical Center, New York, NY; Parke Wilde, Masha Shulkin, Eve Bishop, Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA; Johathan Pearson-Stuttard, Imperial College, London United Kingdom; Martin O'Flaherty, University of Liverpool, Liverpool, United Kingdom; Thomas Gaziano, Harvard T.H. Chan School of Public Health, Boston, MA; Laurie Whitsel, American Heart Association, Pittsburgh, PA; Simon Capewell, University of Liverpool, Liverpool, United Kingdom; Dariush Mozaffarian, Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA
- 2:00 **Technology Fluency is Not a Barrier to User Adoption of a Mobile Health (mHealth) Wrist-worn Physical Activity (PA) Monitor System: Observations from the Washington, D.C. Cardiovascular (CV) Health and Needs Assessment** **9**
Leah Yingling, NIH, Bethesda, MD; Colby Ayers, Univ of Texas Southwestern Medical Ctr, Dallas, TX; Marlene Peters-Lawrence, Gwenyth Wallen, Valerie Mitchell, Alyssa Todaro-Brooks, Dana Sampson, Johnetta Saygbe, NIH, Bethesda, MD; JaWanna Henry, Univ of Maryland, Baltimore County, Baltimore, MD; Samantha Thomas, Joel Adu-Brimpong, Kenneth Wiley Jr., NIH, Bethesda, MD; Avis Graham, Lennox Graham, Allan Johnson, Howard Univ, Washington, DC; Tiffany Powell-Wiley, NIH, Bethesda, MD

- 2:15 **Widening Rural Disadvantage in United States Premature Heart Disease Mortality: Trends by Region and Race/Ethnicity, 2000–2013** **10**
Elizabeth B. Pathak, Natl Ctr for Health Statistics, Hyattsville, MD; Colin J. Forsyth, Univ of South Florida, Tampa, FL
- 2:30 **Neighborhood Social Cohesion and Meeting Physical Activity Guidelines: Does the Association Differ by Race/Ethnicity?** **11**
Stella Yi, Chau Trinh-Shevrin, NYU Sch of Med, New York, NY; Irene H. Yen, Univ of California San Francisco, San Francisco, CA; Simona C. Kwon, NYU Sch of Med, New York, NY
- 2:45 **Socioeconomic Correlates of Cardiovascular Disease Risk in African Americans: the Jackson Heart Study** **12**
Yuan-I Min, Pramod Anugu, Kenneth Butler, Adolfo Correa, Univ of Mississippi Medical Ctr, Jackson, MS; Tara Hartley, Natl Inst for Occupational Safety and Health, CDC, Morgantown, WV; Stanford Mwasongwe, Jackson State Univ, Jackson, MS; Arnita Norwood, Mario Sims, Valerie Wallace, Wei Wang, Karen Winters, Univ of Mississippi Medical Ctr, Jackson, MS

Refreshment Break and Exhibits

3:00–3:30 PM

Atrium

Session 4

Physical Activity and Cardiorespiratory Fitness

3:30–5:00 PM

Regency Ballroom

Moderators:

Marie-France Hivert, MD, MMSc, Harvard Pilgrim Health Care Institute, Boston, MA
Janet E Fulton, PhD, Centers for Disease Control and Prevention, Atlanta, GA

- 3:30 **Economic Impact of Moderate-Vigorous Physical Activity Among Those With and Without Established Cardiovascular Disease: 2012 Medical Expenditure Panel Survey** **13**
Javier Valero-Elizondo, Joseph A. Salami, Chukwuemeka U. Osundu, Adnan Younus, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL; Alejandro Arrieta, Dept of Health Policy and Management, Robert Stempel Coll of Public Health, Florida Intl Univ, Miami, FL; Erica S. Spatz, Ctr for Outcomes Res

- and Evaluation, Yale-New Haven Hosp., New Haven, CT; Jamal S. Rana, Div of Cardiology, Kaiser Permanente Northern California, Oakland, California, San Francisco, CA; Salim S. Virani, Section of Cardiology, Baylor Coll of Med, Houston, TX; Ron Blankstein, Non-Invasive Cardiovascular Imaging Program, Dept of Med (Cardiovascular Div) and Radiology, Brigham and Women's Hosp, Boston, MA; Michael J. Blaha, The Johns Hopkins Ciccarone Ctr for Prevention of Cardiovascular Disease., Baltimore, MD; Emir Veledar, Khurram Nasir, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL
- 3:45 **Midlife Cardiorespiratory Fitness is Associated with Lower Incidence of Depression and Cardiovascular Death With or Without Incident Depression in Later Life** **14**
Benjamin L. Willis, David S. Leonard, Carolyn E. Barlow, Shannon J. Fitzgerald, The Cooper Inst, Dallas, TX; Scott B. Martin, University of North Texas, Denton, TX; Laura F. DeFina, The Cooper Inst, Dallas, TX
- 4:00 **Change in Physical Activity and Sitting Time After Myocardial Infarction and Mortality Among Postmenopausal Women in the Women's Health Initiative-Observational Study** **15**
Anna M. Gorczyca, Indiana Univ, Bloomington, IN; Charles B Eaton, Brown Univ, Providence, RI; Michael J. LaMonte, Univ of Buffalo, Buffalo, NY; JoAnn E. Manson, Brigham and Women's Hosp, Boston, MA; Jeanne D. Johnston, Aurelian Bidulescu, Indiana Univ, Bloomington, IN; Molly E. Waring, Univ of Massachusetts Medical Sch, Worcester, MA; Todd M Manini, Univ of Florida, Gainesville, FL; Lisa Martin, George Washington Univ, Washington, DC; Marcia L. Stefanick, Stanford Univ, Stanford, CA; Ka He, Andrea K. Chomistek, Indiana Univ, Bloomington, IN
- 4:15 **Economic Cost of Type 2 Diabetes Attributable to Physical Inactivity in the United States in 2012** **16**
Priyank P. Shah, St. Joseph's Regional Medical Ctr, Bloomfield, NJ; Fayez Shamoon, Mahesh Bikkina, St. Joseph's Regional Medical Ctr, Paterson, NJ; Harold Kohl III, Univ of Texas Sch of Public Health, Austin, TX
- 4:30 **Exercise Capacity and Primary Prevention of Major Adverse Cardiac Events in Veterans: The ETHOS Study** **17**
Peter Kokkinos, Charles Faselis, Veterans Affairs Medical Ctr, Washington, DC; Jonathan Myers, Veterans Affairs Palo Alto Health Care System, Palo Alto, CA; Puneet Narayan, Veterans Affairs Medical Ctr, Washington, DC
- 4:45 **The Impact of an Ambulation Orderly Program on Hospital Outcomes for Patients with Recent Open Heart Surgery** **18**
Quinn R. Pack, Saki Miwa, Baystate Medical Ctr, Springfield, MA; Erin Woodbury, Springfield Coll, Springfield, MA; Richard Engelman, Tara Lagu, Paul Visintainer, Peter Lindenauer, Baystate Medical Ctr, Springfield, MA

Poster Session 2

5:00–7:00 PM

Atrium

Poster Sessions

(P084–P160)

See page 31 for a full listing of the poster presentations. (Please note there are some instances when presentations are not in numerical order due to changes requested by the presenter.)

- Ethnic Health Disparities
- Heart Failure
- Lipids and Lipoproteins
- Peripheral Artery Disease and Venous Thrombosis
- Physical Activity and Fitness
- Nutrition 1
- Sedentary Behavior

Moderated Posters

(MP025–MP048)

See page 31 for a full listing of the moderated poster presentations

Moderated portion of this session takes place from 5:30–6:30 PM.

- Biomarkers of Cardiovascular Disease and All-Cause Mortality
- Determinants of Heart Failure
- Lipids, Lipoproteins and Cardiovascular Disease
- Emerging Exposures and Tools

Hearts Diversity Reception

7:00–8:00 PM

Sundance

Hosted by the Council on Epidemiology and Prevention Minority Committee

Program (continued)

Thursday, March 3

6:00 Fun Walk/Run

7:00 Continental Breakfast and Exhibits
Atrium

Session 5

8:00–10:00 AM

Regency Ballroom

Moderators:

Christopher D Gardner, Stanford University,
Stanford, CA

Marie-Pierre St-Onge, Columbia University,
New York, NY

8:00 **The David Kritchevsky Memorial Lecture**
Ramón Estruch, MD, PhD, University of Barcelona,
Barcelona, Spain

8:30 **Greater Alignment Between Public Health and
The Food Industry Being Driven by Consumer
Demand**
Greg Drescher, Culinary Institute of America,
Hyde Park, NY
June Jo Lee, Hartman Group, Inc., Bellvue, WA

Refreshment Break and Exhibits

10:00–10:30 AM

Atrium

Connection Corner

10:00–10:30 AM

Atrium

Session 6

Concurrent A: Hot Off the Press

10:30 AM–Noon

Regency Ballroom

This session is a forum for in-depth discussion of important publications that were released less than six months before the conference. Please visit the registration desk for details on the presentations.

Session 6

Concurrent B: Obesity and Adipose Tissue Distribution

10:30 AM–Noon

Ellis

Moderators:

Gerald Jerome, PhD Towson University,
Towson, MD

Xuewen Wang, PhD, University of South Carolina,
Columbia, SC

10:30 **Pericardial Fat Volume is Associated with Incident Atrial Fibrillation: the Multi-Ethnic Study of Atherosclerosis and the Jackson Heart Study** 19

Susan R. Heckbert, Kerri L. Wiggins, Univ of Washington, Seattle, WA; Chad Blackshear, Univ of Mississippi, Jackson, MS; Benjamin F. Banahan, Yi Yang, Univ of Mississippi, Oxford, MS; Jingzhong Ding, Wake Forest Univ, Winston-Salem, NC; Jiankang Liu, Brigham and Women's Hosp, Boston, MA; Barbara McKnight, Univ of Washington, Seattle, WA; Alvaro Alonso, Univ of Minnesota, Minneapolis, MN; Thomas R. Austin, Univ of Washington, Seattle, WA; Emelia J. Benjamin, Boston Univ, Boston, MA; Lesley H. Curtis, Duke Univ, Durham, NC; Nona Sotoodehnia, Univ of Washington, Seattle, WA; Adolfo Correa, Univ of Mississippi, Jackson, MS

10:45 **Fatty Liver is Associated with Greater Incidence of Cardiovascular Risk Factors** 20
Jiantao Ma, Shih-Jen Hwang, Natl Heart, Lung, and Blood Inst's Framingham Heart Study and Population Sciences Branch, Framingham, MA; Udo Hoffmann, Radiology Dept, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Caroline S. Fox, Natl Heart, Lung, and Blood Inst's Framingham Heart Study and Population Sciences Branch, Framingham, MA; Michelle T. Long, Dept of Gastroenterology, Boston Univ Sch of Med, Boston, Boston, MA

11:00 **Associations of Nonalcoholic Fatty Liver Disease with Measures of Early Brain Health** 21
Lisa B. VanWagner, Northwestern Univ, Chicago, IL; James G. Terry, Vanderbilt Univ, Nashville, TN; Lisa Chow, Univ of Minnesota, Minneapolis, MN; Amy Alman, Univ of South Florida, Tampa, FL; Hakmook Kang, Vanderbilt Univ, Nashville, TN; Katherine Ingram, Kennesaw State Univ, Kennesaw, GA; Christina Shay, Univ of North Carolina, Chapel Hill, NC; Cora E. Lewis, Univ of Alabama Birmingham, Birmingham,

THURSDAY

Program (continued)

THURSDAY

AL; Robert N. Bryan, Univ of Pennsylvania, Philadelphia, PA; Lenore Launer, Natl Insts of Health, Bethesda, MD; J. Jeffrey Carr, Vanderbilt Univ, Nashville, TN

- 11:15 **Cardiovascular Fat in Women at Midlife: Effects of Race, Overall Adiposity, and Central Adiposity. The SWAN Cardiovascular Fat Ancillary Study** **Carrie L. Hanley**, Karen Matthews, Maria M. Brooks, Univ of Pittsburgh, Pittsburgh, PA; Imke Janssen, Rush Univ Medical Ctr, Chicago, IL; Matthew J. Budoff, Los Angeles Biomedical Res Inst, Torrance, CA; Akira Sekikawa, Suresh Mulukutla, Samar R. El Khoudary, Univ of Pittsburgh, Pittsburgh, PA 22
- 11:30 **Visceral Adiposity is Associated with Persistently High and Less Variable Blood Pressure: Results from the Dallas Heart Study** **Yuichiro Yano**, Northwestern Univ, Chicago, IL; Wanpen Vongpatanasin, Colby Ayers, Aslan Turer, Alvin Chandra, Univ of Texas Southwestern Medical Ctr, Dallas, TX; Mercedes Carnethon, Philip Greenland, Northwestern Univ, Chicago, IL; James de Lemos, Ian Neeland, Univ of Texas Southwestern Medical Ctr, Dallas, TX 23
- 11:45 **Changes in Generalized and Central Adiposity Are Dynamically Associated with Left Ventricular Remodeling** **Bryan R. Wilner**, Sonia Garg, Colby R. Ayers, Satyam Sarma, Anand Rohatgi, Sandeep R. Das, Darren K. McGuire, James A. de Lemos, Mark H. Drazner, Ian J. Neeland, UT Southwestern Medical Ctr, Dallas, TX 24

Council on Epidemiology and Prevention Annual Business Meeting and Networking Luncheon

Mentoring Across the Career Trajectory
Noon–1:30 PM
(Ticketed Event)
Phoenix Ballroom

Early Career Special Presentation
Transitioning from Fellow to Faculty: Navigating the Job Search, Interviews, Negotiations, and More
Noon–1:30 PM
Cowboy Artist's Room

Session 7 Stamler Award Finalists

1:30–3:00 PM
Regency Ballroom

Moderators:

Wayne D. Rosamond, PhD, MS, University of North Carolina School of Public Health, Chapel Hill, NC
Martha Daviglus, MD, PhD, Northwestern University, Chicago, IL

- 1:30 **Favorable Modifiable Cardiovascular Risk Profile Is Associated With Lower Healthcare Costs: The 2012 Medical Expenditure Panel Survey** **Javier Valero-Elizondo**, Joseph A. Salami, Oluseye Ogunmoroti, Ehimen C. Aneni, Rehan Malik, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL; Erica S. Spatz, Ctr for Outcomes Res and Evaluation, Yale-New Haven Hosp., New Haven, CT; Jamal S. Rana, Div of Cardiology, Kaiser Permanente Northern California, Oakland, California, San Francisco, CA; Salim S. Virani, Section of Cardiology, Baylor Coll of Med, Houston, TX; Ron Blankstein, Non-Invasive Cardiovascular Imaging Program, Dept of Med (Cardiovascular Div) and Radiology, Brigham and Women's Hosp, Boston, MA; Michael J. Blaha, The Johns Hopkins Ciccarone Ctr for Prevention of Cardiovascular Disease., Baltimore, MD; Emir Veledar, Khurram Nasir, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL 25
- 1:45 **Assessing and Refining Cardiovascular Disease Risk Estimation among Patients with Human Immunodeficiency Virus: Center for Acquired Immunodeficiency Syndrome Research Network of Integrated Clinical Systems** **Matthew J. Feinstein**, Northwestern Univ, Chicago, IL; Daniel R. Drozd, Univ of Washington Sch of Med, Seattle, WA; Hongyan Ning, Northwestern Univ, Chicago, IL; Joseph A. Delaney, Robin Nance, Univ of Washington Sch of Med, Seattle, WA; William C. Mathews, Univ of California-San Diego Medical Ctr, San Diego, CA; Mari Kitahata, Univ of Washington Sch of Med, Seattle, WA; Michael Saag, Univ of Alabama-Birmingham Sch of Med, Birmingham, AL; Joseph Eron, Univ of North Carolina Sch of Med, Chapel Hill, NC; Richard Moore, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Chad J Achenbach, 26

Program (continued)

- Northwestern Univ, Chicago, IL; Heidi Crane, Univ of Washington Sch of Med, Seattle, WA; Donald M. Lloyd-Jones, Northwestern Univ, Chicago, IL
- 2:00 **Is Butter Back? A Systematic Review and Meta-analysis Of Butter Consumption and Risk of Cardiovascular Disease, Diabetes and Total Mortality** 27
Laura Pimpin, Tufts Friedman Sch of Nutrition Science & Policy, Boston, MA; Jason Wu, Hila Haskelberg, The George Inst for Global Health, Sydney, Australia; Liana Del Gobbo, Dariush Mozaffarian, Tufts Friedman Sch of Nutrition Science & Policy, Boston, MA
- 2:15 **Non-Alcoholic Fatty Liver Disease is Associated With Arterial Distensibility, Carotid Intima Media Thickness and Coronary Artery Calcification: The Multi-Ethnic Study of Atherosclerosis** 28
Ebenezer T. Oni, The Brooklyn Hosp Ctr Affiliate Mount Sinai Ichan Sch of Med, Brooklyn, NY; Matthew J. Budoff, Dept of Med, LA Biomedical Res Inst at Harbor, UCLA, California, CA; Irfan Zeb, Dept of Med, Bronx Lebanon Hosp, Bronx, NY; Dong Li, LA Biomedical Res Inst at Harbor, UCLA, California, CA; Emir Veledar, Florida Intl Univ, Miami, FL; Joseph F Polak, Tufts Univ Sch of Med, Boston MA, MA; Ron Blankstein, Brigham and Women's Hosp and Harvard Medical Sch, Boston MA, MA; Nathan D. Wong, Div of Cardiology Univ of CA, Irvin, Irvin, CA; Arthur S. Agatston, Baptist Health South Florida, Miami, FL; Michael J. Blaha, Roger S. Blumenthal, Johns Hopkins Ciccarone Ctr for the Prevention of Heart Disease, Baltimore, MD; Khurram Nasir, Baptist Health South Florida, Miami, FL
- 2:30 **Changes in Three Diet Quality Scores and Total and Cause-Specific Mortality** 29
Mercedes Sotos-Prieto, Shilpa N. Bhupathiraju, Josiemer Mattei, Harvard T.H. Chan Sch of Public Health, Boston, MA; Teresa T. Fung, Harvard T.H. Chan Sch of Public Health, Boston, MA & Simmons Coll, Boston, MA; Yanping Li, Harvard T.H. Chan Sch of Public Health, Boston, MA; An Pan, Sch of Public Health, Tongji Medical Coll, Huazhong Univ of Science and Technology, Wuhan, China; Walter C. Willett, Eric B. Rimm, Frank B. Hu, Harvard T.H. Chan Sch of Public Health, Boston, MA & Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA

Refreshment Break and Exhibits

3:00–3:30 PM

Atrium

Connection Corner

3:00–3:30 PM

Atrium

Session 8

The Role of Genomics in Cardiovascular Health

3:30–5:00 PM

Regency Ballroom

Moderators:

TBD

Thomas Wang, MD, Vanderbilt University, Nashville, TN

The Future of Genetics and Genomics in CV Health

Jennifer Hall, PhD, University of Minnesota, Minneapolis, MN

The PMI: How Will it Change the Landscape of Population Science and Improve Health?

Teri Manolio, MD, PhD, FAHA, National Human Genome Research Institute, Bethesda, MD

Personalized Medicine from the Perspective of Modern Genomics

Jill Hagenkord, MD, FCAP, 23andME, Inc., Mountain View, CA

Poster Session 3

5:00–7:00 PM

Atrium

Poster Sessions

(P161–P243)

See page 31 for a full listing of the poster

presentations. (Please note there are some instances when presentations are not in numerical order due to changes requested by the presenter.)

- Aging and Elderly
- Hypertension
- Metabolomics/Proteomics and CVD
- Pregnancy and Maternal/Fetal Health
- Psychosocial/Quality of Life/Social Determinants of Cardiovascular Health
- Renal Disease
- Subclinical Disease

Moderated Poster Sessions

(MP049–MP072)

See page 31 for a full listing of the moderated poster presentations

Moderated portion of this session takes place from 5:30–6:30 PM.

- Healthy Aging
- Hypertension and Race
- Population Burden of CVD
- Insulin Resistance

THURSDAY

Program (continued)

Joint Council Annual Reception and Dinner

7:00–11:00 PM

(Ticketed Event)

Regency Ballroom

Friday, March 4

6:00 **Yoga**
Phoenix Ballroom East

6:00 **Zumba**
Phoenix Ballroom West

7:00 **Continental Breakfast**
Atrium

Early Career Presentation Developing Your Five and Ten Year Plan

7:30–8:20 AM

Regency Ballroom

Presented by Donna K. Arnett, PhD, MSPH, FAHA,
UAB School of Medicine, Birmingham, AL

Session 9 New Tools and Methods

8:30–10:00 AM

Regency Ballroom

Moderators:

Christina Parrinello, PhD, MPH, Albert Einstein
College of Medicine, Bronx, NY
Evan L Thacker, PhD Brigham Young University,
Provo, UT

8:30 **The Richard D. Remington
Methodology Lecture
Building and Evaluating Risk Prediction
Models – Challenges and Opportunities in the
Era of “Big Data”**
Michael Pencina, PhD, Duke University,
Durham, NC

9:00 **Global Electrical Heterogeneity on
Electrocardiogram is Associated With
Sudden Cardiac Death After Adjustment
for Ejection Fraction**
Larisa G. Tereshchenko, Oregon Health &
Science Univ, Portland, OR; Jonathan Waks,
Beth Israel Deaconess Medical Ctr, Boston,
MA; Mary Biggs, Colleen Sittani, Univ of
Washington, Seattle, WA; Muammar Kabir,
Golriz Sedaghat, Jason Thomas, Charles
Henrikson, Oregon Health & Science Univ,
Portland, OR; Tor Biering-Sørensen, Brigham
and Women's Hosp, Boston, MA; Sunil
Agarwal, Johns Hopkins Univ Sch of Public
Health, Baltimore, MD; Nona Sotoodehnia,
Univ of Washington, Seattle, WA; David
Siscovick, New York Acad of Med, New York,

NY; Wendy Post, Johns Hopkins Univ Sch
of Med, Baltimore, MD; Scott Solomon,
Brigham and Women's Hosp, Boston, MA;
Elsayed Soliman, Wake Forest Sch of Med,
Winston Salem, NC; Alfred Buxton, Mark
Josephson, Beth Israel Deaconess Medical
Ctr, Boston, MA

9:15 **A Multi-ethnic Mendelian Randomization
Study of Moderate Alcohol Use and the
Risk of Atherosclerotic Cardiovascular
Disease in the Women's Health Initiative**

Jin Li, Elias Salfati, Stanford Univ, Palo Alto,
CA; Chirag Patel, Harvard Medical Sch,
Boston, MA; Charles Eaton, Alpert Medical
Sch of Brown Univ, Providence, RI; Rami
Nassir, Univ of California-Davis, Sacramento,
CA; Marcia Stefanick, Stanford Univ, Palo
Alto, CA; Alexander P Reiner, Fred Hutchinson
Cancer Res Ctr, Seattle, WA; Themistocles L.
Assimes, Stanford Univ, Palo Alto, CA

9:30 **Novel Genetic Loci for Blood Pressure
Regulation Identified by the Analysis
of DNA Methylation**

Melissa A. Richard, Univ of Texas Health
Science Ctr at Houston, Houston, TX;
Tianxiao Huan, Natl Heart Lung and Blood
Inst's Framingham Heart Study, Framingham,
MA; Symen Ligthart, Abbas Dehghan,
Erasmus Univ Medical Ctr, Rotterdam,
Netherlands; Riccardo E Marioni, Univ of
Edinburgh, Edinburgh, United Kingdom;
Jennifer A. Brody, Nona Sotoodehnia, Univ
of Washington, Seattle, WA; Min A. Jhun,
Sharon L. Kardia, Jennifer A. Smith, Univ of
Michigan, Ann Arbor, MI; M. Ryan Irvin,
Donna K. Arnett, Stella Aslibekyan, Univ of
Alabama at Birmingham, Birmingham, AL;
J. C. Shen, Andrea Baccarelli, Allan C. Just,
Harvard T.H. Chan Sch of Public Health,
Boston, MA; Pei-Chien Tsai, Jordana T. Bell,
Tim D. Spector, King's Coll London, London,
United Kingdom; Xiuqing Guo, Jerome A.
Rotter, HARBOR-UCLA Medical Ctr, Torrance,
CA; Walter Palmas, Columbia Univ, New York,
NY; Yongmei Liu, Wake Forest Sch of Med,
Winston-Salem, NC; Daniel Levy, Natl Heart
Lung and Blood Inst's Framingham Heart
Study, Boston, MA; **Myriam Fornage**, Univ
of Texas Health Science Ctr at Houston,
Houston, TX

9:45 **Instrumental Variables Regression to
Account for Bias in Associations Between
the Food Environment and Diet Quality in
the Coronary Artery Risk Development in
Young Adults (CARDIA) Study**

Pasquale E. Rummo, David K. Guilkey,
Shu Wen Ng, Katie A. Meyer, Univ of North
Carolina at Chapel Hill, Chapel Hill, NC;
Jared P. Reis, Natl Heart, Lung, and Blood

Program (continued)

Inst, Bethesda, MD; James M. Shikany, Univ of Alabama at Birmingham, Birmingham, AL; Penny Gordon-Larsen, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

Refreshment Break and Exhibits

10:00–10:30 AM

Atrium

Connection Corner

10:00–10:30 AM

Atrium

Session 10

Concurrent A: Nutrition Interventions

10:30 AM–Noon

Regency Ballroom

Moderators:

Majken K. Jensen, PhD, Harvard School of Public Health, Boston, MA
Stephanie Chiuve, Harvard T.H. Chan School of Public Health, Boston, MA

- 10:30 **Effects of the DASH Diet and Sodium Intake on Serum Uric Acid** 34
Stephen P. Juraschek, Allan C. Gelber, Lawrence J. Appel, Edgar R. Miller, Johns Hopkins Univ, Baltimore, MD

- 10:45 **The Effect of Type and Amount of Dietary Carbohydrate on Biomarkers of Glucose Homeostasis and Inflammation in Healthy Adults: Results From The Omnicarb Trial** 35
Stephen P. Juraschek, Edgar R. Miller III, Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Vincent J. Carey, Harvard Univ, Boston, MA; Lawrence J. Appel, Johns Hopkins Univ, Baltimore, MD; Robert H. Christenson, Univ of Maryland, Baltimore, MD; Frank Sacks, Harvard Univ, Boston, MA

- 11:00 **Diet Soda Consumption and Risk of Incident End-Stage Renal Disease** 36
Casey M. Rebholz, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Morgan E. Grams, Johns Hopkins Sch of Med, Baltimore, MD; Lyn M. Steffen, Univ of Minnesota Sch of Public Health, Minneapolis, MN; Deidra C. Crews, Johns Hopkins Sch of Med, Baltimore, MD; Cheryl A. Anderson, Univ of California San Diego, San Diego, CA; Lawrence J. Appel, Johns Hopkins Sch of Med, Baltimore, MD; Josef Coresh, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD

- 11:15 **Effect of Fish Oil on Coagulation and Fibrinolysis: A Double-blind Randomized Trial In Obese Adolescents** 37
Babu Balagopal, Nemours Children's Clinic, Jacksonville, FL; Rehana Lovely, Mustafa Khan, Univ of North Texas Health Science Ctr, Fort Worth, TX; MD Jobayer Hossain, Samuel Gidding, Alfred I DuPont Hosp for Children, Wilmington, DE

- 11:30 **Tandem Effects of Specific Foods on Cardiometabolic Risk Within the Context of Overall Dietary Patterns: A Meta-analysis of Randomized Controlled Feeding Trials** 38
Gitanjali M. Singh, Marcia Otto, Dariush Mozaffarian, Tufts Univ, Boston, MA

- 11:45 **Estimated Risk of Coronary Heart Disease Associated with the Replacement of Various Foods with Vegetables in Two Large Prospective Cohorts** 39
Monica L. Bertoia, Harvard Sch of Public Health, Boston, MA; Kenneth J. Mukamal, Beth Israel Deaconess Medical Ctr, Boston, MA; Kim Overvad, Aarhus Univ, Aarhus, Denmark; Frank B. Hu, Walter C. Willett, Eric B. Rimm, Harvard Sch of Public Health, Boston, MA

Session 10

Concurrent B: Psychosocial Determinants of Health

10:30 AM–Noon

Ellis

Moderators:

Jared P. Reis, PhD, FAHA, National Heart, Lung and Blood Inst, Bethesda, MD
Shakira Suglia, MS, SCd, Columbia University, New York, NY

- 10:30 **Neighborhood Grocery Store Density is Associated With Daily Self-efficacy Among Individuals Enrolled in a Behavioral Weight Loss Intervention Study** 40
Dara D. Mendez, Univ of Pittsburgh, Pittsburgh, PA; Stephen L. Rathbun, Univ of Georgia, Athens, GA; Qianheng Ma, Rachel W. Goode, Univ of Pittsburgh, Pittsburgh, PA; Yaguang Zheng, Boston Coll, Boston, MA; Meghan Mattos, Chris C. Imes, Cynthia A. Danford, Susan M. Sereika, Lu Hu, Lora E. Burke, Univ of Pittsburgh, Pittsburgh, PA

- 10:45 **Socioeconomic and Psychosocial Determinants of Cardiovascular Events Among Individuals with or at Risk for Chronic Kidney Disease: The Jackson Heart Study** 41
Nrupen A. Bhavsar, Tina A. Davenport, Julia J. Scialla, Rasheeda K. Hall, Crystal C. Tyson, Tara S. Strigo, Duke Univ Sch of

THURSDAY/FRIDAY

Program (continued)

Med, Durham, NC; Bessie Young, Univ of Washington Sch of Med, Seattle, WA; Mario Sims, Univ of Mississippi Medical Ctr, Jackson, MS; Jane F. Pendergast, L. Ebony Boulware, Clarissa J. Diamantidis, Duke Univ Sch of Med, Durham, NC

11:00 Association of Optimism with Cardiovascular Health: Results from the Hispanic Community Health Study/ Study (HCHS/SOL) of Latinos Sociocultural Ancillary Study

Rosalba Hernandez, Univ of Illinois at Urbana-Champaign, Urbana, IL; Hector Gonzalez, Michigan State Univ, East Lansing, MI; Wassim Tarraf, Wayne State Univ, Detroit, MI; Mercedes Carnethon, Frank J. Penedo, Northwestern Univ, Chicago, IL; Linda Gallo, San Diego State Univ, San Diego, CA; William Arguelles, Univ of Miami, Miami, FL; Christina Buelna, San Diego State Univ, San Diego, CA; Sonia Davis, Franklyn Gonzalez, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Carmen R. Isasi, Albert Einstein Coll of Med, Bronx, NY; Jessica L. McCurley, San Diego State Univ, San Diego, CA; John M. Ruiz, Univ of North Texas, Denton, TX; Martha Daviglus, Univ of Illinois at Chicago, Chicago, IL

11:15 Access to Care, Income, Education and Coronary Heart Disease Outcomes in the Reasons for Geographic and Racial Differences in Stroke Study

Marquita W. Lewis, Yulia Khodneva, Monika M. Safford, University of Alabama at Birmingham, Birmingham, AL

11:30 Association of Somatic and Affective Factors with Inflammation: The Multi-ethnic Study Of Atherosclerosis (MESA)

Alvaro Camacho, Univ of California San Diego, Imperial, CA; Patricia Gonzalez, San Diego State Univ, San Diego, CA; Kimberly D'Anna-Hernandez, California State Univ, San Marcos, San Marcos, CA; Alicia Nunez, San Diego State Univ, San Diego, CA; Sara E. Linke, Univ of California San Diego, San Diego, CA; Scott C. Roesch, San Diego State Univ, San Diego, CA; Mathew A. Allison, Univ of California San Diego, San Diego, CA

11:45 Weight-related Discrimination Increases the Risk of Multi-system Physiological Dysregulation Among U.S. Adults

Maya Vadiveloo, Harvard T.H. Chan Sch of Public Health, Boston, MA; Josiemer Mattei, Harvard T.H. Chan Sch of Public Health, Boston, MA

Early Career Roundtable Luncheon

Noon–1:30 PM

Cowboy Artist's Room

See registration desk for details.

Session 11

Randomized Intervention Trials

1:30–3:00 PM

Regency Ballroom

Moderators:

Mary Cushman, MD, MSc, University of Vermont, Colchester, VT

Alanna Chamberlain, PhD Mayo Clinic, Rochester, MN

1:30 The William B. Kannel Memorial Lecture Cholesterol and Cardiovascular Disease: Insights from Populations

Peter W. F. Wilson, MD, Emory University School of Medicine, Atlanta, GA

2:00 Legacy Effects of STTRIDE Exercise Training Programs on Cardiometabolic Health Observed Ten Years Later

William E. Kraus, Cris A. Slentz, Brian D. Duscha, Leslie H. Willis, Johanna L. Johnson, Duke Univ, Durham, NC

2:15 Weight-loss Diets, Adiponectin and Changes of Cardiometabolic Risk in the 2-year Pounds Lost Trial

Wenjie Ma, Harvard T.H. Chan Sch of Public Health, Boston, MA; Tao Huang, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Yan Zheng, Molin Wang, Harvard T.H. Chan Sch of Public Health, Boston, MA; George A. Bray, Pennington Biomedical Res Ctr, Baton Rouge, LA; Frank M. Sacks, Harvard T.H. Chan Sch of Public Health, Boston, MA; Lu Qi, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA

2:30 Long-Term Effects of an Intensive Lifestyle Intervention on Electrocardiographic Evidence of Left Ventricular Hypertrophy: The Action for Health in Diabetes (Look AHEAD) Trial

Tina E. Brinkley, Patricia E. Hogan, Michael P. Walkup, Elsayed Z. Soliman, Alain G. Bertoni, Wake Forest Sch of Med, Winston-Salem, NC; Frank Greenway, Pennington Biomedical Res Ctr, Baton Rouge, LA; William C. Knowler, NIH/NIDDK, Phoenix, AZ; Stephen P. Glasser, Univ of Alabama, Birmingham, AL; Edward S. Horton, Joslin Diabetes Ctr, Harvard Medical Sch, Boston, MA; Mark A. Espeland, Wake Forest Sch of Med, Winston-Salem, NC

FRIDAY

Program (continued)

2:45 **Effects of Oral Magnesium Supplementation on Blood Pressure among Healthy or Hypertensive Adults: A Meta-analysis of Randomized Double-Blinded Placebo-Controlled Trials**
Xi Zhang, Indiana Univ, Indianapolis, IN;
Liana C. Del Gobbo, Stanford Univ, Stanford, CA; Wen Zhang, Fukushima Medical Univ, Fukushima, Japan; Yiqing Song, Indiana Univ, Indianapolis, IN

Refreshment Break and Exhibits

3:00–3:30 PM

Atrium

Connection Corner

3:00–3:30 PM

Atrium

Session 12

ASPC Annual Debate

3:30–4:30 p.m

Regency Ballroom

Moderators:

Laurence Sperling, MD, FAHA, Emory University, Atlanta, GA

Robert Ross, PhD FAHA Queen's University, Kingston, ON, Canada

3:30 **ASPC Annual Debate: WHO Sugar Guidelines**
Frank Hu, MD, PhD, FAHA, Harvard T.H. Chan, School of Public Health, Boston, MA
John Sievenpiper, MD, PhD, FRCPC, St. Michaels Hospital, Toronto, ON

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Poster Session 4

4:30–6:30 PM

Atrium

Poster Sessions

(P244–P325)

See page 31 for a full listing of the poster presentations. (Please note there are some instances when presentations are not in numerical order due to changes requested by the presenter.)

- Behavior and Lifestyle Intervention Trials
- Genetics
- Global Health
- Methodology
- Nutrition 2
- Obesity and Adipose Tissue Distribution
- Preventive Cardiology and Cardiac Rehab
- Sleep
- Stroke
- Surveillance

Moderated Poster Sessions

(MP079–MP102)

See page 31 for a full listing of the moderated poster presentations

Moderated portion of this session takes place from 5:00–6:00 PM.

- Genetics
- Lifestyle Behaviors and Health Outcomes in Youth
- Sleep
- Stroke



FRIDAY

Poster Presentations

Moderated Poster Sessions

All moderated poster sessions will take place in the Poster Hall in the Atrium. Please follow the signage to the moderated session you wish to attend. Each moderated poster session has been assigned a number as listed below. Proceed to the corresponding table to meet the moderator and check out a headset. We ask that you arrive 15 minutes prior to the start time so that the “tour” can begin on time. From the table, you will be guided by the moderator and begin the tour of your selected session.

Please note that each session is limited to 30 attendees and headsets are distributed on a first-come, first-served basis.

Tuesday, March 1

Moderated portion takes places from 6-7 p.m.

- MP01 Getting to 2020
- MP02 Health Disparities
- MP03 Physical Activity and Health Outcomes
- MP04 Prospective Nutritional Trials

Wednesday, March 2

Moderated portion takes places from 5:30-6:30 p.m.

- MP05 Biomarkers of Cardiovascular Disease and All-Cause Mortality
- MP06 Determinants of Heart Failure
- MP07 Lipids, Lipoproteins and Cardiovascular Disease
- MP08 Emerging Exposures and Tools

Thursday, March 3

Moderated portion takes places from 5:30-6:30 p.m.

- MP10 Healthy Aging
- MP11 Hypertension and Race
- MP12 Population Burden of CVD
- MP13 Insulin Resistance

Friday, March 4

Moderated portion takes places from 5-6 p.m.

- MP14 Genetics
- MP15 Lifestyle Behaviors and Health Outcomes in Youth
- MP16 Sleep
- MP17 Stroke

Poster Session Schedule

All poster sessions take place in the Atrium.

(Please note that some poster numbers are not in numerical order due to changes in the originally scheduled presentation date.)

Poster Session 1

Tuesday, March 1, 5:30–7:30 PM

P001–P083

MP01–MP24

These posters will be available for viewing throughout the entire session. The moderated portion takes place from 6:00–7:00 PM

Poster Session 2

Wednesday, March 2, 5:00–7:00 PM

P84–P160

MP25–M48

These posters will be available for viewing throughout the entire session. The moderated portion takes place from 5:30–6:30 PM

Poster Session 3

Thursday, March 3, 5:00–7:00 PM

P161– P243

MP55 – MP78

These posters will be available for viewing throughout the entire session. The moderated portion takes place from 5:30–6:30 PM

Poster Session 4

Friday, March 4, 4:30–6:30 PM

P244–P325

MP79–MP102

These posters will be available for viewing throughout the entire session. The moderated portion takes place from 5:00–6:00 PM

Poster Presentations (continued)

Moderated Poster Sessions

MP01 Getting to 2020

Moderator:

Deborah R. Young, PhD, FAHA Kaiser Permanente Southern California, Pasadena, CA

MP01 Ideal Cardiovascular Health is Low among U.S. Workers 45 Years and Older: Results of a National Population-based Cohort Study

Leslie A. MacDonald, Stephen Bertke, CDC/ Natl Inst for Occupational Safety and Health (NIOSH), Cincinnati, OH; Misty J. Hein, CACI, Inc, Cincinnati, OH; Suzanne Judd, Univ of Alabama Birmingham, Birmingham, AL; Sherry Baron, Queens Coll, New York, NY; Robert Merritt, Ctrs for Disease Control and Prevention (CDC), Atlanta, GA; Virginia J. Howard, Univ of Alabama Birmingham, Birmingham, AL

MP02 Ideal Cardiovascular Health through Young Adulthood and Brain Structure in Midlife: The Coronary Artery Risk Development in Young Adults Study

Michael P. Bancks, Univ of Minnesota Sch of Public Health, Minneapolis, MN; Norrina Allen, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Prachi Dubey, Mount Sinai Medical Ctr Radiology, Miami Beach, FL; Lenore Launer, Natl Insts of Health Natl Inst on Aging, Bethesda, MD; Donald Lloyd-Jones, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Jared Reis, Natl Insts of Health Natl Heart, Lung, and Blood Inst, Bethesda, MD; Steve Sidney, Kaiser Permanente Northern California, Oakland, CA; Yuichiro Yano, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Pamela Schreiner, Univ of Minnesota Sch of Public Health, Minneapolis, MN

MP03 The AHA Life's Simple 7 metric is inversely associated with subclinical atherosclerosis among South Asians: Findings from the Mediators of Atherosclerosis in South Asians Living in America Study

Yichen Jin, Milken Inst Sch of Public Health at the George Washington Univ, Washington, DC; Alka M. Kanaya, Div of General Internal Med, Univ of California, San Francisco, San Francisco, CA; Namratha R. Kandula, Div of General Internal Med, Northwestern Univ, Chicago, IL; Sameera A. Talegawkar, Milken Inst Sch of Public Health at the George Washington Univ, Washington, DC

MP04 Individual Material and Social Deprivation is Associated with Poor Cardiovascular Health, The Paris Prospective Study III

Jean-philippe Empana, Bamba Gaye, Marie-Cecile Perier, Catherine Guibout, Paris Cardiovascular Res Ctr, Inserm UMR-S970, Paris, France; Frederique Thomas, Bruno Pannier, Ctr d'investigations Préventives et Cliniques, Paris, France; Pierre Boutouyrie, Xavier Jouven, Paris Cardiovascular Res Ctr, Inserm UMR-S970, Paris, France

MP05 Life's Simple 7 and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis

Oluseye Ogunmoroti, Baptist Health South Florida, Miami, FL; Ebenezer Oni, Brooklyn Hosp Ctr, Brooklyn, NY; Norrina B. Allen, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Erica S. Spatz, Ctr for Outcomes Res and Evaluation, Yale New Haven Hosp, New Haven, CT; Jamal S. Rana, Div of Cardiology and Div of Res, Kaiser Permanente Northern California, Oakland, CA; Salim S. Virani, Baylor Coll of Med, Houston, TX; Ron Blankstein, Brigham and Women's Hosp, Boston, MA; Roger S. Blumenthal, Johns Hopkins Univ, Baltimore, MD; Emir Velezdar, Baptist Health South Florida, Miami, FL; Moyses Szklo, Dept of Epidemiology, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Michael J. Blaha, Johns Hopkins Univ, Baltimore, MD; Khurram Nasir, Baptist Health South Florida, Miami, FL

MP06 Statins and the Risk of Diabetes Type II in Children Ages 8 To 20 With and Without Dyslipidemia

Nina Joyce, Harvard Medical Sch, Boston, MA; Justin Zachariah, Lillie Frank Abercrombie Section of Pediatric Cardiology, Dept of Pediatrics, Texas Children's Hosp, Baylor Coll of Med, Houston, TX; Charles Eaton, Brown Univ Dept of Epidemiology, Providence, RI; Amal Trivedi, Brown Univ Health Services, Policy and Practice and Sch of Med, Providence, RI; Gregory Wellenius, Brown Univ Dept of Epidemiology, Providence, RI

MP02 Health Disparities

Moderator:

Mahasin Mujahid, PhD, MS, University of California, Berkeley, Berkeley, CA

MP07 Racial Differences in Incident CHD in Observational Population-Based Studies

Lisandro D. Colantonio, Christopher M. Gamboa, Joshua S Richman, Emily B. Levitan, Univ of Alabama at Birmingham, Birmingham, AL; Elsayed Z. Soliman, Wake Forest Sch of Med, Winston-Salem, NC; George Howard, Monika M. Safford, Univ of Alabama at Birmingham, Birmingham, AL

MP08 Higher Diet Quality is Associated with Lower Odds of Inflammation and Peripheral Artery Disease in the Hispanic Community Health Study/Study of Latinos

Josiemeer Mattei, Harvard T.H. Chan Sch of Public Health, Boston, MA; Daniela Sotres-Alvarez, Gillings Sch of Global Public Health, Univ of North Carolina, Chapel Hill, NC; Marc Gellman, Univ of Miami, Miami, FL; Sheila F. Castaneda, Inst for Behavioral and Community Health, San Diego State Univ, San Diego, CA; Frank B. Hu, Harvard T.H. Chan Sch of Public Health, Boston, MA; Katherine L. Tucker, Univ of Massachusetts -

Poster Presentations (continued)

Lowell, Lowell, MA; Anna-Maria Siega-Riz, Gillings Sch of Global Public Health, Univ of North Carolina, Chapel Hill, NC; Robert C. Kaplan, Albert Einstein Coll of Med, Bronx, NY

- MP09 Black-White Differences in the Association between Sleep Duration and Incident Stroke: The REGARDS Study**
Megan E. Petrov, Arizona State Univ, Phoenix, AZ; George Howard, Univ of Alabama at Birmingham, Birmingham, AL; Michael A Grandner, Univ of Arizona, Tucson, AZ; Dawn Kleindorfer, Jennifer R. Molano, Univ of Cincinnati, Cincinnati, OH; Virginia J Howard, Univ of Alabama at Birmingham, Birmingham, AL
- MP10 Racial Differences in Blood Pressure Components Associated with Incident Cardiovascular Disease in Young Adults: the Coronary Artery Risk Development in Young Adults (CARDIA) Study**
Yuichiro Yano, Northwestern Univ, Chicago, IL; Jared Reis, Natl Heart, Lung, and Blood Inst, Bethesda, MD; David Goff, Univ of Colorado Anschutz Medical Ctr, Aurora, CO; David Jacobs, Univ of Minnesota Sch of Public Health, Minneapolis, MN; Stephen Sidney, Kaiser Permanente Northern California, Oakland, CA; Kiang Liu, Philip Greenland, Yacob Tedla, Hongyan Ning, Donald Lloyd-Jones, Northwestern Univ, Chicago, IL
- MP11 Acculturation is associated with a Higher Prevalence of Cardiometabolic Risk Factors in US Immigrants: An Analysis of the 2010-2014 National Health Interview Survey**
 Nwakaego Ukonu, Univ of Florida Dept of Counseling Psychology, Gainesville, FL; Olawunmi Obisesan, Emory Univ Rollins Sch of Public Health, Atlanta, GA; Jonathan Aboagye, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Kojo Amoakwa, St. Agnes Hosp, Baltimore, MD; Charles Agyemang, Univ of Amsterdam, Amsterdam Medical Ctr, Amsterdam, Netherlands; **Yvonne Y. Commodore-Mensah**, Emory Univ Sch of Nursing, Atlanta, GA
- MP12 Comparing Effectiveness of Mass Media Campaigns Vs. Price Reductions Targeting Fruit and Vegetable Intake on U.S. CVD Mortality and Race Disparities**
Jonathan Pearson-Stuttard, Imperial Coll London, London, United Kingdom; Piotr Bandosz, Univ of Liverpool, Liverpool, United Kingdom; Colin D. Rehm, Tufts Univ, Boston, MA; Ashkan Afshin, Univ of Washington, Seattle, WA; Jose Penalvo, Tufts Univ, Boston, MA; Laurie Whitsel, American Heart Association, Washington DC, MD; Goodarz Danaei, Harvard Univ, Boston, MA; Thomas Gaziano, Divs of Cardiovascular Med, Brigham and Women's Hosp, Boston, MA; Helen Bromley, Ffion Lloyd-Williams, Univ of Liverpool,

Liverpool, United Kingdom; Dariush Mozaffarian, Tufts Univ, Boston, MA; Simon Capewell, Martin O'Flaherty, Univ of Liverpool, Liverpool, United Kingdom

MP03 Physical Activity and Health Outcomes

Moderator:

Sarah M. Camhi, PhD, University of Massachusetts Boston, Boston, MA

- MP13 Perceived Environmental Supports and Barriers Are Associated with Physical Activity Behaviors During Pregnancy**
Julie K. Bower, Claire E. Bollinger, Randi E. Foraker, Darryl B. Hood, The Ohio State Univ Coll of Public Health, Columbus, OH
- MP14 Preventable Stroke and Ischaemic Heart Disease Deaths in Argentina Comparative Risk Assessment of Different Levels of Physical Activity**
Rosana Poggio, Adolfo Rubinstein, Vilma Irazola, Ariel Bardach, Goodarz Danaei, IECS, Buenos Aires, Argentina
- MP15 Physical Activity is Inversely Associated with Calcified Atherosclerotic Plaque in the Coronary Arteries: the NHLBI Family Heart Study**
Tasnim F. Imran, Yash Patel, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA; R. Curtis Ellison, Boston Univ Sch of Med, Boston, MA; Gerardo Heiss, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Steven C. Hunt, Univ of Utah Sch of Med, Salt Lake City, UT; J. Jeffrey Carr, Vanderbilt Univ, Nashville, TN; Donna K. Arnett, Univ of Alabama, Birmingham, AL; James Pankow, Univ of Minnesota, Minneapolis, MN; J. Michael Gaziano, Luc Djoussé, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA
- MP16 Relations of Physical Activity to Gait Speed in Older Adults from the Framingham Offspring Study: Effect Modification by Age**
Nicole L. Spartano, Asya Lyass, Martin G. Larson, Ramachandran S. Vasan, Joanne M. Murabito, Boston Univ, Boston, MA
- MP17 Relationship of Accelerometer-Assessed Physical Activity and Sedentary Behavior with Predicted CVD Risk in Older Women: Results from the Objective Physical Activity and Cardiovascular Health (OPACH) Study**
Michael J. LaMonte, Univ at Buffalo - SUNY, Buffalo, NY; Eileen Rillamus-Sun, Fred Hutchinson Cancer Res Ctr, Seattle, WA; Kelly R. Evenson, Univ of North Carolina Chapel Hill, Chapel Hill, NC; I-Min Lee, Harvard Univ, Boston, MA; Dori E. Rosenberg, Group Health Res Inst, Seattle, WA; Chongzhi Di, Fred Hutchinson Cancer Res Inst, Seattle, WA; David Buchner, Univ of Illinois at Urbana-Champaign, Urbana-Champaign, IL;

Poster Presentations (continued)

Andrea Z. LaCroix, Univ of California at San Diego, San Diego, CA

MP18 Hand Grip Strength is Inversely Related to Arterial Stiffness in 136,856 UK Adults: The UK Biobank Project

Youngwon Kim, Katrien Wijndaele, Nick Wareham, Soren Brage, MRC Epidemiology Unit, Univ of Cambridge Sch of Clinical Med, Cambridge, United Kingdom

MP04 Prospective Nutritional Trials

Moderator:

Cheryl Anderson, PhD, MPH, MS, University of California San Diego, San Diego, CA

MP19 Glycemic Load is Associated with Increased Odds of Cognitive Impairment in the REasons for Geographic And Racial Differences in Stroke (REGARDS) Cohort

Keith Pearson, Virginia Wadley, Barbara Gower, James Shikany, Paula Chandler-Laney, George Howard, Univ of Alabama at Birmingham, Birmingham, AL; Leslie McClure, Drexel Univ, Philadelphia, PA; Fred Unverzagt, Indiana Univ Sch of Med, Indianapolis, IN; Suzanne Judd, Univ of Alabama at Birmingham, Birmingham, AL

MP20 Cardiovascular Protection by the Mediterranean Diet differs across Socioeconomic Groups: Prospective Findings from The MOLI-SANI Study

Marialaura Bonaccio, Augusto Di Castelnuovo, George Pounis, Simona Costanzo, Mariarosaria Persichillo, Maria Benedetta Donati, Giovanni de Gaetano, Licia Iacoviello, IRCCS Istituto Neurologico Neuromed, Pozzilli, Italy; MOLI-SANI Study Investigators

MP21 No Significant Association of n-3 Polyunsaturated Fatty Acids (PUFAs) with T-helper Type 1 (Th1) Cells: Results from the Multi-Ethnic Study of Atherosclerosis (MESA)

Naoko Sagawa, Dept of Epidemiology, Graduate Sch of Public Health, Univ of Pittsburgh, Pittsburgh, PA; Nels C. Olson, Dept of Pathology and Lab Med, Univ of Vermont Coll of Med, Burlington, VT; Abhishek Vishnu, Dept of Biostatistics, Sch of Public Health, West Virginia Univ, Morgantown, WV; Vasudha Ahuja, Dept of Epidemiology, Graduate Sch of Public Health, Univ of Pittsburgh, Pittsburgh, PA; Margaret F. Doyle, Dept of Pathology and Lab Med, Univ of Vermont Coll of Med, Burlington, VT; Bruce M. Psaty, Cardiovascular Health Res Unit, Univ of Washington, Seattle, WA; Nancy Swords Jenny, Dept of Pathology and Lab Med, Univ of Vermont Coll of Med, Burlington, VT; David S. Siscovick, The New York Acad of Med, New York, NY; Rozenn N. Lemaitre, Cardiovascular Health Res Unit, Univ of Washington, Seattle, WA; Lyn M. Steffen, Div of Epidemiology and Community

Health, Sch of Public Health, Univ of Minnesota, Minneapolis, MN; Michael Y. Tsai, Dept of Lab Med and Pathology, Univ of Minnesota, Minneapolis, MN; Akira Sekikawa, Dept of Epidemiology, Graduate Sch of Public Health, Univ of Pittsburgh, Pittsburgh, PA

MP22 The Association of Dietary Intake Biomarkers with Rapid Kidney Function Decline: The CARDIA (Coronary Artery Risk Development in Young Adults) Study

Kristin Hirahatake, Andrew Odegaard, Univ of California, Irvine, Irvine, CA; Myron Gross, Univ of Minnesota, Minneapolis, MN; Carmen Peralta, Kirsten Bibbins-Domingo, Michael Shlipak, Univ of California, San Francisco, San Francisco, CA; Holly Mattix-Kramer, Loyola Univ Chicago, Chicago, IL; David Jacobs, Univ of Minnesota, Minneapolis, MN

MP23 Carbohydrate Quality and Quantity and Risk of Coronary Heart Disease Among Us Women

Hala B. AlEissa, Harvard T.H. Chan Sch of Public Health, Boston, MA; Randy Cohen, Mt. Sinai St. Luke's Roosevelt Div of Cardiology, New York, NY; Sally N. Adebamowo, Vasanti S. Malik, Eric B. Rimm, JoAnn E. Manson, Walter C. Willett, Frank B. Hu, Harvard T.H. Chan Sch of Public Health, Boston, MA

MP24 Association of Tea Intake with Coronary Artery Calcification and Cardiovascular Events: Results from the Multi-Ethnic Study of Atherosclerosis (MESA)

P. Elliott Miller, Di Zhao, Erin D. Michos, Johns Hopkins Hosp, Baltimore, MD; Alexis Frazier-Wood, Baylor Coll of Med, Houston, TX; Michelle Averill, Univ of Washington, Seattle, WA; Veit Sandfort, Natl Inst of Health, Bethesda, MD; Gregory L. Burke, Wake Forest Sch of Med, Winston-Salem, NC; Joseph F. Polak, Tufts Medical Ctr, Boston, MA; Joao Lima, Wendy S. Post, Roger S. Blumenthal, Eliseo Guallar, Seth S. Martin, Johns Hopkins Hosp, Baltimore, MD

MP05 Biomarkers of Cardiovascular Disease and All-Cause Mortality

Moderator:

Steve Sidney, MD, MPH, Kaiser Permanente Northern California, Oakland, CA

MP25 Adiposity-related DNA Methylation as a Predictor of Coronary Heart Disease in Adult African Americans: The Atherosclerosis Risk in Communities Study

Steve Nguyen, Weihua Guan, Univ of Minnesota Sch of Public Health, Minneapolis, MN; Megan L. Grove, Jan Bressler, Univ of Texas Health Sciences Ctr Sch of Public Health, Houston, TX; Yun Li, Univ of North Carolina, Chapel Hill, NC; Myriam Fornage, Eric Boerwinkle, Univ of Texas Health Sciences Ctr Sch of Public

Poster Presentations (continued)

Health, Houston, TX; Kari E. North, Univ of North Carolina, Chapel Hill, NC; James S. Pankow, Ellen W. Demerath, Univ of Minnesota Sch of Public Health, Minneapolis, MN

MP26 Biomarkers of n-6 Polyunsaturated Fatty Acids and CVD Risk: A Global Pooling Project of 19 Cohort Studies

Matti Marklund, Uppsala Univ, Uppsala, Sweden; Tzu-An Chen, USDA/ARS Children's Nutrition Res Ctr, Houston, TX; Janette de Goede, Wageningen Univ, Wageningen, Netherlands; Fumiaki Imamura, Univ of Cambridge Sch of Clinical Med, Cambridge, United Kingdom; Federica Laguzzi, Karolinska Instt, Stockholm, Sweden; Kiesha Prem, Natl Univ of Singapore, Singapore, Singapore; Cécilia Samieri, Univ of Bordeaux, Bordeaux, France; Peilin Shi, Tufts Univ, Boston, MA; Jyrki Virtanen, Univ of Eastern Finland, Koupio, Finland; Maria Wennberg, Umeå Univ, Umeå, Sweden; Kerry Wong, Cancer Council Victoria, Melbourne, Australia; Jason H Wu, George Inst for Global Health, Sydney, Australia; Xia Zhou, Univ of Minnesota, Minneapolis, MN; Rozenn N Lemaitre, Univ of Washington, Seattle, WA; Dariush Mozaffarian, Tufts Univ, Boston, MA; Ulf Risérus, Uppsala Univ, Uppsala, Sweden; CHARGE Fatty acids and Outcomes Research Consortium (FORCE)

MP27 Comparative Prognostic Performance of Different Definitions of Prediabetes in the Atherosclerosis Risk in Communities (ARIC) Study

Bethany Warren, Johns Hopkins Univ, Baltimore, MD; James S. Pankow, Univ of Minnesota, Minneapolis, MN; Mark Woodward, Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD

MP28 Filtration Markers, Cardiovascular Disease and All-Cause Mortality in Kidney Transplant Recipients: The FAVORIT Trial

Meredith C. Foster, Daniel E. Weiner, Tufts Medical Ctr, Boston, MA; Andrew G. Bostom, Rhode Island Hosp, Providence, RI; Myra A. Carpenter, Univ of North Carolina, Chapel Hill, NC; Lesley A. Inker, Tufts Medical Ctr, Boston, MA; Petr Jarolim, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA; John W. Kusek, Natl Inst of Diabetes and Digestive and Kidney Diseases, Bethesda, MD; Marc A. Pfeffer, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA; Madhumathi Rao, Andrew S. Levey, Tufts Medical Ctr, Boston, MA

MP29 Kidney Function, Bone-mineral Metabolism Markers, and Peripheral Artery Disease: the Atherosclerosis Risk in Communities (ARIC) Study

Chao Yang, Lucia Kwak, Shoshana Ballew, Bernard Jaar, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Aaron Folsom, Univ of Minnesota Sch of Public Health, Minneapolis,

MN; Gerardo Heiss, Univ of North Carolina at Chapel Hill Gillings Sch of Public Health, Chapel Hill, NC; Elizabeth Selvin, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Pamela Lutsey, Univ of Minnesota Sch of Public Health, Minneapolis, MN; Josef Coresh, Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD

MP30 Metabolomic Profiles Associated with Aging in Women

Kathryn M. Rexrode, Brigham and Women's Hosp, Boston, MA; Raji Balasubramanian, Univ of Massachusetts Amherst Sch of Public Health and Health Sciences, Amherst, MA; Nina Paynter, JoAnn Manson, Brigham and Women's Hosp, Boston, MA; Jiu-Chuan Chen, Keck Sch of Med Univ of Southern California, Los Angeles, CA; Mara Vitolins, Wake Forest Sch of Med, Winston Salem, NC; Christine Albert, Brigham and Women's Hosp, Boston, MA; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA

MP06 Determinants of Heart Failure

Moderator:

Pamela Lutsey, PhD, MPH, University of Minnesota, Minneapolis, MN

MP31 Left Ventricular Hypertrophy by Electrocardiogram Versus Cardiac Magnetic Resonance Imaging as a Predictor for Heart Failure: The MESA Study

Abdullahi O. Oseni, Waqas T. Qureshi, Mohammed F. Almahmoud, Alain Bertoni, Wake Forest Sch of Med, Winston Salem, NC; David A. Bluemke, Johns Hopkins Sch of Med, Baltimore, MD; William G. Hundley, Wake Forest Sch of Med, Winston Salem, NC; Joao A. Lima, Johns Hopkins Sch of Med, Baltimore, MD; David M. Herrington, Elsayed Z. Soliman, Wake Forest Sch of Med, Winston Salem, NC

MP32 Long Term Prediction of Incident Heart Failure in African Americans – The Atherosclerosis Risk in Communities Study

Amir Azeem, Solomon K. Musani, Walter L. Beard, Thomas H Mosley, Kenneth R. Butler, Ervin R. Fox, Univ of Mississippi Medical Ctr, Jackson, MS

MP33 Heart Failure Following Cancer Therapy in Patients with Hematological Malignancies Aged 18 Years and Under: A Linked Health Data Analysis (1996-2009)

Narelle M. Berry, Sch of Nursing and Midwifery, Flinders Univ, Adelaide, Australia; Shahid Ullah, Flinders Ctr for Epidemiology & Biostatistics, Flinders Univ, Adelaide, Australia; Vincent L. Versace, Greater Green Triangle Univ Dept of Rural Health, Flinders Univ and Deakin Univ,

Poster Presentations (continued)

- Warrnambool, Australia; Alexandra L. McCarthy, Sch of Nursing, Queensland Univ of Technology, Brisbane, Australia; John J. Atherton, Univ of Queensland, Brisbane, Australia; David Roder, Cancer Epidemiology and Population Health Unit, Univ of South Australia, Adelaide, Australia; Bogda Koczwara, Medical Oncology Units, Flinders Medical Ctr, Adelaide, Australia; Douglas Coghlan, Molecular Med and Pathology, Haematology, Flinders Univ, Adelaide, Australia; Munir H. Chowdhury, Robyn A. Clark, Sch of Nursing and Midwifery, Flinders Univ, Adelaide, Australia
- MP35 Relation of Left Ventricular Structure to Incident Heart Failure in African Americans: the Jackson Cohort of the Atherosclerosis Risk in Communities Study**
Amir Azeem, **Walter L. Beard**, Solomon Musani, Kenneth R. Butler, Thomas H. Mosley, Ervin R. Fox, Univ of Mississippi Medical Ctr, Jackson, MS
- MP36 Anemia, Chronic Kidney Disease, and Incident Heart Failure: The Atherosclerosis Risk in Communities (ARIC) Study**
Junichi Ishigami, Morgan E. Grams, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Rakhi P. Naik, Johns Hopkins Univ, Baltimore, MD; Melissa C. Caughey, Laura R. Loehr, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Josef Coresh, Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD
- MP07 Lipids, Lipoproteins and Cardiovascular Disease**
- Moderator:**
William Kraus, MD, Duke University, Durham, NC
- MP37 The Triglyceride to High-density Lipoprotein Cholesterol Ratio, an Estimate of Insulin Resistance, is Associated with Incident Coronary Heart Disease. The Atherosclerosis Risk in Communities (ARIC) Study**
Dmitry Kats, Dept of Epidemiology, Gillings Sch of Global Public Health, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Joshua W. Knowles, Gerald M. Reaven, Dept of Med and Cardiovascular Inst, Stanford Univ Sch of Med, Stanford, CA; A. Richey Sharrett, Div of Epidemiology, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Vijay Nambi, Michael E. Debakey Veterans Affairs Hosp, Baylor Coll of Med and Ctr for Cardiovascular Prevention, & Methodist DeBakey Heart and Vascular Inst, Houston, TX; Gerardo Heiss, Dept of Epidemiology, Gillings Sch of Global Public Health, Univ of North Carolina at Chapel Hill, Chapel Hill, NC
- MP38 Plasma Lipophilic Index and Risk of Coronary Heart Disease in Postmenopausal Women**
Qing Liu, Brown Univ, Providence, RI; Alice H. Lichtenstein, Nirupa R. Matthan, Tufts Univ, Boston, MA; Simin Liu, Brown Univ, Providence, RI; Matthew A. Allison, Univ of California at San Diego, San Diego, CA; Barbara V. Howard, Georgetown Univ Medical Ctr, Hyattsville, MD; Lisa W. Martin, George Washington Univ, Washington, DC; Carolina Valdiviezo, Georgetown Univ Medical Ctr, Hyattsville, MD; JoAnn E. Manson, Brigham and Women's Hosp, Harvard Univ, Boston, MA; Charles B. Eaton, Brown Univ, Providence, RI
- MP39 Plasma Phospholipid Fatty Acid and Coronary Heart Disease Risk**
Qing Liu, Brown Univ, Providence, RI; Alice H. Lichtenstein, Tufts Univ, Boston, MA; Lesley F. Tinker, Marian L. Neuhauser, Fred Hutchinson Cancer Res Ctr, Seattle, WA; Linda V. Van Horn, Northwestern Univ, Chicago, IL; Barbara V. Howard, Georgetown Univ Medical Ctr, Hyattsville, MD; JoAnn E. Manson, Brigham and Women's Hosp, Harvard Univ, Boston, MA; Jacques E. Rossouw, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Nirupa R. Matthan, Tufts Univ, Boston, MA; Matthew A. Allison, Univ of California at San Diego, San Diego, CA; Lisa W. Martin, George Washington Univ, Washington, DC; Wenjun Li, Univ of Massachusetts Medical Sch, Worcester, MA; Linda G. Snetselaar, Univ of Iowa, Iowa City, IA; Lu Wang, Brigham and Women's Hosp, Harvard Univ, Boston, MA; Charles B. Eaton, Brown Univ, Providence, RI
- MP40 Postprandial Lipemia and the Risk of Coronary Heart Disease and Stroke, The Atherosclerosis Risk in Communities (ARIC) Study**
Dmitry Kats, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; A. Richey Sharrett, Div of Epidemiology, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Vijay Nambi, Michael E. Debakey Veterans Affairs Hosp, Baylor Coll of Med and Ctr for Cardiovascular Prevention, & Methodist DeBakey Heart and Vascular Inst, Houston, TX; Gerardo Heiss, Univ of North Carolina at Chapel Hill, Chapel Hill, NC
- MP41 Disentangling the Effects of Aging and Menopausal Status on Cardiovascular Risk Factors**
Veerle Dam, Annelien C. de Kat, N. Charlotte Onland-Moret, Marinus J. Eijkemans, Frank J. Broekmans, Yvonne T. van der Schouw, Univ Medical Ctr Utrecht, Utrecht, Netherlands
- MP42 Subfractions of High-Density Lipoprotein Cholesterol and Carotid Intima-Media Thickness**
Eduard Tiozzo, Hannah Gardener, Barry I. Hudson, Chuanhui Dong, Univ of Miami, Miami, FL; David Della-Morte, Univ of Rome Tor Vergata, Rome, Italy; Milita Crisby, Karolinska Inst, Stockholm, Sweden; Ronald B. Goldberg, Univ of Miami, Miami, FL; Mitchell S. Elkind, Ying Kuen Cheung, Columbia Univ, New York, NY; Clinton B. Wright,

Poster Presentations (continued)

Ralph L. Sacco, Tatjana Rundek, Univ of Miami, Miami, FL; Moise Desvarieux, Columbia Univ, New York, NY

MP08 Emerging Exposures and Tools

Moderator:

Erin Michos, MD, Johns Hopkins School of Medicine, Baltimore, MD

MP43 Electrocardiographic and Blood Pressure Effects of Energy Drinks and Panax Ginseng in Healthy Volunteers: A Randomized Clinical Trial

Sachin A. Shah, Tinh An (April) Nguyen, Andrew Occiano, Amanda Chan, Univ of the Pacific, Stockton, CA; Joseph C. Sky, David Grant USAF Medical Ctr, Travis AFB, CA; Mouchumi Bhattacharyya, Kate M. O'Dell, Allen Shek, Nancy N. Nguyen, Univ of the Pacific, Stockton, CA

MP44 Lifetime Marijuana Use is Not Associated with Incident Cardiovascular Disease in Middle-Age: The Coronary Artery Risk Development in Young Adults (CARDIA) Study

Jared P. Reis, Natl Heart, Lung and Blood Inst, Bethesda, MD; Reto Auer, Univ Hosp, Lausanne, Switzerland; David Goff Jr, Colorado Sch of Public Health, Denver, CO; Cora Lewis, Univ of Alabama-Birmingham, Birmingham, AL; Mark Pletcher, Univ of California, San Francisco, San Francisco, CA; Jamal Rana, Steve Sidney, Kaiser Permanente, Oakland, CA

MP45 Effects of an mHealth Adaptive Intervention on Vascular Health and Cardiorespiratory Fitness

Catherine L. Jarrett, Wesley J. Tucker, Jane C. Hurley, Michael Todd, Nishat Bhuiyan, Jacqueline A. Fernandez, Marc A. Adams, Siddhartha S. Angadi, Arizona State Univ, Phoenix, AZ

MP46 Usual Walking Pace is More Strongly Associated with Lower Risk of Heart Failure than Total Physical Activity in the Women's Health Study

Luc Djousse, Claudia Chae, Julie E. Buring, I-Min Lee, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA

MP47 Associations between Novel Biomarkers and Risk of Abdominal Aortic Aneurysm: the Atherosclerosis Risk in Communities (ARIC) Study

Weihong Tang, Lu Yao, Univ of Minnesota, Minneapolis, MN; Ron C. Hoogeveen, Baylor Coll of Med, Houston, TX; Alvaro Alonso, Univ of Minnesota, Minneapolis, MN; David J. Couper, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Richard Maclehose, Pamela L. Lutsey, Carol C. Steenson, David W Hunter, Frank A. Lederle, Aaron A. Folsom, Univ of Minnesota, Minneapolis, MN

MP48 Whole Grain Intake is Inversely Associated with Mortality from All Causes, Cardiovascular Disease, and Cancer in a Dose-response Manner, a Meta-analysis of Prospective Cohort Studies

Geng Zong, Alisa Gao, Dept of Nutrition, Harvard T.H. Chan Sch of Public Health, Boston, MA; Frank Hu, Dept of Nutrition and Dept of Epidemiology, Harvard T.H. Chan Sch of Public Health; Channing Div of Network Med, Dept of Med, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; Qi Sun, Dept of Nutrition, Harvard T.H. Chan Sch of Public Health; Channing Div of Network Med, Dept of Med, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA

MP10 Healthy Aging

Moderator:

Ruth Taylor-Piliae, PhD, RN, University of Arizona, Tucson, AZ

MP55 Systemic Arterial Compliance Predicts All-cause Mortality and Cardiovascular Mortality: The Rancho Bernardo Study

Bledar Daka, Dept of Family Med and Public Health Univ of California San Diego, La Jolla, CA; Robert D. Langer, Dept of Family Med, Las Vegas, NV; Matthew Allison, Dept of Family Med and Public Health Univ of California San Diego, La Jolla, CA; Ulf Lindblad, Dept of Public Health and Community Med, Gothenburg, Sweden; Vani Dandolu, Dept of Obstetrics and Gynecology, Las Vegas, NV; Elizabeth Barrett-Connor, Dept of Family Med and Public Health Univ of California San Diego, La Jolla, CA

MP56 Association of Arterial Stiffness and Pressure Amplification with Mild Cognitive Impairment and Dementia: The Atherosclerosis Risk in Communities Study – Neurocognitive Study (ARIC-NCS)

Michelle L. Meyer, Priya Palta, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Hirofumi Tanaka, Univ of Texas at Austin, Austin, TX; Jennifer A. Deal, Johns Hopkins Univ, Baltimore, MD; Jacqueline Wright, Natl Heart Lung and Blood Inst, Bethesda, MD; Clifford Jack, David Knopman, Mayo Clinic, Rochester, MN; Michael Griswold, Thomas H. Mosley, Univ of Mississippi Medical Ctr, Jackson, MS; Gerardo Heiss Heiss, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

MP57 Associations of Pentraxin 3 with Frailty: The Cardiovascular Health Study (CHS)

Nancy S. Jenny, Univ Vermont Coll Med, Colchester, VT; Alice M. Arnold, Univ of Washington, Seattle, WA; Lewis H. Kuller, Univ of Pittsburgh, Pittsburgh, PA; Jeremy D. Walston, Johns Hopkins Sch of Med, Baltimore, MD; Russell P. Tracy, Univ Vermont Coll Med, Colchester, VT; Linda P. Fried, Columbia

Poster Presentations (continued)

- Univ, New York, NY; Bruce M. Psaty, Univ of Washington, Seattle, WA; Anne B. Newman, Univ of Pittsburgh, Pittsburgh, PA
- MP58 Objectively-measured Physical Activity and Incident Cardiovascular Events Among Mobility Limited Older Adults: the Life Study**
Thomas W. Buford, Shannon Cochrane, Jodi Fitzgerald, Univ of Florida, Gainesville, FL; Shyh-Huei Chen, Wake Forest Sch of Med, Winston-Salem, NC; John Dodson, New York Univ Sch of Med, New York, NY; Roger Fielding, Tufts Univ, Boston, MA; Abby King, Stanford Univ, Stanford, CA; Todd Manini, Univ of Florida, Gainesville, FL; Anthony Marsh, Wake Forest Univ, Winston-Salem, NC; Mary McDermott, Northwestern Univ, Chicago, IL; Anne Newman, Univ of Pittsburgh, Pittsburgh, PA; Marco Pahor, Univ of Florida, Gainesville, FL; Catrine Tudor-Locke, Univ of Massachusetts, Amherst, MA; Walter Ambrosius, Wake Forest Sch of Med, Winston-Salem, NC
- MP59 Orthostatic Hypotension and Risk of Falls in the Atherosclerosis Risk in Communities (ARIC) Study**
Stephen P. Juraschek, Natalie Daya, Lawrence J. Appel, Edgar R. Miller III, Johns Hopkins Univ, Baltimore, MD; B. Gwen Windham, Univ of Mississippi, Jackson, MS; Lisa Pompeii, Univ of Texas Health Science Ctr at Houston, Houston, TX; Michael Griswold, Univ of Mississippi, Jackson, MS; Gerardo Heiss, Anna Kucharska-Newton, Univ of North Carolina, Chapel Hill, Chapel Hill, NC; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD
- MP60 Coronary Artery Calcium and Dementia Risk in the Multi-Ethnic Study of Atherosclerosis**
Akira Fujiyoshi, Shiga Univ of Medical Science, Otsu, Shiga, Japan; David R. Jacobs Jr., Univ of Minnesota, Minneapolis, MN; Annette L. Fitzpatrick, Univ of Washington, Seattle, WA; Alvaro Alonso, Daniel A. Duprez, Univ of Minnesota, Minneapolis, MN; A. Richey Sharrett, Johns Hopkins Univ, Baltimore, MD; Michael J. Blaha, The Johns Hopkins Ciccarone Ctr for the Prevention of Heart Disease, Baltimore, MD; José A. Luchsinger, Columbia Univ Medical Ctr, New York, NY; Stephen R. Rapp, Wake Forest Univ, Winston-Salem, NC; Teresa Seeman, Univ of California, Los Angeles, Los Angeles, CA
- MP11 Hypertension and Race**
Moderator:
 Norrina B Allen, PhD, MPH, Northwestern University, Chicago, IL
- MP61 Dairy Products such as Milk are Associated with a Lower Risk of Hypertension in Singapore Chinese**
Mohammad Talaie Pashiri, Natl Univ of Singapore, Singapore, Singapore; An Pan, Huazhong Univ of Science and Technology, Wuhan, Hubei, China; Jian-Min Yuan, Univ of Pittsburgh Cancer Inst, Pittsburgh, PA; Woon-Puay Koh, Duke-NUS Graduate Medical Sch, Singapore, Singapore
- MP62 Aortic Root Dilation and Incident Cardiovascular Events in African Americans: the Jackson Heart Study**
Daisuke Kamimura, Takeki Suzuki, Solomon K. Musani, Michael E. Hall, Adolfo Correa, Ervin R. Fox, William C. Little, Univ of Mississippi Medical Ctr, Jackson, MS
- MP63 Loss of Ideal Blood Pressure In Childhood: Age-specific Emergence of Gender and Race/ethnic Disparities**
Shakia T. Hardy, Katelyn M. Holliday, Sujatro Chakladar, Joseph C. Engeda, Gerardo Heiss, Danyu Lin, Christina M. Shay, Donglin Zeng, Christy L. Avery, UNC-Chapel Hill, Chapel Hill, NC
- MP64 Trends in Racial Differences in Control of Hypertension, 2008-2014**
Kristi Reynolds, Zoë Bider, Corinna Koebnick, Michael Kanter, Kaiser Permanente Southern California, Pasadena, CA; Joel Handler, Kaiser Permanente Southern California Anaheim, CA
- MP65 Masked Hypertension is Associated with Cardiovascular Disease Events in African Americans: the Jackson Heart Study**
John N. Booth III, Univ of Alabama at Birmingham, Birmingham, AL; Keith M Diaz, Columbia Univ Medical Ctr, New York, NY; Samantha Seals, Mario Sims, Univ of Mississippi Medical Ctr, Jackson, MS; Joseph Ravenell, New York Univ Sch of Med, New York, NY; Paul Muntner, Univ of Alabama at Birmingham, Birmingham, AL; Daichi Shimbo, Columbia Univ Medical Ctr, New York, NY
- MP66 Significant Positive Association of Progression in Arterial Stiffness with Accelerated Increase in Aortic Calcification among Multi-ethnic Middle-aged Men (ERA JUMP Study)**
Jingchuan Guo, Univ of Pittsburgh, Pittsburgh, PA; Akira Fujiyoshi, Shiga Univ of Medical Science, Shiga, Japan; Kamal Masaki, Kuakini Medical Ctr, Honolulu, HI; Vishnu Abhishek, West Virginia Univ, Morgantown, WV; Emma Barinas-Mitchell, Univ of Pittsburgh, Pittsburgh, PA; Takashi Hisamatsu, Shiga Univ of Medical Science, Shiga, Japan; Vasudha Ahuja, Univ of Pittsburgh, Pittsburgh, PA; Bradley Willcox, Kuakini Medical Ctr, Honolulu, HI; Katsuyuki Miura, Shiga Univ of Medical Science, Shiga, Japan; Beatriz Rodriguez, Univ of Hawaii, Honolulu, HI; Hirotsugu Ueshima, Shiga Univ of Medical Science, Shiga, HI; Lewis H Kuller, Akira Sekikawa, Univ of Pittsburgh, Pittsburgh, PA

Poster Presentations (continued)

MP12 Population Burden of CVD

Moderator:

Christina M. Shay, PhD, University of North Carolina, Chapel Hill, NC

- MP67 Transition from Cardiovascular Disease to Cancer as the Leading Cause of Death in US States, 1999-2013**
Michael C. Harding, Chantel D. Sloan, Ray M. Merrill, Tiffany M. Harding, Brigham Young Univ, Provo, UT; Brian J. Thacker, Midwestern Univ, Glendale, AZ; Evan L. Thacker, Brigham Young Univ, Provo, UT
- MP68 Populations With Multiple Adverse Behavioral Factors**
Thomas Eckstein, Laura Houghtaling, Mariah Quick, Arundel Metrics, Inc, St Paul, MN
- MP69 Hypertension, Overweight and Obesity among US Immigrants: An Analysis of the 2010-2014 National Health Interview Survey**
Yvonne Y. Comodore-Mensah, Emory Univ Sch of Nursing, Atlanta, GA; **Ruth-Alma Turkson-Ocran**, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Jonathan Aboagye, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Laura Samuel, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Carolyn Reilly, Emory Univ Sch of Nursing, Atlanta, GA
- MP70 Impact of Cardiovascular Health Metrics on Life Expectancy and All-Cause Mortality in Middle-Aged and Elderly Men and Women**
Chong-Do Lee, Tongyu MA, Arizona State Univ, Phoenix, AZ
- MP71 Undetected Disease and Low Medication Adherence Are Major Determinants of Poor Cardiovascular Risk Factor Control in Rural India**
Aditya K. Khetan, Univ Hosp/Case Western Reserve Univ, Cleveland, OH; Raghunandan Purushothaman, Univ of Arkansas for Medical Sciences, Little Rock, AR; Rishab Gupta, All India Inst of Medical Sciences, New Delhi, India; Sushil Agarwal, SEHAT, Dalkhola, India; Sri Krishna Madan Mohan, Richard A. Josephson, Univ Hosp/Case Western Reserve Univ, Cleveland, OH
- MP72 Geographic and Demographic Patterns of Rheumatic Heart Disease in Western Kenya**
Rebecca Lumsden, Sch of Med, Univ of Massachusetts Medical Sch, Worcester, MA; Constantine Akwanalo, Div of Med, Moi Teaching and Referral Hosp, Eldoret, Kenya; Wendy P. O'Meara, Duke Global Health Inst, Duke Univ, Durham, NC; Gerald S. Bloomfield, Div of Cardiology and Duke Clinical Res Inst, Duke Univ, Durham, NC

MP13 Insulin Resistance

Moderator:

Frank Hu, MD, PhD, Harvard School of Public Health, Boston, MA

- MP73 Relationship of Insulin Resistance to Prevalence and Progression of Coronary Artery Calcification beyond Metabolic Syndrome in a General Population**
Masahiro Yamazoe, Takashi Hisamatsu, Ctr for Epidemiologic Res in Asia, Shiga Univ of Medical Science, Otsu, Japan; Katsuyuki Miura, Sayaka Kadowaki, Maryam Zaid, Dept of Public Health, Shiga Univ of Medical Science, Otsu, Japan; Aya Kadota, Ctr for Epidemiologic Res in Asia, Shiga Univ of Medical Science, Otsu, Japan; Akira Fujiyoshi, Dept of Public Health, Shiga Univ of Medical Science, Otsu, Japan; Robert Abbott, Hisatomi Arima, Ctr for Epidemiologic Res in Asia, Shiga Univ of Medical Science, Otsu, Japan; Akira Sekikawa, Dept of Epidemiology, Graduate Sch of Public Health, Univ of Pittsburgh, Pittsburgh, PA; Hiroshi Maegawa, Div of Endocrinology and Metabolism, Dept of Internal Med, Shiga Univ of Medical Science, Otsu, Japan; Minoru Horie, Dept of Cardiovascular and Respiratory Med, Shiga Univ of Medical Science, Otsu, Japan; Hirotsugu Ueshima, Dept of Public Health, Shiga Univ of Medical Science, Otsu, Japan
- MP74 Hnf1a Variant, Energy-reduced Diets, Weight Loss And Insulin Resistance: The Pounds Lost And Direct Trials**
Tao Huang, Tiange Wang, Yan Zheng, Kerry Ivey, Harvard Sch of Public Health, Boston, MA; Ronen Durst, Hadassah Hebrew Univ Medical Ctr, Jerusalem, Israel; Dan Schwarzfuchs, The Nuclear Res Ctr in Dimona, Jerusalem, Israel; Meir Stampfer, Harvard Sch of Public Health, Boston, MA; George Bray, Pennington Biomedical Res Ctr of the Louisiana State Univ System, Baton Rouge, LA; Frank Sacks, Harvard Sch of Public Health, Boston, MA; Iris Shai, Dept of Public Health, Ben Gurion Univ of the Negev, Beer Sheva, Israel; Lu Qi, Harvard Sch of Public Health, Boston, MA
- MP75 Assessment of the Genetic Role of Potential Metabolic Therapeutic Targets Along Insulin Signaling And Adipogenesis Pathways**
Kei Hang Katie Chan, Dept of Epidemiology, Brown Univ, Providence, RI; Haiyan Xu, Depts of Epidemiology and Med, Brown Univ, Providence, RI; Xi Rossi Luo, Dept of Biostatistics, Brown Univ, Providence, RI; Simin Liu, Depts of Epidemiology and Med, Brown Univ, Providence, RI

Poster Presentations (continued)

MP76 Severe Hypoglycemia and Prevalence of Cognitive Impairment in Older Adults with Diabetes: the Atherosclerosis Risk in Communities (ARIC) Study
Alexandra K. Lee, Andreea M. Rawlings, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Andrea L. Schneider, Johns Hopkins Sch of Med, Baltimore, MD; A. Richey Sharrett, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Elbert S. Huang, Univ of Chicago, Section of General Internal Med, Chicago, IL; Elizabeth Selvin, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD

MP77 Glucose Peaks and Risk of Dementia among Persons with Diabetes: the Atherosclerosis Risk in Communities (ARIC) Study
Andreea Rawlings, A. Richey Sharrett, Johns Hopkins Univ, Baltimore, MD; Thomas Mosley, Univ of Mississippi Medical Ctr, Jackson, MS; Shoshana Ballew, Jennifer Deal, Johns Hopkins Univ, Baltimore, MD; Michael Steffes, Univ of Minnesota, Minneapolis, MN; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD

MP78 Effects of Regular Endurance Exercise on GlycA: Results Across Four Exercise Training Studies
Mark A. Sarzynski, Univ of South Carolina, Columbia, SC; Timothy S. Church, Pennington Biomedical Res Ctr, Baton Rouge, LA; James M. Hagberg, Rian Landers-Ramos, Univ of Maryland, College Park, MD; Arthur S. Leon, Univ of Minnesota, Minneapolis, MN; Dabeeru C. Rao, Washington Univ Sch of Med, St. Louis, MO; Richard L. Seip, Hartford Hosp, Hartford, CT; James S. Skinner, Indiana Univ, Bloomington, IN; Paul D. Thompson, Hartford Hosp, Hartford, CT; Kenneth R. Wilund, Univ of Illinois, Urbana-Champaign, IL; Claude Bouchard, Pennington Biomedical Res Ctr, Baton Rouge, LA

MP14 Genetics

Moderator:

Jennifer Wessel, PhD, Indiana University, Indianapolis, IN

MP79 Identification of Novel Loci Associated with Anthropometric Traits in African Ancestry Populations
Maggie C. Ng, Wake Forest Sch of Med, Winston-Salem, NC; Mariaelisa Graff, Anne Justice, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Ying Chang Lu, Icahn Sch of Med at Mount Sinai, New York, NY; Poorva Mudgal, Wake Forest Sch of Med, Winston-Salem, NC; Ching-Ti Liu, Boston Univ Sch of Public Health, Boston, MA; Kristin Rand, Univ of Southern California, Los Angeles, CA; Qing Duan, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Brian Cade, Brigham and Women's Hosp, Boston, MA; Jennifer Brody,

Univ of Washington, Seattle, WA; Mary K. Wojczynski, Mary F Feitosa, Washington Univ Sch of Med, St. Louis, MO; Lisa R. Yanek, Johns Hopkins Univ Sch of Med, Baltimore, MD; Jennifer A. Smith, Univ of Michigan, Ann Arbor, MI; Michael A Nalls, Natl Inst on Aging, Bethesda, MD; Guanjie Chen, Natl Insts of Health, Bethesda, MD; Jin Sha, Univ of Alabama at Birmingham, Birmingham, AL; Leslie Lange, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Sailaja Vedantam, Boston Children's Hosp, Boston, MA; Xiuqing Guo, Harbor-UCLA Medical Ctr, Torrance, CA; Wei-Min Chen, Univ of Virginia, Charlottesville, VA; Alessandra Chesi, Children's Hosp of Philadelphia, Philadelphia, PA; Christopher Haiman, Univ of Southern California, Los Angeles, CA; Ruth Loos, Icahn Sch of Med at Mount Sinai, New York, NY; Kari North, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

MP80 Genome-wide Meta-analysis of SNP-by-antihypertensive Treatment Class Effect on Serum Potassium in Cohorts of European and African Ancestry from Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium

Marguerite R. Irvin, Degui Zhi, UAB, Birmingham, AL; Colleen Sitlani, UW, Seattle, WA; Nita Limdi, UAB, Birmingham, AL; Joshua A. Bis, James Floyd, UW, Seattle, WA; Christy Avery, Eric Whitsel, Leslie Lange, UNC, Chapel Hill, NC; Albert Smith, Icelandic Heart Association, Kopavogur, Iceland; Raymond Noordam, Erasmus Medical Ctr, Rotterdam, Netherlands; Donna Arnett, UAB, Birmingham, AL; Bruce Psaty, UW, Seattle, WA

MP81 Genes Regulating Ion Transport Implicated in a Large Multi-ethnic Pharmacogenomics Study of Thiazide Diuretics and QT Interval: The Cohorts for Heart and Aging Research using Genomic Epidemiology Pharmacogenetics Working Group (CHARGE PWG)

Amanda A. Seyerle, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Colleen M. Sitlani, Univ of Washington, Seattle, WA; Christy L. Avery, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; CHARGE Pharmacogenetics Working Group

MP82 The Effect of Nicotinic Acetylcholine Receptor Genes CHRNA3/5 on Thoracic Aortic Calcium Is Mediated by Smoking

Sharon M. Lutz, Univ of Colorado, Anschutz Medical Campus, Aurora, CO; Michael Cho, Brigham and Women's Hosp, Boston, MA; Greg Kinney, Kendra Young, Katherine Pratte, Lindsey Duca, Univ of Colorado, Anschutz Medical Campus, Aurora, CO; Marilyn Foreman, Morehouse Medical Sch, Atlanta, GA; Terri Beaty, Johns Hopkins Univ, Baltimore, MD; Ed Silverman, Brigham and Women's Hosp,

Poster Presentations (continued)

- Boston, MA; Matthew Budoff, UCLA, Los Angeles, CA; John Hokanson, Univ of Colorado, Anschutz Medical Campus, Aurora, CO
- MP83 Exomechip Meta-analysis of 526,508 Individuals from Five Ancestries Identifies Coding Variation in MC4R and KSR2 Associated With Body Mass Index**
Heather M. Highland, Univ of North Carolina, Chapel Hill, NC; Valérie Turcot, Montreal Heart Inst, Montreal, QC, Canada; Yingchang Lu, Claudia Schurmann, Icahn Sch of Med at Mount Sinai, New York, NY; Anne E. Justice, Kristin L. Young, Mariaelisa Graff, Univ of North Carolina, Chapel Hill, NC; Adam E. Locke, Judy Wang, Petra Lenzini, Washington Univ Sch of Med, St. Louis, MO; L. A. Cupples, Boston Univ Sch of Public Health, Boston, MA; Timothy Frayling, Univ of Exeter Medical Sch, Exeter, United Kingdom; Joel N. Hirschhorn, Broad Inst of the Massachusetts Inst of Technology and Harvard Univ, Boston, MA; Guillaume Lettre, Univ de Montréal, Montréal, QC, Canada; Cecilia M. Lindgren, Broad Inst of Harvard and MIT, Boston, MA; Kari E. North, Univ of North Carolina, Chapel Hill, NC; Ingrid B. Borecki, Washington Univ Sch of Med, St. Louis, MO; Ruth J. Loos, Icahn Sch of Med at Mount Sinai, New York, NY; BBMRI; GoT2D; CHARGE; GIANT Consortia
- MP84 Trans-ethnic Meta-analysis of Exome Chip Data Reveals Novel Low-frequency Variants Contributing to Central Adiposity**
Kristin L. Young, Anne Justice, Univ of North Carolina, Chapel Hill, NC; Tugce Karaderi, Wellcome Trust Ctr for Human Genetics, Oxford, United Kingdom; Heather Highland, Mariaelisa Graff, Univ of North Carolina, Chapel Hill, NC; Valerie Turcot, Univ of Montreal, Montreal, QC, Canada; Paul Auer, Univ of Wisconsin-Milwaukee, Milwaukee, WI; Nancy Heard-Costa, Boston Univ Sch of Med, Boston, MA; Claudia Schurmann, Mount Sinai, New York City, NY; Yingchang Lu, Mount Sinai, New York City, NY; Dorota Pasko, Univ of Exeter, Exeter, United Kingdom; L. Adrienne Cupples, Boston Univ, Boston, MA; Caroline Fox, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Thomas Winkler, Univ of Regensburg, Regensburg, Germany; Robert Scott, Univ of Cambridge, Cambridge, United Kingdom; Mark McCarthy, Univ of Oxford, Oxford, United Kingdom; Karen Mohlke, Univ of North Carolina, Chapel Hill, NC; Ruth J. F. Loos, Mount Sinai, New York City, NY; Kari North, Univ of North Carolina, Chapel Hill, NC; Ingrid Borecki, Washington Univ, St Louis, MO; Cecilia Lindgren, Broad Inst, Boston, MA; BBMRI; GOT2D; CHARGE; GIANT

MP15 Lifestyle Behaviors and Health Outcomes in Youth

Moderator:

Jonathan McGavock, PhD, Children's Hospital Institute of Manitoba, Winnipeg, MB, Canada

- MP85 Fitbit Provides Valid Measures of Sedentary and Physical Activity in Preschool Children**
Wonwoo Byun, Allison Barry, North Dakota State Univ, Fargo, ND; Jung-Min Lee, Univ of Nebraska Omaha, Omaha, NE; Youngdoek Kim, Texas Tech Univ, Lubbock, TX
- MP86 Hemodynamic and Metabolomic Change from Lifestyle Driven Weight Loss in Obese Adolescents**
Justin P. Zachariah, Baylor Coll of Med / Texas Children's Hosp, Houston, TX; Jane W. Newburger, Boston Children's Hosp, Boston, MA; Gary F. Mitchell, Cardiovascular Engineering Inc, Norwood, MA
- MP87 Achieving Multiple Lifestyle Behaviour Targets Reduces the Risk of Hypertension in Adolescents**
Jonathan McGavock, Children's Hosp Inst of Manitoba, Winnipeg, MB, Canada; Valerie Carson, Univ of Alberta, Edmonton, AB, Canada; Healthy Hearts Investigator Group
- MP88 Sodium, Sugar and Fat Content in Commercial Infant and Toddler Foods, 2015**
Joyce Maalouf, **Mary E. Cogswell**, Ctrs for Disease Control and Prevention, Atlanta, GA; Marlana Bates, Emory Univ, Atlanta, GA; Kelley Scanlon, Janelle P. Gunn, Keming Yuan, Robert Merritt, Ctrs for Disease Control and Prevention, Atlanta, GA
- MP89 Effectiveness of School Procurement Policies for Improving Dietary Behaviors: A Systematic Review and Meta-analysis**
Renata Micha, Friedman Sch of Nutrition Science & Policy, Boston, MA; Ioanna Bakogianni, Dimitra Karageorgou, Dept of Food Science & Human Nutrition, Agricultural Univ of Athens, Athens, Greece; Eirini Trichia, MRC Epidemiology Unit, Univ of Cambridge Sch of Clinical Med, Cambridge, United Kingdom; Masha L. Shulkin, Siyi Shangquan, Michael Kashaf, Dariush Mozaffarian, Friedman Sch of Nutrition Science & Policy, Boston, MA
- MP90 Identifying Risk Profiles for Sedentary Behavior In Youth Using Recursive Partitioning Based on Individual, Familial and Neighborhood Environment Factors**
Tracie A. Barnett, Sainte-Justine Hosp, Montreal, QC, Canada; Gisele Contreras, INRS-Inst Armand Frappier/Univ du Québec, Montreal, QC, Canada; Andraea Van Hulst, Sainte-Justine Hosp/McGill Univ, Montreal, QC, Canada; Marie-Eve Mathieu, Univ de Montréal, Montreal, QC,

Poster Presentations (continued)

Canada; Melanie Henderson, Sainte-Justine Hosp, Montreal, QC, Canada

MP16 Sleep

Moderator:

Michael A. Grandner, PhD, University of Pennsylvania, Philadelphia, PA

MP91 Habitual Sleep Duration and Health: A Possible Role for Exercise

Christine M. Hall, Sierra Forbush, Univ of Arizona, Tucson, AZ; Shawn Youngstedt, Arizona State Univ, Tempe, AZ; Scott Killgore, Univ of Arizona, Tucson, AZ; Holly Barilla, Univ of Pennsylvania, Philadelphia, PA; Jo-Ann Gehrels, Pamela Alfonso-Miller, William Palmer, Nancy Carrazco, Michael Grandner, Univ of Arizona, Tucson, AZ

MP92 Changes in Objective and Subjective Sleep Parameters Following a 12-month Behavioral Weight Loss Intervention and their Relationship to Weight Change

Christopher E. Kline, Patrick J. Strollo, Eileen R. Chasens, Bonny Rockette-Wagner, Andrea M. Kriska, Christopher C. Imes, Susan M. Sereika, Lora E. Burke, Univ of Pittsburgh, Pittsburgh, PA

MP93 Actigraphy Measured Sleep Indices and Adiposity: The Multi-Ethnic Study of Atherosclerosis

Rachel Ogilvie, Univ of Minnesota, Minneapolis, MN; Susan Redline, Brigham and Women's Hosp and Beth Israel Deaconess Medical Sch, Harvard Medical Sch, Boston, MA; Alain G. Bertoni, Wake Forest Univ Health Sciences, Winston-Salem, NC; Xiaoli Chen, Harvard T.H. Chan Sch of Public Health, Boston, MA; Moyses Szklo, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Pamela Ouyang, Johns Hopkins Univ Sch of Med, Baltimore, MD; Pamela Lutsey, Univ of Minnesota, Minneapolis, MN

MP94 Short Sleep Duration Modifies the Relationship between Cognitive Impairment Associated with Cardiovascular Disease and All-cause Mortality

Julio Fernandez-Mendoza, Fan He, Alexandros N. Vgontzas, Duanping Liao, Edward O. Bixler, Penn State Coll of Med, Hershey, PA

MP95 Should Habitual Sleep Duration Be Added to "Life's Simple 7?"

Michael A. Grandner, Univ of Arizona, Tucson, AZ; Freda Patterson, Univ of Delaware, Wilmington, DE; Susan Kohl Malone, Alexandra Hanlon, Univ of Pennsylvania, Philadelphia, PA; Patricia Haynes, Univ of Arizona, Tucson, AZ; Megan Petrov, Arizona State Univ, Phoenix, AZ; Sairam Parthasarathy, Univ of Arizona, Tucson, AZ

MP96 Long Sleep and Evening Chronotype Associated with Poor Cardiovascular Health Behaviors

Freda Patterson, Univ of Delaware, Newark, DE; Susan K. Malone, Univ of Pennsylvania, Philadelphia, PA; Alicia Lozano, Drexel Univ, Philadelphia, PA; Michael A. Grandner, Univ of Arizona, Tucson, AZ; Christina Calamaro, Nemours, Wilmington, DE; Alexandra Hanlon, Univ of Pennsylvania, Philadelphia, PA

MP17 Stroke

Moderator:

Monik Jimenez, ScD, SM Brigham and Women's Hospital, Boston, MA

MP97 Physical Inactivity is a Strong Risk Factor for Stroke in the Oldest Old Findings from the Northern Manhattan Study

Joshua Z. Willey, Yeseon Park Moon, Chensy E. Marquez, Columbia Univ, New York, NY; Ralph L. Sacco, Clinton B. Wright, Univ of Miami, Miami, FL; Mitchell S. Elkind, Yuen Kuen Cheung, Columbia Univ, New York, NY

MP98 Circulating Phospholipid n-3 Polyunsaturated Fatty Acids and Incident Atherothrombotic and Cardioembolic Ischemic Stroke in 3 Large U.S. Cohorts

Hamidreza Saber, Boston Univ Sch of Public Health, Boston, MA; Mohammad Y. Yakoob, Harvard T.H. Chan Sch of Public Health, Boston, MA; Peilin Shi, Friedman Sch of Nutrition Science & Policy, Tufts Univ, Boston, MA; Will Longstreth, Dept of Neurology, Univ of Washington, Seattle, WA; Eric B. Rimm, Harvard T.H. Chan Sch of Public Health, Boston, MA; Rozenn N. Lemaitre, Dept of Med, Univ of Washington, Seattle, WA; David Siscovick, New York Acad of Med, New York, NY; Kathryn Rexrode, Div of Preventive Med, Brigham and Women's Hosp, Boston, MA; Walter C. Willett, Dept of Nutrition, Harvard T.H. Chan Sch of Public Health, Boston, MA; Dariush Mozaffarian, Friedman Sch of Nutrition Science & Policy, Tufts Univ, Boston, MA

MP99 Cerebral Small Vessel Disease and the Epigenetic Clock: The Atherosclerosis Risk in Communities Study

Abhay Raina, Xiaoping Zhao, Jan Bressler, Univ of Texas Health Science Ctr at Houston, Houston, TX; Rebecca F. Gottesman, Johns Hopkins Univ, Baltimore, MD; Megan L. Grove, Univ of Texas Health Science Ctr at Houston, Houston, TX; Weihua Guan, James S. Pankow, Univ of Minnesota, Minneapolis, MN; Eric Boerwinkle, Univ of Texas Health Science Ctr at Houston, Houston, TX; Thomas H Mosley, Univ of Mississippi Medical Ctr, Jackson, MS; **Myriam Fornage**, Univ of Texas Health Science Ctr at Houston, Houston, TX

Poster Presentations (continued)

MP100 Arterial Stiffness and Pressure Amplification Associated with Markers of Cerebral Microvascular Disease: The Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS)

Priya Palta, Jingkai Wei, Michelle Meyer, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Melinda C. Power, George Washington Univ, Washington, DC; Jennifer A. Deal, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Clifford R Jack, David Knopman, Mayo Clinic, Rochester, MN; Jacqueline Wright, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Claudia Moy, Natl Inst of Neurological Disorders and Stroke, Bethesda, MD; Michael Griswold, Univ of Mississippi Medical Ctr, Jackson, MS; Hirofumi Tanaka, Univ of Texas at Austin, Austin, TX; Thomas H. Mosley, Univ of Mississippi Medical Ctr, Jackson, MS; Gerardo Heiss, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

MP101 Infection as a Trigger for Ischemic Stroke: the ARIC Study

Logan T. Cowan, Alvaro Alonso, James S. Pankow, Aaron R. Folsom, Univ of Minnesota, Minneapolis, MN; Wayne D. Rosamond, Univ of North Carolina, Chapel Hill, NC; Rebecca F. Gottesman, Johns Hopkins Univ, Baltimore, MD; Kamakshi Lakshminarayan, Univ of Minnesota, Minneapolis, MN

MP102 Family Caregiving is Associated with Increased Stroke Risk Among Strained Spouse Caregivers

Sindhu Lakkur, Virginia Howard, Suzanne Judd, Univ of Alabama at Birmingham, Birmingham, AL; William Haley, Univ of South Florida, Tampa, FL; David Roth, Johns Hopkins Univ, Baltimore, MD

Poster Presentations

2020 Goals

P001 Early Loss of Ideal LDL in Multi-Ethnic Populations: Why Focusing on Young Adults is Needed to Achieve the AHA 2020 Goals

Joseph Engeda, Katelyn Holliday, Shakia Hardy, Sujatro Chakladar, Gerardo Heiss, Christy Avery, Univ of North Carolina, Chapel Hill, Chapel Hill, NC

P002 Black-White Differences in the Association of Neighborhood Socioeconomic Status with AHA's Life's Simple 7: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study

Virginia J. Howard, George Howard, April P. Carson, Shauntice Allen, Suzanne E. Judd, Monika M. Safford, Paul M Muntner, Univ of Alabama-Birmingham, Birmingham, AL; Leslie A. McClure, Drexel Univ, Philadelphia, PA; Mary Cushman, Univ of Vermont Coll of Med, Burlington, VT

P003 Comparison Of Ideal Cardiovascular Health Status Across National Representative Cohorts:

A Systematic Review

Adnan Younus, Rehan Malik, Rameez Ahmad, Shozab Ali, Muhammad Aziz, Syed M. S. Bukhari, Oluseye Ogunmoroti, Chukwuemeka Osondu, Muhammad Amir Younus, Lara Roberson, Muhammad A. Latif, Choudhry Humayun, Emir Veledar, Khurram Nasir, Baptist Health South Florida, Miami, FL

P004 Estimating the Mortality Benefits of Ideal Cardiovascular Health: A Dose-Response Meta-Analysis

Ehimen C. Aneni, Mount Sinai Medical Ctr, Miami Beach, FL; Alessio Crippa, Inst of Environmental Med, Karolinska Instt, Stockholm, Sweden; Adnan Younus, Chukwuemeka U. Osondu, Emir Veledar, Khurram Nasir, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL

Arrhythmia/Sudden Death

P005 Comparative Effectiveness of Rivaroxaban Versus Warfarin for the Treatment of Patients with Non-valvular Atrial Fibrillation

Faye L. Norby, Univ of Minnesota, Minneapolis, MN; Lindsay G. Bengtson, Optum, Minneapolis, MN; Lin Y. Chen, Richard F. MacLehose, Pamela L. Lutsey, Ian Rapson, Alvaro Alonso, Univ of Minnesota, Minneapolis, MN

P006 A Population-Based Approach to Sudden Unexpected Death Epidemiology

Chani J. Hodonsky, Univ of North Carolina Gillings Sch of Public Health, Chapel Hill, NC; Irion W. Pursell, Sarah Chen, Carter Devlin, J. Paul Mounsey, Ross J. Simpson, Univ of North Carolina Sch of Med, Chapel Hill, NC

P007 Association of Plasma Lactate with Incident Atrial Fibrillation in the ARIC Study

Satish Misra, Johns Hopkins, Baltimore, MD; Kunihiro Matsushita, Yingying Sang, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Lin Chen, Univ of Minnesota Medical Sch, Baltimore, MD; Josef Coresh, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Maria Ines Schmidt, Federal Univ of Rio Grande do Sul, Porto Alegre, Brazil; Ron Hoogeveen, Christie Ballantyne, Baylor Coll of Med and Methodist DeBakey Heart and Vascular Ctr, Houston, TX; Alvaro Alonso, Univ of Minnesota Sch of Public Health, Minneapolis, MN; J. Hunter Young, Johns Hopkins Univ Sch of Med, Baltimore, MD

P008 Repeatability of Ectopic Beats from 48-Hour Ambulatory Electrocardiography: The Atherosclerosis Risk in Communities (ARIC) Study

Michelle L. Meyer, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Elsayed Z. Soliman, Wake Forest Sch of Med, Winston Salem, NC; Lisa Wruck, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Thomas H. Mosley, Univ of

Poster Presentations (continued)

Mississippi Medical Ctr, Jackson, MS; Anna Poon, Eric A. Whitsel, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Alonso Alvaro, Univ of Minnesota, Minneapolis, MN; Gerardo Heiss, Laura R. Loehr, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

P009 Risk of Mortality According to Burden of Atrial Fibrillation: Results from A 60-year Cohort Study

William F. McIntyre, Mahmoud Tourabi, Philip D. St John, Robert B. Tate, Univ of Manitoba, Winnipeg, MB, Canada

Biomarkers

P010 Serum Vitamin D and Risk of Heart Failure: Prospective Results from the Moli-sani Study

Simona Costanzo, Amalia De Curtis, Augusto Di Castelnuovo, Mariarosaria Persichillo, Maria Benedetta Donati, Giovanni de Gaetano, Licia Iacoviello, IRCCS Istituto Neurologico Mediterraneo NEUROMED, Pozzilli, Italy; MOLI-SANI Study Investigators

P011 Serum Magnesium and the Incidence of Coronary Heart Disease over 20 years of Follow-Up: The Atherosclerosis Risk in Communities Study

Jeffrey R. Misialek, Alvaro Alonso, Aaron R. Folsom, Univ of Minnesota, Minneapolis, MN; Erin D. Michos, Casey M. Rebholz, Johns Hopkins Univ Sch of Med, Baltimore, MD; Pamela L. Lutsey, Univ of Minnesota, Minneapolis, MN

P012 Associations Between Plasma Phospholipid and Cholesterol Ester Fatty Acids and Reproducibility During 10-year Follow-up of Elderly Individuals: A Population Based Study

Matti Marklund, Lars Lind, Ulf Risérus, Uppsala Univ, Uppsala, Sweden

P013 Association between Serum Chemerin Levels and Coronary Heart Disease: A Meta Analysis

Pradyumna Agasthi, Pradyumna Agasthi, Atlanta, GA; Sivakanth Aloor, Univ of Miami, Miller Sch of Med, Miami, FL; Avantika Chenna, Vivek Menon, Rachel Harris, Morehouse Sch of Med, Atlanta, GA

P014 Association Between Serum Resistin Levels and Coronary Artery Disease: A Meta-Analysis

Pradyumna Agasthi, Morehouse Sch of medicine, Atlanta, GA; Sivakanth Aloor, Univ of Miami, Miller Sch of Med, Miami, FL; Vivek Yalagadda, Atlanticare Regional Medical Ctr., Atlantic City, NJ; Avantika Chenna, Vivek Menon, Morehouse Sch of medicine, Atlanta, GA; Kothandaraman Purushothaman, Icahn Sch of Med at Mount Sinai, New York, NY

P015 Associations of Activated Coagulation Factor VII-Antithrombin Complex (FVIIa-AT), a Novel Coagulation Biomarker, with Genetic Variants in the F7/F10 Locus and Risk of Cardiovascular Disease Mortality: the Cardiovascular Health Study

Nels C. Olson, Univ of Vermont Coll of Med, Burlington, VT; Leslie A. Lange, Univ of North Carolina Sch of Med, Chapel Hill, NC; W.T. Longstreth, Alex P. Reiner, Univ of Washington, Seattle, WA; Russell P. Tracy, Univ of Vermont Coll of Med, Burlington, VT

P016 Metabolites of Glutamate Metabolism are Associated With Incident Cardiovascular Events in the Predimed ("Prevencion Con Dieta Mediterranea") Trial

Yan Zheng, Frank B. Hu, Harvard Sch of Public Health, Boston, MA; Miguel Ruiz-Canela, Univ of Navarra, Pamplona, Spain; Clary Clish, Courtney Dennis, Broad Inst of MIT and Harvard Univ, Boston, MA; Jordi Salas-Salvado, Univ Rovira i Virgili, Reus, Spain; Adela Hruby, Liming Liang, Harvard Sch of Public Health, Boston, MA; Estefania Toledo, IDISNA (Insto de Investigación Sanitaria de Navarra), Pamplona, Spain; Dolores Corella, Univ of Valencia, Valencia, Spain; Emilio Ros, Univ of Barcelona, Barcelona, Spain; Montserrat Fitó, Inst de Recerca Hosp del Mar, Barcelona, Spain; Enrique Gómez-Gracia, Univ of Malaga, Malaga, Spain; Fernando Arós, Univ Hosp of Alava, Vitoria, Spain; Miquel Fiol, Hosp Son Espases, Palma de Mallorca, Spain; José Lapetra, Distrito Sanitario Atención Primaria Sevilla, Sevilla, Spain; Lluís Serra-Majem, Univ of Las Palmas de Gran Canaria, Las Palmas, Spain; Ramón Estruch, Univ of Barcelona, Barcelona, Spain; Miguel A. Martínez-González, Univ of Navarra, Pamplona, Spain

P017 Serum Vitamin D, Sex Hormones and Erectile Dysfunction in the Multi-Ethnic Study of Atherosclerosis (MESA)

Di Zhao, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Pamela Ouyang, Johns Hopkins Sch of Med, Baltimore, MD; Ian H. De Boer, Univ of Washington, Seattle, MD; Pamela L. Lutsey, Univ of Minnesota, Minneapolis, MN; Youssef MK Farag, Eliseo Guallar, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; David Siscovick, New York Acad of Med, New York, NY; Wendy S. Post, Michael J. Blaha, Rita R. Kalyani, Kevin L. Billups, Erin D. Michos, Johns Hopkins Sch of Med, Baltimore, MD

P018 Association Between Markers of Inflammation and Total Stroke by Hypertensive Status Among Women

Monik C. Jimenez, Kathryn M. Rexrode, Gregory Kotler, Brendan M. Everett, Robert J. Glynn, I-Min Lee, Julie E. Buring, Paul M. Ridker, Howard D. Sesso, Brigham and Women's Hosp, Boston, MA

Poster Presentations (continued)

P019 Low Ovarian Reserve is Associated With Cardiovascular Disease Risk
Yvonne T. van der Schouw, Annelien C. de Kat, UMC Utrecht, Utrecht, Netherlands; W. M. Verschuren, RIVM, Bilthoven, Netherlands; Marinus J. Eijkemans, Frank J. Broekmans, UMC Utrecht, Utrecht, Netherlands

P020 High-sensitivity Cardiac Troponin T is an Independent Predictor for Coronary Artery Disease in Japanese Population: The Circulatory Risk in Communities Study
Hironori Imano, Public Health, Dept of Social Med, Osaka Univ Graduate Sch of Med, Suita, Japan; Kazumasa Yamagishi, Dept of Public Health Med, Faculty of Med, Univ of Tsukuba, Tsukuba, Japan; Takeo Okada, Osaka Medical Cancer and Cardiovascular Disease Prevention, Osaka, Japan; Akihiko Kitamura, Hiroyasu Iso, Public Health, Dept of Social Med, Osaka Univ Graduate Sch of Med, Suita, Japan; CIRCS Investigators

P021 Hemoglobin A1c (HbA1c) and the Risk of Ischemic Stroke Among Women
Sally N. Adebamowo, Natl Human Genome Res Inst, NIH, Bethesda, MD; Jennifer K. Pai, Harvard T.H. Chan Sch of Public Health, Boston, MA; Monik C. Jiménez, Kathryn M. Rexrode, Brigham and Women's Hosp, Boston, MA

P022 Associations of Brain Natriuretic Peptide with Adipokines in African Americans: the Jackson Heart Study
Steven R. Horbal, Abbas Smiley, Daniel Dibaba, Indiana Univ Sch of Public Health, Bloomington, IN; Solomon K. Musani, Michael E. Hall, Univ of Mississippi Medical Ctr, Jackson, MS; Herman A. Taylor, Morehouse Sch of Med, Atlanta, GA; Ervin R. Fox, Univ of Mississippi Medical Ctr, Jackson, MS; Aurelian Bidulescu, Indiana Univ Sch of Public Health, Bloomington, IN

P023 Subclinical Inflammation and Weight Change in Middle-aged and Older Adults
Emmanuel M. Quaye, Elizabeth Selvin, Chiadi Ndumele, Kunihiro Matsushita, Karen Bandeen-Roche, Johns Hopkins Univ, Baltimore, MD; June Stevens, Priya Palta, Univ of North Carolina, Chapel Hill, NC; Lynne Wagenknecht, Wake Forest Sch of Med, Winston-Salem, NC; Josef Coresh, Johns Hopkins Univ, Baltimore, MD

P024 A Multimarker Approach to Evaluate Cardiac Structure in African Americans: the Jackson Heart Study
James D. Pollard, Univ of Mississippi Medical Ctr, Jackson, MS; Faren White, Germantown High Sch, Madison, MS; Ramachandran S. Vasan, Boston Univ, Boston, CT; Aurelian Bidulescu, Univ of Mississippi Medical Ctr, Jackson, MS; Ervin R. Fox, Solomon K. Musani, Univ of Mississippi Medical Ctr, Jackson, MS

P025 Trimethylamine N-oxide Not Associated with Coronary Artery Calcium in Healthy, Young Adults with Normal Kidney Function: Coronary Artery Risk Development in Young Adults Study, 2000-2011
Katie A. Meyer, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Thomas Z. Benton, Nutrition Res Inst, Kannapolis, NC; Brian Bennett, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; David R. Jacobs, Univ of Minnesota, Minneapolis, MN; Donald M. Lloyd-Jones, Northwestern Univ, Chicago, IL; Myron D. Gross, Univ of Minnesota, Minneapolis, MN; Penny Gordon-Larsen, Steven H. Zeisel, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

P026 Associations of Biomarkers of Endothelial Dysfunction with Hyperglycemia and Insulin Resistance in Hispanic/Latino Youths: Results from the Hispanic Community Children's Health Study/Study of Latino Youth (SOL Youth)
Christina M. Parrinello, Albert Einstein Coll of Med, Bronx, NY; Mercedes R. Carnethon, Feinberg Sch of Med, Northwestern Univ, Chicago, IL; Linda C. Gallo, San Diego State Univ, San Diego, CA; Robert C. Kaplan, Carmen R. Isasi, Albert Einstein Coll of Med, Bronx, NY

P027 Liver Enzymes and Insulin Resistance and Glycemia in Hispanic/Latino Youth: Results from the Hispanic Community Children's Health Study/Study of Latino Youth (SOL Youth)
Christina M. Parrinello, Bryan J. Rudolph, Albert Einstein Coll of Med, Bronx, NY; Mariana Lazo, Johns Hopkins Sch of Med and the Welch Ctr for Prevention, Epidemiology, and Clinical Res, Baltimore, MD; Linda C. Gallo, San Diego State Univ, San Diego, CA; Bharat Thyagarajan, Univ of Minnesota, Minneapolis, MN; Scott J. Cotler, Loyola Univ Chicago, Maywood, IL; Qibin Qi, Albert Einstein Coll of Med, Bronx, NY; Denise C. Vidot, Univ of Miami Leonard M. Miller Sch of Med, Miami, FL; Howard D. Strickler, Robert C. Kaplan, Carmen R. Isasi, Albert Einstein Coll of Med, Bronx, NY

P028 The Prognostic Utility of Vitamin D across Continents in Patients with Suspected Acute Coronary Syndrome
Patrycja A. Naesgaard, Volker Pönitz, Stavanger Univ Hosp, Stavanger, Norway; Ricardo Leon de la Fuente, Cardiology Res Inst, Catholic Univ of Salta, Salta, Argentina; Trygve Brugger-Andersen, Stein Tore Nilsen, Heidi Grundt, Cato Brede, Stavanger Univ Hosp, Stavanger, Norway; Harry Staines, Sigma Statistical Services, Balmullo, United Kingdom; Dennis WT Nilsen, Stavanger Univ Hosp, Stavanger, Norway

Poster Presentations (continued)

P029 Relationships Among Indicators of Oxidative Stress and Antioxidants: the Coronary Artery Risk Development in Young Adults (CARDIA) Study

Myron D. Gross, Otto A. Sanchez, David R. Jacobs, Univ of Minnesota, Minneapolis, MN

Childhood and Youth

P030 Long-term Pharmacotherapy For Elevated Low Density Lipoprotein Levels In Children: A Retrospective Analysis

Collin C. John, Michael Regier, Christa Lilly, Shahenda Aly, West Virginia Univ, Morgantown, WV

P031 Correlation of Sibling Lipid Levels from a Statewide Child Cardiac Risk Factor Registry

Lee A. Pyles, Christa Lilly, William A. Neal, West Virginia Univ, Morgantown, WV

P032 Cardiovascular Risk Factors and Brachial Distensibility in Children

Nicholas M. Edwards, Philip R. Khoury, Elaine M. Urbina, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH

P033 Estimating the Impact of Risk Factors for Hypertrophic Cardiomyopathy-related Mortality Among Persons Aged 12-35: United States, 1999-2013

Olubadewa A. Fatunde, Univ of Illinois at Chicago, Chicago, IL; Matthew D. Ritchey, Ctrs for Disease Control and Prevention, Atlanta, GA

P034 Hypertension in a Pediatric Cardiology Practice

Sara Kristen Sexson Tejtzel, Constance Cephus, Thomas Seery, America Suh, Douglas Moodie, Texas Childrens Hosp/ Baylor Coll of Med, Houston, TX

P035 Association Between Caregiver and Child Metabolic Risk Factors: Hispanic Community Health Study/Study of Latino (SOL) Youth

Mercedes R. Carnethon, Northwestern Univ, Chicago, IL; Srikanth I. Bangdiwala, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; A. Talavera, San Diego State Univ, San Diego, CA; Krista Perreira, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Samantha Reina, Univ of Miami, Miami, FL; Martha L. Daviglius, Univ of Illinois at Chicago, Chicago, IL; Guadalupe X. Ayala, San Diego State Univ, San Diego, CA; Alan M. Delamater, Elizabeth R. Pulgaron, Univ of Miami, Miami, FL; Carmen R. Isasi, Albert Einstein Coll of Med, Bronx, NY

P036 Exploring Systems Thinking as an Underlying Mechanism in Improving Healthy Lifestyles of Overweight and Obese Adolescents: Psychometrics of the Systems Thinking Scale for Adolescent Behavior Change

Shirley M. Moore, Case Western Reserve Univ, Cleveland, OH

P037 School Lunch is Associated with Increased Cardiovascular Risk among Middle-School Children

Rosa S. de Visser, Vrije Univ, Amsterdam, Netherlands; Rachel Sylvester, Qingmei Jiang, Eva Kline-Rogers, Jean DuRussel-Weston, Kim A. Eagle, Elizabeth A. Jackson, Univ of Michigan, Ann Arbor, MI

P038 U.S. Consumer Attitudes Toward Sodium in Baby and Toddler Foods

Katherine A. John, Mary E. Cogswell, CDC, Atlanta, GA; Lixia Zhao, Joyce Maalouf, IHRC Inc., Atlanta, GA; Janelle P. Gunn, Robert Merritt, CDC, Atlanta, GA

P039 American Indian Youth Wellness Initiative

Francine C. Gachupin, Jennie R. Joe, Univ of Arizona, Tucson, AZ; Rohan Shirali, Washington Univ, St. Louis, MO; Susan B. Racette, Washington Univ Sch of Med, St. Louis, MO

P040 Muscle Metaboreflex Regulation of Arterial Blood Pressure in Children with Congenital Heart Defects

Corey R. Tomczak, Stephanie Fusnik, Elizabeth Hogeweide, Univ of Saskatchewan, Saskatoon, SK, Canada; Mark J. Haykowsky, Univ of Arlington at Texas, Arlington, TX; Michael K. Stickland, Univ of Alberta, Edmonton, AB, Canada; Shonah Runalls, Ashok Kakadekar, Scott Pharis, Charissa Pockett, Marta Erlandson, Univ of Saskatchewan, Saskatoon, SK, Canada

P041 Impaired Autonomic Control of Heart Rate at Rest and Slower Post-Exercise Heart Rate Kinetics in Children with Congenital Heart Defects

Elizabeth Hogeweide, Stephanie Fusnik, Josie Fries, Univ of Saskatchewan, Saskatoon, SK, Canada; Mark J. Haykowsky, Univ of Texas at Arlington, Arlington, TX; Michael K. Stickland, Univ of Alberta, Edmonton, AB, Canada; Shonah Runalls, Ashok Kakadekar, Scott Pharis, Charissa Pockett, Marta Erlandson, Corey R. Tomczak, Univ of Saskatchewan, Saskatoon, SK, Canada

P042 Association between Family History of Cardiovascular Disease and Childhood Obesity

Amna Umer, Candice Hamilton, Cris Britton, Lee Pyles, Collin John, William Neal, **Christa Lilly**, West Virginia Univ, Morgantown, WV

P043 Association between Maternal Smoking during Pregnancy and Childhood Blood Pressure and Lipids in Fifth Grade Children Born Full Term

Amna Umer, Candice Hamilton, Cris Britton, Lee Pyles, Collin John, William Neal, **Christa Lilly**, West Virginia Univ, Morgantown, WV

Poster Presentations (continued)

- P044 Difference of Body Composition Between Urban and Rural Overweight Children in Taiwan – Reappraisals Using of BMI as the Criteria for Childhood Obesity**
Nain-Feng Chu, Taitung Hosp, MOHW; Sch of Public Health, NDMC, Taipei, Taiwan; Juy-Ting Hsu, Fu-Hung Lin, Sch of Public Health, NDMC, Taipei, Taiwan
- P045 Public Attitudes to Government Intervention to Improve Children's Diets**
Narelle M. Berry, Sch of Nursing and Midwifery, Flinders Univ, Adelaide, Australia; Patricia Carter, Rebecca Nolan, Public Health and Clinical Systems, SA Health, Adelaide, Australia; Eleonora Dal Grande, c) Population Res and Outcomes Studies, Univ of Adelaide, Adelaide, Australia; Sue Booth, Sch of Health Sciences, Flinders Univ, Adelaide, Australia

Diabetes

- P046 The Subgingival Microbiome, Systemic Inflammation and Insulin Resistance**
Ryan T. Demmer, Alexander Breskin, Michael Rosenbaum, Columbia Univ, New York, NY; Aleksandra Zuk, Univ of Toronto, Toronto, ON, Canada; Charles LeDuc, Rudolph Leibel, Columbia Univ, New York, NY; Bruce Paster, Forsyth Inst, Boston, MA; Moise Desvarieux, Columbia Univ, New York, NY; David Jacobs, Univ of Minnesota, Minneapolis, MN; Panos N. Papapanou, Columbia Univ, New York, NY
- P047 Association Of 1,5-anhydroglucitol With Subclinical Cardiovascular Disease**
Menglu Liang, Johns Hopkins Univ, Baltimore, MD; John William (Bill) McEvoy, Johns Hopkins Hosp, Baltimore, MD; Yuan Chen, A. Richey Sharrett, Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD
- P048 Effects of Aerobic Exercise on Oxidative Stress in the Kidneys of Type 2 Diabetic Rats**
Daisuke Ito, Pengyu Cao, Takaaki Kakihana, Tohoku Univ Graduate Sch of Med, Sendai, Japan; Emiko Sato, Tohoku Univ Graduate Sch of Pharmaceutical Sciences and Med, Sendai, Japan; Yoshikazu Muroya, Yoshiko Ogawa, Gaizun Hu, Tadashi Ishii, Osamu Ito, Masahiro Kohzuki, Hideyasu Kiyomoto, Tohoku Univ Graduate Sch of Med, Sendai, Japan
- P049 Cognitive Function and Brain Structure and Risk for Incident Diabetes: The Atherosclerosis Risk in Communities Study**
Michael P. Bancks, Alvaro Alonso, Univ of Minnesota Sch of Public Health, Minneapolis, MN; Rebecca Gottesman, Johns Hopkins Bayview Medical Ctr, Baltimore, MD; Thomas Mosley, Univ of Mississippi Medical Ctr, Jackson, MS; Elizabeth Selvin, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; James Pankow, Univ of Minnesota Sch of Public Health, Minneapolis, MN

- P050 Perceived Discrimination and Incident Type 2 Diabetes: The Multi-Ethnic Study of Atherosclerosis (MESA)**
Kara M. Whitaker, Univ of Minnesota, Minneapolis, MN; Susan A. Everson-Rose, Univ of Minnesota Medical Sch, Minneapolis, MN; James S. Pankow, Univ of Minnesota, Minneapolis, MN; Carlos J. Rodriguez, Wake Forest Univ Sch of Med, Winston-Salem, NC; Tene T. Lewis, Emory Univ, Atlanta, GA; Kiarri N Kershaw, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Ana V. Diez Roux, Drexel Univ, Philadelphia, PA; Pamela L. Lutsey, Univ of Minnesota, Minneapolis, MN
- P051 Heterogeneity in the Association of Low Birth Weight with Adult-Onset Diabetes: the Brazilian Longitudinal Study of Adult Health**
Noel T. Mueller, Johns Hopkins Univ, Baltimore, MD; James Yarmolinsky, Bruce B. Duncan, Federal Univ of Rio Grande do Sul, Porto Alegre, Brazil; Dora Chor, Oswaldo Cruz Fndn, Natl Sch of Public Health, Rio de Janeiro, Brazil; Isabela M. Bensenor, Univ of Sao Paulo, Sao Paulo, Brazil; Rosane H. Griep, Oswaldo Cruz Fndn, Rio de Janeiro, Brazil; Sandhi M. Barreto, Federal Univ of Minas Gerais, Belo Horizonte, Brazil; Maria Ines Schmidt, Federal Univ of Rio Grande do Sul, Porto Alegre, Brazil
- P052 Glucometabolic State Transitions: The Jackson Heart Study**
Alain G. Bertoni, Haiying Chen, Valery S. Effoe, Wake Forest Univ Sch Med, Winston-Salem, NC; Adolfo Correa, Univ of Mississippi Medical Ctr, Jackson, MS; Mercedes Carnethon, Northwestern Univ, Chicago, IL; Rita R. Kalyani, Johns Hopkins Medical Insts, Baltimore, MD; Justin B. Echouffo-Tcheugui, Harvard Medical Sch, Boston, MA; Joshua J. Joseph, Joshua J. Joseph, Sherita H. Golden, Johns Hopkins Medical Insts, Baltimore, MD
- P053 Glycated Hemoglobin In Relation To Incident Diabetes And Cardiovascular Disease In Non-diabetic Adults**
Patricia A. Metcalf, Cam Kyle, Tim Kenealy, Susan Wells, Rod T. Jackson, Univ of Auckland, Auckland, New Zealand
- P054 A Novel Index of Insulin Resistance and Segment-specific Pulse Wave Velocity: The Atherosclerosis Risk in Communities (ARIC) Study**
Anna K. Poon, Michelle L. Meyer, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Elizabeth Selvin, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; James S. Pankow, Univ of Minnesota, Minneapolis, MN; David Couper, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Joshua W Knowles, Stanford Univ Sch of Med, Stanford, CA; Laura Loehr, Gerardo Heiss, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Hirofumi Tanaka, Univ of Texas at Austin, Austin, TX

Poster Presentations (continued)

P055 Serum Calcium and Diabetes: The Atherosclerosis Risk in Communities (ARIC) Study

Mary R. Rooney, James S. Pankow, Shalamar D. Sibley, Univ of Minnesota Twin-Cities, Minneapolis, MN; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Jared P. Reis, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Erin D. Michos, Johns Hopkins Univ, Baltimore, MD; Pamela L. Lutsey, Univ of Minnesota Twin-Cities, Minneapolis, MN

P056 Diabetes Education for Stroke Inpatients is Incomplete and Differs by Stroke Severity, Age, and Substance Abuse History

Elizabeth Baraban, Lindsey Lucas, Theodore Lowenkopf, Providence Health and Services, Portland, OR

P057 Clusters of Cardiovascular Risk Factors Predict Incidence of Type 2 Diabetes in Men and Women: a Swedish Population-based Study

Charlotte A. Larsson, Lund Univ, Dept of Clinical Sciences, Malmö, Sweden; Bledar Daka, Margareta I. Hellgren, Maria C. Eriksson, Univ of Gothenburg, Inst of Med at Sahlgrenska Acad, Dept of Primary Health Care, Göteborg, Sweden; Lennart Råstam, Lund Univ, Dept of Clinical Sciences, Malmö, Sweden; Ulf Lindblad, Univ of Gothenburg, Inst of Med at Sahlgrenska Acad, Dept of Primary Health Care, Göteborg, Sweden

P058 Men With Impaired Glucose Tolerance Have Lower Self-Rated Health Than Men With Impaired Fasting Glucose, an Association Mediated by Physical Activity

Sven G. Diurlin, Maria C. Eriksson, Bledar Daka, Ulf Lindblad, Dep. of Primary Health Care, Inst of Med at Sahlgrenska Acad, Univ of Gothenburg, Gothenburg, Sweden; Charlotte A. Larsson, Dep. of Primary Health Care, Inst of Med at Sahlgrenska Acad, Univ of Gothenburg, Dep. of Clinical Sciences, Malmö, Lund Univ, Gothenburg, Lund, Sweden; Margareta I. Hellgren, Dep. of Primary Health Care, Inst of Med at Sahlgrenska Acad, Univ of Gothenburg, Gothenburg, Sweden

Environmental Agents and Smoking

P059 Telemedicine Data Indicate Short-Term Associations between Clinical Cardiovascular Events and Ambient Particulate Air Pollution

Ronit Nirel, Hebrew Univ of Jerusalem, Jerusalem, Israel; Sara D. Adar, Univ of Michigan, Ann Arbor, MI; Uri Dayan, Bella Vakulenko-Lagun, Hebrew Univ of Jerusalem, Jerusalem, Israel; Michal Golovner, SHL Telemedicine, Tel Aviv, Israel; Ilan Levy, Technion, Haifa, Israel; Zvi Alon, Hebrew Univ of Jerusalem, Jerusalem, Israel; Arie Roth, Tel Aviv Sourasky Medical Ctr, Univ of Tel Aviv, Tel Aviv, Israel; Alon Peretz, Rabin Medical Ctr, Petah Tiqua, Israel

P060 Reduction of Cardiovascular Mortality in the United States Population, 1988-2004: A Larger Contribution of Declining Exposures to Cadmium and Lead Compared to Traditional Cardiovascular Risk Factors

Adrian Ruiz-Hernandez, Inst for Biomedical Res INCLIVA, Univ of Valencia Medical Insts, Valencia, Spain; Ana Navas-Acien, Johns Hopkins Univ, Baltimore, MD; Roberto Pastor-Barriuso, Ctr Nacional de Epidemiologia, Spanish Natl Insts for Health Carlos the Third, Madrid, Spain; Josep Redon, Inst for Biomedical Res INCLIVA, Univ of Valencia Medical Insts, Valencia, Spain; Eliseo Guallar, Johns Hopkins Univ, Baltimore, MD; **Maria Tellez-Plaza**, Inst for Biomedical Res INCLIVA, Univ of Valencia Medical Insts, Valencia, Spain

P061 Perfluoroalkyl Acids and Stroke Risk in Persons with and without Diabetes: a Salutatory Effect of High Oxygen Carrying Capacity Environmental Contaminants

Baqiyyah Conway, West Virginia Univ, Morgantown, WV; Tina Costacou, Univ of Pittsburgh, Pittsburgh, PA

P062 Individual Level Fine Particulate Air Pollution is Associated with Acute Impairment of Cardiac Autonomic Modulation in Adolescents

Fan He, Jeff D. Yanosky, Edward O. Bixler, Julio Fernandez-Mendoza, Alexandros N. Vgontzas, Vernon M. Chinchilli, Duanping Liao, The Pennsylvania State Univ Coll of Medicine, Hershey, PA

P063 Cigarette Smoking and Neuroimaging Indices of Cerebrovascular Health in a Population-Based Cohort of Middle-Aged Adults

Martine Elbejjani, Natl Inst on Aging, Bethesda, MD; David R. Jacobs Jr, Univ of Minnesota, Minneapolis, MN; Reto Auer, Univ of Lausanne, Lausanne, Switzerland; Nick R. Bryan, Univ of Pennsylvania Health System, Philadelphia, PA; Lenore J. Launer, Natl Inst on Aging, Bethesda, MD

P064 Inverse Associations between Inorganic Arsenic and Obesity: Findings from the National Health and Nutrition Examination Survey

Catherine Bulka, Sithembile Mabila, Mary Turyk, Maria Argos, Univ of Illinois at Chicago, Chicago, IL

P065 Exposure to Traffic and Fine Particulate Matter and Aortic Calcium in the Framingham Offspring and Third Generation Cohorts

Kirsten S. Dorans, Elissa H. Wilker, Wenyan Li, Harvard T.H. Chan Sch of Public Health, Boston, MA; Mary B. Rice, Beth Israel Deaconess Medical Ctr, Harvard Medical Sch, Boston, MA; Petter L. Ljungman, Inst of Environmental Med, Karolinska Inst, Stockholm, Sweden; Joel Schwartz, Brent A. Coull, Harvard T.H. Chan Sch of Public Health, Boston, MA; Julie E. Buring, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA; Itai Kloog, Ben-Gurion Univ of the Negev, Beer Sheva, Israel; Petros Koutrakis, Harvard T.H. Chan Sch of Public Health, Boston, MA; Ralph B.

Poster Presentations (continued)

D'Agostino Sr, Joseph M. Massaro, Boston Univ, Boston, MA; Udo Hoffmann, Massachusetts General Hosp, Boston, MA; Christopher J. O'Donnell, Boston Veteran's Admin Health System, Boston, MA; Murray A. Mittleman, Harvard T.H. Chan Sch of Public Health, Boston, MA

P066 Tobacco Smoking After Diagnosis of Diabetes and the Risk of Diabetic Nephropathy
Hyungseon Yeom, Dept of Preventive Med, Coll of Med, Yonsei Univ, Seoul, Korea, Republic of; Jung Hyun Lee, Dept of Preventive Med, Graduate Sch of Public Health, Yonsei Univ, Seoul, Korea, Republic of; Hyeon Chang Kim, Il Suh, Dept of Preventive Med, Coll of Med, Yonsei Univ, Seoul, Korea, Republic of

P068 Use of Plastic Food Wrappers High in Phthalates is Associated with Metabolic Syndrome Among Mexican Women
Jordan Rodriguez, Insto Nacional de Salud Publica, Cuernavaca, Morelos, Mexico; Humberto Gomez, Univ Nacional Autonoma de Mexico, Mexico City, Mexico; Eduardo Ortiz-Panoso, Elsa Yunes, Martin Lajous, Ruy Lopez-Ridaura, Insto Nacional de Salud Publica, Cuernavaca, Morelos, Mexico

Health Services Research/Outcomes/ Practice Improvement

P069 Modifiable Risk Factors As Drivers of Pharmaceutical Expenditures Among U.S. Adults with Atherosclerotic Heart Disease: 2012 Medical Expenditure Panel Survey
Joseph A. Salami, Javier Valero-Elizondo, Oluseye Ogunmoroti, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL; Erica S. Spatz, Ctr for Outcomes Res and Evaluation, Yale New Haven Hosp, Section of Cardiovascular Med, Yale Univ, New Haven, CT; Jamal S. Rana, Div of Cardiology, Kaiser Permanente Northern California, Oakland, San Fransisco, CA; Salim S. Virani, Section of Cardiology, Baylor Coll of Med, Houston, TX; Ron Blankstein, Cardiovascular Div, Brigham and Women's Hosp, Boston, MA; Michael J Blaha, The Johns Hopkins Ciccarone Ctr for Prevention of Cardiovascular Disease, Baltimore, MD; Adnan Younus, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL; Alejandro Arrieta, Dept of Health Policy and Management, Robert Stempel Coll of Public Health, Florida Intl Univ, Miami, FL; Emir Veledar, Khuram Nasir, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL

P070 Long-Term Cumulative Blood Pressure Improves CVD Risk Prediction Algorithms
Norrina B. Allen, Hongyan Ning, Donald Lloyd-Jones, Northwestern Univ, Chicago, IL

P071 Creating Claims-based Risk Scores For Incident Coronary Heart Disease
Matt Mefford, Lei Huang, Monika Safford, Paul Muntner, Emily Levitan, Univ of Alabama at Birmingham, Birmingham, AL

P072 Early Response Predicts One-Year Weight-Reduction Goal Achievement with MOVE!®
Jane Garvin, Georgia Regents Univ, Augusta, GA; Karen Cota, Charlie Norwood VAMC, Augusta, GA

P073 Primary Healthcare Providers' Attitudes and Counseling Behaviors Related to Dietary Sodium Reduction, DocStyles 2015
Zerleen S. Quader, Mary E. Cogswell, Sallyann C. King, Robert K. Merritt, Jing Fang, Ctrs for Disease Control and Prevention, Atlanta, GA

P074 Time to First Treatment Modification among New Statin Users
James P. Burke, Optum, Eden Prairie, MN; Carly J. Paoli, Amgen, Thousand Oaks, CA; Jeffrey McPheeters, Optum, Eden Prairie, MN; Shravanthi R. Gandra, Amgen, Thousand Oaks, CA; Ross J. Simpson Jr, Univ of North Carolina, Chapel Hill, NC

P075 Oncologists' Perceptions of the Usability of SPHERE: an Electronic Health Record Application Based on Life's Simple 7™
Randi E. Foraker, Marjorie M. Kelley, Wilkister Tangasi, En-Ju Lin, The Ohio State Univ, Columbus, OH; Kathryn E. Weaver, Wake Forest Univ, Winston-Salem, NC

P076 Increased Incidence of Cardiovascular Disease Events Among Diabetes Patients with Complications
Ruben G.W. Quek, Amgen Inc., Thousand Oaks, CA; Kathleen M. Fox, Strategic Healthcare Solutions, LLC, Monkton, MD; Li Wang, Lu Li, STATinMED Res, Plano, TX; Shravanthi R. Gandra, Amgen Inc., Thousand Oaks, CA; Nathan D. Wong, Univ of California Irvine, Irvine, CA

P077 Missed Opportunities for Behavioral Counseling by Primary Care Providers
John D. Omura, Susan A. Carlson, Prabasaj Paul, Kathleen B. Watson, Fleetwood Loustalot, Janet E. Fulton, Ctrs for Disease Control and Prevention, Atlanta, GA

P078 Re-evaluation of Prognostic Values of Clockwise and Counterclockwise Rotation for Total and Cardiovascular Mortality in a Different Cohort (20 Year Follow-up of NIPPON DATA90)
Yasuyuki Nakamura, Ryukoku Univ, Otsu, Japan; Tomonori Okamura, Keio Univ, Tokyo, Japan; Akira Fujiyoshi, Aya Kadota, Takashi Hisamatsu, Katsuyuki Miura, Shiga Univ of Medical Science, Otsu, Japan; Akira Okayama, Res Ctr for Lifestyle-related Diseases, Tokyo, Japan; Hirotugu Ueshima, Shiga Univ of Medical Science, Otsu, Japan

Poster Presentations (continued)

HIV

- P079 Body Fat Changes Mediate the Effects of Antiretroviral Therapy on Blood Pressure and Blood Glucose Levels in People Living with HIV in a Sub-Saharan African Setting: A Mediation Analysis**
Chidozie U. Nduka, Olalekan A. Uthman, Peter K. Kimani, Div of Health Sciences, Warwick Medical Sch, Univ of Warwick, Coventry, United Kingdom; Abraham O. Malu, Dept of Internal Med, Benue State Univ Teaching Hosp, Makurdi, Nigeria; Saverio Stranges, Dept of Population Health, Luxembourg Inst of Health., Strassen, Luxembourg

Other

- P080 Associations of Bowel Movement Frequency with Risk of Coronary Heart Disease and Mortality Among U.S. Women**
Wenjie Ma, Eric B. Rimm, Harvard T.H. Chan Sch of Public Health, Boston, MA; Kathryn M Rexrode, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; Lu Qi, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA
- P081 Late-Onset Asthma Predicts Cardiovascular Disease Events: The Wisconsin Sleep Cohort**
Matthew C. Tattersall, Jodi H. Barnet, Claudia E. Korcarz, Erika W. Hagen, Paul E. Peppard, James H. Stein, Univ of Wisconsin-Madison Sch of Med and Public Health, Madison, WI
- P082 Arterial Stiffness and Pressure Amplification Are Associated with Lower Cognition among Older Caucasian Adults: The Atherosclerosis Risk in Communities (ARIC) Study**
Jingkai Wei, Priya Palta, Michelle Meyer, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Hirofumi Tanaka, Univ of Texas at Austin, Austin, TX; Jennifer Deal, Johns Hopkins Univ, Baltimore, MD; Clifford Jack, David Knopman, Mayo Clinic, Rochester, MN; Jacqueline Wright, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Michael Griswold, Univ of Mississippi Medical Ctr, Jackson, MS; Thomas H Mosley, Univ of Mississippi Sch of Med, Jackson, MS; Gerardo Heiss, Univ of North Carolina at Chapel Hill, Chapel Hill, NC
- P083 Modest Association Between the Number of Fast Food Restaurants in a Neighborhood with Cardiovascular Disease Incidence**
Ilonca Vaartjes, Univ Medical Ctr Utrecht, Utrecht, Netherlands

Ethnic Health Disparities

- P084 Cardiovascular Disease Burden in African Americans: The Jackson Heart Study**
Yuan-I Min, Pramod Anugu, Kenneth Butler, Adolfo Correa, Univ of Mississippi Medical Ctr, Jackson, MS; Tara Hartley, Natl Inst for Occupational Safety and Health, CDC, Morgantown, WV; Stanford Mwasongwe, Jackson State Univ, Jackson, MS; Arnita Norwood, Mario

Sims, Valerie Wallace, Wei Wang, Karen Winters, Univ of Mississippi Medical Ctr, Jackson, MS

- P085 Use of Mobile Health (mHealth) Technology to Identify Targets for Improving Cardiovascular (CV) Health for Women in a Resource-limited Community: Observations from the Washington, D.C. CV Health and Needs Assessment**
Samantha Thomas, Leah Yingling, NIH, Bethesda, MD; Colby Ayers, Univ of Texas of Southwestern, Dallas, TX; Gwenyth Wallen, Marlene Peters-Lawrence, Alyssa Todaro-Brooks, Valerie Mitchell, Joel Adu-Brimpong, NIH, Bethesda, MD; JaWanna Henry, Univ of Maryland Baltimore County, Baltimore, MD; Johnetta Saygbe, Dana Sampson, Ken Wiley, Jr., NIH, Bethesda, MD; Avis Graham, Lennox Graham, Allan Johnson, Howard Univ, Washington, DC; Tiffany Powell-Wiley, NIH, Bethesda, MD
- P086 Circulating MicroRNAs are Associated with Abdominal Adiposity and Fatty Liver in Asian Indians**
Kevin Miles, Alka M. Kanaya, **Elena Flowers**, Univ of California, San Francisco, San Francisco, CA
- P087 Ethnic and Educational Disparities in Morbid Obesity among Employees of a Large Healthcare Organization: The Baptist Health South Florida Employee Study**
Chukwuemeka U. Osondu, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL; Ehimen C. Aneni, Mount Sinai Medical Ctr, Miami Beach, FL; Adnan Younus, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL; Maribeth Rouseff, Sankalp Das, Baptist Health South Florida, Miami, FL; Don Parris, Ctr for Res and Grants, Baptist Health South Florida, Miami, FL; Henry Guzman, Baptist Health South Florida, Miami, FL; Thinh Tran, Ctr for Performance Excellence, Baptist Health South Florida, Miami, FL; Rehan Malik, Muhammad A. Aziz, Oluseye Ogunmoroti, Theodore Feldman, Arthur S. Agatston, Emir Veledar, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL; Salim Virani, Section of Cardiology, Baylor Coll of Med, Houston, TX; Khurram Nasir, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL
- P088 Race is Associated with Endothelial Responses to Acute Mental Stress**
Kobina A. Wilmot, Ayman Alkhoder, Nino Isakadze, Malik Obideen, Amit J. Shah, Pratik Pimple, Ibhaz Al Mheid, Michael Kutner, Qi Long, Tene Lewis, Paolo Raggi, J. Douglas Bremner, Arshed A. Quyyumi, I. Viola Vaccarino, Emory Univ, Atlanta, GA

Poster Presentations (continued)

P089 Pre-eclampsia and Risk of Subsequent Hypertension: In an American Indian Population
Lyle G. Best, Turtle Mountain Community Coll, Belcourt, ND; Laramie Lunday, Elisha Webster, James R. Beal, Univ of North Dakota, Grand Forks, ND

P090 Younger Age of Immigration Mitigates Allostatic Load in Africans: The Africans in America Study
Anne E. Sumner, Brianna A. Bingham, Michelle T. Duong, Paola C. Aldana, Madia Ricks, Lilian S. Mabundo, Natl Insts of Health, NIDDK, Bethesda, MD; Margaret Udahogora, Univ of Maryland, College Park, MD; David Berrigan, Natl Insts of Health, NCI, Bethesda, MD; Stephanie T. Chung, Natl Insts of Health, NIDDK, Bethesda, MD

P091 Ethnic Disparities In Social And Psychosocial Factors Modify The Effect Of Genes On Body Mass Index
Erin B. Ware, Jennifer A. Smith, Jessica Faul, Sharon L. Kardia, Univ of Michigan, Ann Arbor, MI

P259 Genetic Risk Score, Lifestyle Cardiovascular Risk Score, and Myocardial Infarction in Hispanics
Mercedes Sotos-Prieto, Harvard T.H. Chan Sch of Public Health, Boston, MA; Ana Baylin, Univ of Michigan Sch of Public Health, Ann Arbor, MI; Hannia Campos, Harvard T.H. Chan Sch of Public Health, Boston, MA; Lu Qi, Tulane Univ Sch of Public Health and Tropical Med, Harvard T.H. Chan Sch of Public Health, New Orleans, LA; Josiemer Mattei, Harvard T.H. Chan Sch of Public Health, Boston, MA

Heart Failure

P092 Association of Social Isolation with Functional Status and Mental Health in Patients with Heart Failure
Alanna M. Chamberlain, Lila J. Finney Rutten, Sheila M. Manemann, Dept of Health Sciences Res, Rochester, MN; Cynthia M. Boyd, Johns Hopkins Univ, Sch of Med, Baltimore, MD; Susan A. Weston, Ruoxiang Jiang, Veronique L. Roger, Dept of Health Sciences Res, Rochester, MN

P093 Influence of Comorbidities on Outcomes in Atrial Fibrillation: A Population-Based Case-Control Study
Alanna Chamberlain, Mayo Clinic, Rochester, MN; Alvaro Alonso, Univ of Minnesota, Sch of Public Health, Minneapolis, MN; Bernard Gersh, Sheila Manemann, Jill Killian, Susan Weston, Veronique Roger, Mayo Clinic, Rochester, MN

P094 Accuracy of Self-Reported Heart Failure Following a Hospitalized Heart Failure Event: The Atherosclerosis Risk in Communities (ARIC) Study
Ricky Camplain, Anna Kucharska-Newton, Lisa M. Wruck, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Aaron R. Folsom, Univ of Minnesota, Minneapolis, MN; Jacqueline Wright,

Natl Heart, Lung, and Blood Inst, Natl Insts of Health, Bethesda, MD; Amil Shah, Brigham and Women's Hosp, Boston, MA; Alain Bertoni, Wake Forrest Univ, Winston-Salem, NC; Gerardo Heiss, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

P095 Prospective association of Physical Activity and Heart Failure Hospitalizations Among African-American Adults with Normal Ejection Fraction: The Jackson Heart Study
Patrick Koo, Alpert Medical Sch of Brown Univ, Providence, RI; Annie Gjelsvik, Brown Univ Sch of Public Health, Providence, RI; Gaurav Choudhary, Wen-Chih Wu, Alpert Medical Sch of Brown Univ, Providence, RI; Wei Wang, Univ of Mississippi Medical Ctr, Jackson, MS; F. Dennis McCool, Charles B. Eaton, Alpert Medical Sch of Brown Univ, Providence, RI

P096 Trends in Heart Disease Mortality Among Mississippi Adults Over a Three Decade Period, 1980 through 2013
Vincent L. Mendy, Rodolfo Vargas, Lamees El-sadek, Mississippi State Dept of Health, Jackson, MS; Abigail Gamble, Kent State Univ, Kent, OH

P097 Shortness of Breath, Edema and Fatigue and the Risk of Hospitalized Heart Failure (HF). The Atherosclerosis Risk in Communities (ARIC) Study
Anna Kucharska-Newton, Univ of North Carolina, Chapel Hill, NC; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Anthony Viera, Thomas Keyserling, Univ of North Carolina, Chapel Hill, NC; Amil Shah, Brigham and Women's Hosp, Boston, MA; Christie Ballantyne, Baylor Coll of Med, Houston, TX; Sunil Agarwal, Mt Sinai Sch of Med, New York, NY; Ricky Camplain, Univ of North Carolina, Chapel Hill, NC; John McEvoy, Johns Hopkins Univ, Baltimore, MD; Gerardo Heiss, Univ of North Carolina, Chapel Hill, NC

P098 Is There a Mismatch Between Length of Hospital Stay and Prognosis in Medicare Beneficiaries Hospitalized for Heart Failure?
Matthew S. Loop, Univ of Alabama at Birmingham, Birmingham, AL; Melissa K. Van Dyke, Amgen Inc., Thousand Oaks, CA; Ligong Chen, Todd M. Brown, Raegan W. Durant, Monika M. Safford, Emily B. Levitan, Univ of Alabama at Birmingham, Birmingham, AL

P099 Association Between Arsenic and Heart Failure
Kalaivani Sivakumar, Demilade Adedinsowo, Anekwe Onwuanyi, Morehouse Sch of Med, Duluth, GA

Lipids and Lipoproteins

P100 Identification of Patients with Familial Hypercholesterolemia (FH) using the Dutch Lipid Network (DLN) Criteria in Electronic Health Records (EHR)
Sarah S. Cohen, EpidStat Inst, Ann Arbor, MI; Jana Shirey-Rice, Vanderbilt Univ, Nashville, TN; Jill

Poster Presentations (continued)

- Hardin, Keri Monda, Amgen Inc, Thousand Oaks, CA; Jon P. Fryzek, EpidStat Inst, Ann Arbor, MI; Sergio Fazio, Oregon Health and Science Univ, Portland, OR; Joshua C. Denny, Wei-Qi Wei, Loren Lipworth, Vanderbilt Univ, Nashville, TN
- P101 Menopause and Its Related Endogenous Sex Hormone alterations are Associated with Changes in Function and Subclasses of High-Density Lipoprotein in Women at Midlife**
Samar R. El Khoudary, Univ of Pittsburgh, Pittsburgh, PA; Patrick Hutchins, Univ of Washington, Seattle, WA; Karen A. Matthews, Maria M. Brooks, Trevor J. Orchard, Univ of Pittsburgh, Pittsburgh, PA; Jay W. Heinecke, Univ of Washington, Seattle, WA
- P102 Longitudinal and Secular Decrease in Total Cholesterol Levels in all Birth Cohorts. The Tromsø Study 1979-2008**
 Laila A. Hopstock, UiT The Arctic Univ of Norway, Tromsø, Norway; Kaare H. Børnaa, Norwegian Univ of Science and Technology, Trondheim, Norway; Anne E. Eggen, Sameline Grimsgaard, Bjarne K. Jacobsen, Maja-Lisa Løchen, Ellisiv B. Mathiesen, Inger Njølstad, **Tom Wilsgaard**, UiT The Arctic Univ of Norway, Tromsø, Norway
- P103 Effect of Agents Specific to Triglyceride Lowering, Statins Alone, or a Combination of Both Among Patients with Diabetes and Very High Triglycerides**
Gregory A. Nichols, Kaiser Permanente, Portland, OR; Kristi Reynolds, Kaiser Permanente, Pasadena, CA; Teresa M. Kimes, Kaiser Permanente, Portland, OR; Tope Olufade, Deborah Anzalone, AstraZeneca, Wilmington, DE; Stephen P. Fortmann, Kaiser Permanente, Portland, OR
- P104 Serum Homocysteine is Not Independently Associated with an Atherogenic Lipid Profile: The Very Large Database of Lipids (VLDL-21) Study**
Joshua Lupton, Renato Quispe, Krishnaji Kulkarni, Seth S. Martin, Steven R. Jones, Johns Hopkins Univ, Baltimore, MD
- P105 Early Adolescent Waist Size and Body Mass Index are Stronger Predictors of Lipid Levels after Ten Years than Percent Body Fat in Black and White Girls**
Sanae E. Ferreira, Martha R. Singer, M. Loring Bradlee, Boston Univ Sch of Med, Boston, MA; Stephen R. Daniels, Univ of Colorado Sch of Med, Denver, CO; Lynn L. Moore, Boston Univ Sch of Med, Boston, MA
- P106 Dense Low-density and Remnant Lipoprotein Cholesterol are Associated with Adiposity: The Elsa-brasil Study**
 Claudia Suemoto, Isabela M Bensenor, Raul Santos, Marcio S. Bittencourt, Univ of Sao Paulo, Sao Paulo, Brazil; Seth Martin, Johns Hopkins Univ, Baltimore, MD; Peter Toth, Univ of Illinois, Chicago, IL; Steven Jones, Michael Blaha, Johns Hopkins Univ, Baltimore, MD; **Paulo A. Lotufo**, Univ of Sao Paulo, Sao Paulo, Brazil
- P107 Small Dense Low Density Lipoprotein Subfractions are Independently Associated with Subclinical Atherosclerosis: The ELSA-Brasil Study**
Marcio S. Bittencourt, Raul D. Santos, Henrique Staniak, Univ Hosp - Univ of Sao Paulo, Sao Paulo, Brazil; Steven Jones, Seth S. Martin, Peter Toth, Michael J. Blaha, John's Hopkins Univ, Baltimore, MD; Isabela Bensenor, Paulo A. Lotufo, Univ Hosp - Univ of Sao Paulo, Sao Paulo, Brazil
- P108 Cardiac Interventions Differing in Lifestyle Modification Intensity Improve Insulin Resistance through Changes in Lipoprotein Profiles**
Darrell L. Ellsworth, Nicholas S. Costantino, Heather L. Blackburn, Windber Res Inst, Windber, PA; Renata J.M. Engler, Marina N. Vernalis, Walter Reed Natl Military Medical Ctr, Bethesda, MD
- P109 Lipid Accumulation Product (LAP) is Associated with Hepatic Steatosis among Individuals without Metabolic Syndrome**
Ebenezer T. Oni, The Brooklyn Hosp Ctr Affiliate Mount Sinai Ichan Sch of Med, Brooklyn, NY; Oluseye Ogunmoroti, Baptist Health South Florida, Miami, FL; Michael Blaha, Johns Hopkins Ciccarone Ctr for the Prevention of Heart Disease, Baltimore, MD; Arthur S. Agatston, Baptist Health South Florida, Baltimore, MD; Roger S. Blumenthal, Johns Hopkins Ciccarone Ctr for the Prevention of Heart Disease, Baltimore, MD; Jose Carvalho, Preventive Med Ctr, Hosp Israelita Albert Einstein, Sao Paulo-Brazil, Brazil; Raquel Conceição, Preventive Med Ctr, Hosp Israelita Albert Einstein, Baltimore, Brazil; Raul D. Santos, Lipid Clinic Heart Inst (InCor) Univ of Sao Paulo Medical Sch Hosp, Sao Paulo-Brazil, Brazil; Khurram Nasir, Baptist Health South Florida, Miami, FL
- Peripheral Artery Disease and Venous Thrombosis**
- P110 Serum Uric Acid, Gout and Venous Thromboembolism: the Atherosclerosis Risk in Communities Study**
Yasuhiko Kubota, Univ of Minnesota, Minneapolis, MN; Mara McAdams DeMarco, Johns Hopkins Univ, Baltimore, MD; Aaron R. Folsom, Univ of Minnesota, Minneapolis, MN
- P111 Changes in Burden of Peripheral Artery Disease Following a Hypothetical Change in the Population Distribution of Adiposity: the Atherosclerosis Risk in Communities (ARIC) Study**
Kapuaola S. Gellert, Alexander P. Keil, Donglin Zeng, Ronald E. Aubert, Christy L. Avery, Univ of North Carolina Chapel Hill, Chapel Hill, NC; Elizabeth Selvin, Johns Hopkins Univ, Baltimore,

Poster Presentations (continued)

MD; B. Gwen Windham, Univ of Mississippi, Jackson, MS; Gerardo Heiss, Univ of North Carolina Chapel Hill, Chapel Hill, NC

P113 Female Gender is Associated with a Low Ankle Brachial Index in the General Population

Ridhima Kapoor, Medical Coll of Wisconsin, Milwaukee, WI; Colby Ayers, UT Southwestern Medical Ctr, Dallas, WI; Jacquelyn Kulinski, Medical Coll of Wisconsin, Milwaukee, WI

P114 Metabolic Syndrome is Associated with Abnormal Ankle Brachial Index: Estimates from the National Health and Nutrition Examination Survey (1999-2004)

Sarah Singh, Courtney Pilkerton, Stephanie Frisbee, West Virginia Univ, Morgantown, WV

Physical Activity and Fitness

P115 Cardiorespiratory Fitness Level is Associated with Metabolic Risk in an Asymptomatic Population

Ebenezer T. Oni, The Brooklyn Hosp Ctr Affiliate Mount Sinai Ichan Sch of Med, Brooklyn, NY; Michael J Blaha, Seth S. Martin, Johns Hopkins Ciccarone Ctr for the Prevention of Heart Disease, Baltimore, MD; Arthur S. Agatston, Baptist Health South Florida, Miami, FL; Roger S. Blumenthal, Johns Hopkins Ciccarone Ctr for the Prevention of Heart Disease, Baltimore, MD; Jose A. Carvalho, Raquel D. Conceição, Romeu S. Meneghelo, Preventive Med Ctr, Hosp Israelita Albert Einstein, Sao Paulo, Brazil; Raul D. Santos, Lipid Clinic Heart Inst (InCor) Univ of Sao Paulo Medical Sch Hosp, Sao Paulo-Brazil, Brazil; Khurram Nasir, Baptist Health South Florida, Miami, FL

P116 Physical Fitness In Early Adulthood: A Modifiable Risk Factor for Neurological and Psychiatric Diseases

Jenny Nyberg, David Åberg, Waern Margda, Anders Wallin, Kjell Torén, Michael Nilsson, Maria A. Åberg, **Georg Kuhn**, Univ of Gothenburg, Gothenburg, Sweden

P117 Physical Activity Decreases Cardiovascular Events via an Inflammatory Pathway: The Strong Heart Study

Parmanand Singh, Zaid Almarzooq, Mary Roman, Richard Devereux, Weill Cornell Medical Coll, New York, NY

P118 Gender Differences in Physical Activity Levels on Cardiovascular Events in Diabetes: The Strong Heart Study

Parmanand Singh, Massachusetts General Hosp, Boston, MA; Zaid Almarzooq, Mary Roman, Richard Devereux, Weill Cornell Medical Coll, New York, NY

P119 Isotemporal Substitution Modeling of Daily Physical Activity Intensity and Cardiometabolic Diseases among South Asians: The Centre for Cardiometabolic Risk Reduction in South-Asia (CARRS) Study

Jingkai Wei, Emory Univ, Atlanta, GA; Ranjit Mohan Anjana, Madras Diabetes Res Fndn, Chennai, India; Alysse Kowalski, Emory Univ, Atlanta, GA; Shifalika Goenka, Public Health Fndn of India, New Delhi, GA; Roopa Shivashankar, Ctr for Chronic Disease Control, New Delhi, India; Masood Kadir, Aga Khan Univ, Karachi, Pakistan; Dorairaj Prabhakaran, Public Health Fndn of India, Ctr for Chronic Disease Control, New Delhi, India; Nikhil Tandon, All India Inst of Medical Sciences, New Delhi, India; Felipe Lobelo, KM Venkat Narayan, Mohammed K Ali, Emory Univ, Atlanta, GA

P120 Acute Dietary Nitrate Supplementation Does Not Attenuate Oxidative Stress or the Hemodynamic Response During Submaximal Exercise In Hypobaric Hypoxia

Colin R. Carriker, Indiana State Univ, Terre Haute, IN; Roger A. Vaughan, High Point Univ, High Point, NC; Christine M Mermier, Trisha A. McLain, Kelly E. Johnson, Nicholas M Beltz, James J. McCormick, Nathan H. Cole, Christopher C. Witt, Ann L. Gibson, Univ of New Mexico, Albuquerque, NM

P121 Consumer-Based Physical Activity Monitors and Research-Grade Accelerometers Underestimate Physical Activity in a Semi-Structured Setting

Alexander H.K. Montoye, Mary S. Tuttle, M. Benjamin Nelson, Ball State Univ, Muncie, IN; Jeremy A. Steeves, Maryville Coll, Maryville, TN; Leonard A. Kaminsky, Ball State Univ, Muncie, IN

P122 The Predictive Ability and Validity of a Composite Physical Activity Score in Relation to Adiposity Measures: Coronary Artery Risk Development in Young Adults (CARDIA)

Kelley Pettee Gabriel, Adriana Perez, Joowon Lee, Harold W. Kohl III, Univ of Texas Health Science Ctr at Houston; Sch of Public Health, Austin, TX; David R. Jacobs Jr., Univ of Minnesota, Minneapolis, MN; Barbara Sternfeld, Kaiser Permanente Northern California, Oakland, CA

P123 The Physical Activity Built Environment: Evaluation of the Concordance of Perceived Versus Measured Access to Parks and Bike Paths

Claire E. Bollinger, Darryl B. Hood, Julie K. Bower, The Ohio State Univ, Columbus, OH

Poster Presentations (continued)

- P124 Leisure Time Physical Activity and Cardio-metabolic Health: Results from the Brazilian Longitudinal Study of Adult Health (ELSA-Brasil)**
Xiaochen Lin, Brown Univ, Providence, RI; Sheila Alvim, Federal Univ of Bahia, Salvador, Brazil; Isabela M. Bensenor, Univ de São Paulo, São Paulo, Brazil; Eduardo J. Simoes, Univ of Missouri, Columbia, MO; Paulo A. Lotufo, Univ de São Paulo, São Paulo, Brazil; Simin Liu, Brown Univ, Providence, RI
- P125 Aerobic Exercise Training Reduces Postprandial Thermogenesis in Older Women**
Xuewen Wang, Kimberly Bowyer, Ryan Porter, Charity Breneman, Sabra Custer, Univ of South Carolina, Columbia, SC
- P126 Physical Activity, Family History of Premature Coronary Heart Disease, and Incident Atherosclerotic Cardiovascular Disease in the Atherosclerosis Risk in Communities (ARIC) Study**
Roberta Florido, Johns Hopkins Sch of Med, Baltimore, MD; Di Zhao, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Chiadi E. Ndumele, Johns Hopkins Sch of Med, Baltimore, MD; Pamela L. Lutsey, Univ of Minnesota, Minneapolis, MN; John W. McEvoy, Johns Hopkins Sch of Med, Baltimore, MD; Beverly G. Windham, Univ of Mississippi, Jackson, MS; James S. Pankow, Univ of Minnesota, Minneapolis, MN; Eliseo Guallar, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Erin D. Michos, Johns Hopkins Sch of Med, Baltimore, MD
- P127 Gender and Fitness Status Influence Age-Related Decline in Peak Heart Rate Achievement: Insight from the FIT Cohort**
 Haitham Ahmed, Johns Hopkins Univ Sch of Med, Baltimore, MD; Di Zhao, Eliseo Guallar, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Michael J. Blaha, Johns Hopkins Univ Sch of Med, Baltimore, MD; Clinton A. Brawner, Steven J. Keteyian, Henry Ford Medical Group, Detroit, MI; Mouaz H. Al-Mallah, **Erin D. Michos**, Johns Hopkins Univ Sch of Med, Baltimore, MD
- P128 Accelerometer-Determined Moderate to Vigorous Physical Activity and the Cardiovascular Response to Stress in Children**
Nicole L. Spartano, Boston Univ, Boston, MA; Kevin S. Heffernan, Amy K. Dumas, Brooks B. Gump, Syracuse Univ, Syracuse, NY
- P129 Impact of Regular Physical Activity on Prognosis after Myocardial Infarction: the OACIS Study**
 Masaya Usami, Daihatsu HealthCare Ctr, Ikeda, Japan; Yasuhiko Sakata, Dept of Cardiovascular Med, Tohoku Univ Graduate Sch of Med, Sendai, Japan; Daisaku Nakatani, Hiroya Mizuno, Shinichiro Suna, Dept of Cardiovascular Med, Osaka Univ Graduate Sch of Med, Suita, Japan; Sen Matsumoto, Cardiology, Hoshigaoka Medical Ctr, Japan Community Health care Organization, Hirakata, Japan; Masahiko Shimizu, Daihatsu HealthCare Ctr, Ikeda, Japan; **Hiroshi Sato**, Kwansei Gakuin Univ, Nishinomiya, Japan
- P130 Patterns of Change in Step Count during the First 12 Months of a Weight Loss Intervention: A Group-based Trajectory Analysis**
Christopher C. Imes, Univ of Pittsburgh, Pittsburgh, PA; Yaguang Zheng, Boston Coll, Boston, MA; Hu Lu, Dara D. Mendez, Rachel W. Goode, Meghan Mattos, Qianheng Ma, Ran Sun, Yang Yu, Cynthia A. Danford, Susan M. Sereika, Lora E. Burke, Univ of Pittsburgh, Pittsburgh, PA
- P131 Associations between Joint Symptoms and Prospective Changes in Physical Activity in First-Degree Relatives of Rheumatoid Arthritis (RA) Patients**
Jan M. Hughes-Austin, Joachim H. Ix, Samuel R. Ward, Univ of California, San Diego, La Jolla, CA; Michael H. Weisman, Cedars-Sinai Medical Ctr, Los Angeles, CA; James R. O'Dell, Ted R. Mikuls, Univ of Nebraska Medical Ctr, Omaha, NE; Jane H. Buckner, Benaroya Res Inst, Seattle, WA; Peter K. Gregersen, The Feinstein Inst for Medical Res, Manhasset, NY; Richard M Keating, Scripps Health, La Jolla, CA; M. Kristen Demoruelle, Kevin D. Deane, V. Michael Holers, Jill M. Norris, Univ of Colorado Anschutz Medical Campus, Aurora, CO
- P132 Cardiorespiratory Fitness Has Declined in Individuals Joining a Self-Referred Exercise Program Over the Past 45 Years**
 Matthew P. Harber, Alexander H. Montoye, Mitchell H Whaley, Leonard A. Kaminsky, Ball State Univ, Muncie, IN
- P133 Comparative Effectiveness of Aerobic, Resistance and Combined Training on Health-Related Quality of Life in Inactive, Overweight/Obese, and Pre-/Stage 1-Hypertensive Individuals: A Randomized Controlled Exercise Trial**
Duck-chul Lee, Iowa State Univ, Ames, IA; Elizabeth C. Schroeder, Univ of Illinois at Chicago, Chicago, IL
- P134 One Year Follow-Up of the mActive Randomized Clinical mHealth Trial of Physical Activity**
Bruno Urrea, David I. Feldman, Janelle W. Coughlin, Roger S. Blumenthal, Michael J. Blaha, Seth S. Martin, Johns Hopkins Univ, Baltimore, MD
- P135 Predictors of Physical Activity among African American Parents of Young Children: Personal and Environmental Factors**
Kashica J. Webber-Ritchey, DePaul Univ, Chicago, IL; Lois J. Loescher, Ruth Taylor-Piliae, Univ of Arizona, Tucson, AZ

Poster Presentations (continued)

P136 The Effect of Exercise Training on 10-Year Atherosclerotic Cardiovascular Disease Risk in Individuals with Type 2 Diabetes

Damon Swift, East Carolina Univ, Greenville, NC; Neil M. Johannsen, Louisiana State Univ, Baton Rouge, LA; Carl J. Lavie, John Ochsner Heart and Vascular Inst, New Orleans, LA; Conrad P. Earnest, Texas A&M Univ, College Station, TX; Steven N. Blair, Univ of South Carolina, Columbia, SC; Timothy S. Church, Pennington Biomedical Res Ctr, Baton Rouge, LA

P137 Examining The Effect of The Accumulation of Physical Activity on Blood Pressure in a Physical Activity Intervention for Community Dwelling Older Adults

Kelsie M. Full, Katie Crist, Suneeta Godbole, Jacqueline Kerr, Univ of California, San Diego, La Jolla, CA

P138 The Association of a Greater Step Count with Body Composition in Young Adults

Madison M. DeMello, Clemens Drenowatz, Univ of South Carolina, Columbia, SC; Gregory A. Hand, West Virginia Univ, Morgantown, WV; Steven N. Blair, Univ of South Carolina, Columbia, SC

P139 Association of Energy Flux with Change in Cardiovascular Risk Factors in Weight Stable Individuals

Baqiyyah Conway, Peter Giacobbi Jr., Clemens Drenowatz, West Virginia Univ, Morgantown, WV; Stephen Blair, Univ of South Carolina, Columbia, SC; Gregory Hand, West Virginia Univ, Morgantown, WV

P140 Association between Physical Activity and Oxidative Stress Biomarkers in Generally Healthy Women: The Nurses' Health Study

Tianying Wu, Shuman Yang, University of Cincinnati, Cincinnati, OH; Majken Jensen, Harvard Sch of Public Health, Boston, MA; Eric Rimm, Walter Willett, Harvard Sch of Public Health, Boston, OH

Nutrition 1

P141 Usual Impact of Vegetable and Red Meat Intake on Urinary Nitrate

Tianying Wu, Samantha Sonoda, University of Cincinnati, Cincinnati, OH; Nicholas Ollberding, Cincinnati Children's Hosp, Cincinnati, OH

P142 Daily Chocolate Consumption Is Inversely Associated with Insulin Resistance and Liver Enzymes in Adults: the Observation of Cardiovascular Risk Factors study

Ala'a Alkerwi, Nicolas Sauvageot, Luxembourg Inst of Health (LIH), Strassen, Luxembourg; Georgina E. Crichton, Nutritional Physiology Res Ctr, Univ of South Australia, Adelaide, Australia; Merrill F. Elias, Dept of Psychology, Univ of Maine,

Orono, ME; Saverio Stranges, Saverio Stranges, Luxembourg Inst of Health (LIH), Strassen, Luxembourg

P143 Potential Dietary Impact of Adding Potassium Chloride to Foods as a Sodium Reduction Technique

Leo van Buren, Mariska Dotsch-Klerk, Rachel S. Newson, Unilever R&D, Vlaardingen, Netherlands

P144 Red Meat Consumption and Risk of Nonfatal Acute Myocardial Infarction: Results from a Population-based Case-control Study in Costa Rica

Dongqing Wang, Univ of Michigan, Ann Arbor, MI; Hannia Campos, Harvard Sch of Public Health, Boston, MA; **Ana Baylin**, Univ of Michigan, Ann Arbor, MI

P145 The Effects of Phosphorus Additives on Albuminuria and Fibroblast Growth Factor-23

Alex Chang, Geisinger Health System, Danville, PA; Edgar Miller, Johns Hopkins Univ, Baltimore, MD; Cheryl Anderson, Univ of California, San Diego, San Diego, CA; Melissa Moser, Univ of Connecticut, Storrs, CT; Jeanne Charleston, Karen White, Bobbie Henry, Susan Oh, Lawrence Appel, Stephen Juraschek, Johns Hopkins Univ, Baltimore, MD

P146 Serum Magnesium and Mortality in the General U.S. Population: Results from the NHANES I Epidemiologic Follow-up Study

Xi Zhang, Jin Xia, Indiana Univ, Indianapolis, IN; Liana C. Del Gobbo, Stanford Univ, Stanford, CA; Adela Hruby, Harvard T.H. Chan Sch of Public Health, Boston, MA; Ka He, Indiana Univ, Bloomington, IN; Qi Dai, Vanderbilt Ingram Cancer Ctr; and Dept of Veterans Affairs, Tennessee Valley Healthcare System, Geriatric, Res, Education and Clinical Ctr, Nashville, TN; Yiqing Song, Indiana Univ, Indianapolis, IN

P147 Dietary Capsaicinoids May Enhance Exercise by Effective Utilization of Lipids when Combined with Treadmill Running in a Rat Model

Vijaya Juturu, OmniActive Health Technologies Inc, Morristown, NJ; Kazim Sahin, Cemal Orhan, Ragip Pala, Mehmet Tuzcu, Nurhan Sahin, Firat Univ, Elazig, Turkey

P148 Median American Intake of Fructose Does Not Increase Cardiovascular Disease Risk Factors

Joshua Lowndes, Stephanie Sinnett, James M. Rippe, Rippe Lifestyle Inst, Celebration, FL

P149 Utility of the Rate Your Plate Diet Survey in Patients Presenting for Coronary Angiography: Higher Diet Quality is Associated with Lower Measures of Body Adiposity

Lisa Ganguzza, MS RD CDN, Calvin Ngai, BA, Joseph Burdowski, MD, Laura Flink, MD MS, Peter Joe, BA, Vicky Chiang, BS, Victor Acosta,

Poster Presentations (continued)

- MS RD CDN, Shivani Mohan, Binita Shah, MD
MS, Kathleen Woolf, PhD RD FACSM, NYU
Langone Medical Ctr, New York, NY
- P150 Dietary Patterns and Fractures in Postmenopausal Women: Results from the Women's Health Initiative Observational Study**
Bernhard Haring, Univ of Wuerzburg, Wuerzburg, Germany
- P151 Vitamin K Intake and All-cause and Cause Specific Mortality**
Sabine R. Zwakenberg, Nicolette den Braver, Univ Medical Ctr Utrecht, Utrecht, Netherlands; Anouk I. Engelen, Edith J. Feskens, Wageningen Univ, Wageningen, Netherlands; Cees Vermeer, VitaK, Maastricht Univ, Maastricht, Netherlands; Jolanda M. Boer, W. M. Monique Verschuren, Natl Inst of Public Health and the Environment, Bilthoven, Netherlands; Yvonne T. van der Schouw, Univ Medical Ctr Utrecht, Utrecht, Netherlands; **Joline W. Beulens**, VU Univeristy Medical Ctr, Amsterdam, Netherlands
- P152 Parent-Child Associations for Changes in Diet and Physical Activity across Two Decades in Modernizing China**
Fei Dong, Annie-Green Howard, Amy Herring, Amanda Thompson, Barry Popkin, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Bing Zhang, Natl Inst for Nutrition and Health, Chinese Ctr for Disease Control and Prevention, Beijing, China; Penny Gordon-Larsen, Univ of North Carolina at Chapel Hill, Chapel Hill, NC
- P153 Association of Habitual Milk Intake with Cognitive Decline from Mid-life to Late-life: the Atherosclerosis Risk in Communities (ARIC) Neurocognitive Study (NCS)**
Natalia Petruski-Ivleva, Anna Kucharska-Newton, Priya Palta, David Couper, Univ of North Carolina, Chapel Hill, NC; Lyn Steffen, Univ of Minnesota, Minneapolis, MN; Richey A. Sharrett, John Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Gerardo Heiss, Univ of North Carolina, Chapel Hill, NC
- P154 Systematic Review of Dietary Salt Reduction Policies: Evidence for an Effectiveness Hierarchy?**
Lirije Hyseni, Alex Elliot-Green, Ffion Lloyd-Williams, Martin O'Flaherty, Chris Kyridemos, Rory McGill, Lois Orton, Helen Bromley, Univ of Liverpool, Liverpool, United Kingdom; Francesco Cappuccio, Univ of Warwick, Coventry, United Kingdom; Simon Capewell, Univ of Liverpool, Liverpool, United Kingdom
- P155 Dietary Pattern Improvements are Related to Less Weight Gain During the Transition from Adolescence Into Young Adulthood**
Tian Hu, Tulane Univ, New Orleans, LA; David R. Jacobs Jr, Nicole Larson, Univ of Minnesota, Minneapolis, MN; Gretchen J. Cutler, Children's Hosp and Clinics of Minnesota, Minneapolis, MN; Melissa N. Laska, Dianne Neumark-Sztainer, Univ of Minnesota, Minneapolis, MN
- P156 Dietary Patterns and Incident Hypertension in Mexican Women**
Adriana Monge, Ruy Lopez-Ridaura, Insto Nacional de Salud Publica, Cuernavaca, Morelos, Mexico; Jose Juan Gongora, Monterrey Inst of Technology and Higher Education, Monterrey, Nuevo Leon, Mexico; Martin Lajous, Insto Nacional de Salud Publica, Cuernavaca, Morelos, Mexico
- P157 Specific Dietary Fats in Relation to Total and Cause-Specific Mortality**
Dong D. Wang, Yanping Li, Stephanie E. Chiuve, Meir J. Stampfer, Harvard T.H. Chan Sch of Public Health, Boston, MA; JoAnn E. Manson, Harvard Medical Sch, Boston, MA; Eric B. Rimm, Walter C. Willett, Frank B. Hu, Harvard T.H. Chan Sch of Public Health, Boston, MA
- P158 Systematic Review and Meta-Analysis of Acute Effects of Alcohol Consumption on Risk of Cardiovascular Events**
Elizabeth Mostofsky, Cardiovascular Epidemiology Res Unit, Dept of Med, Beth Israel Deaconess Medical Ctr, Boston, MA; Harpreet S. Chahal, Dept of Epidemiology and Biostatistics, Schulich Sch of Med & Dentistry, Western Univ, London, ON, Canada; Kenneth J. Mukamal, Div of General Med and Primary Care, Beth Israel Deaconess Medical Ctr, Boston, MA; Eric B. Rimm, Dept of Epidemiology, Harvard T.H. Chan Sch of Public Health, Boston, MA; Murray A. Mittleman, Cardiovascular Epidemiology Res Unit, Dept of Med, Beth Israel Deaconess Medical Ctr, Boston, MA
- Sedentary Behavior**
- P159 Sedentary Behavior During the Weekend, Rather than Weekdays, Affects Body Composition in Young Adults**
Clemens Drenowatz, Madison M. DeMello, Univ of South Carolina, Columbia, SC; Robin P Shook, Iowa State Univ, Ames, IA; Gregory A. Hand, West Virginia Univ, Morgantown, WV; Steven N. Blair, Univ of South Carolina, Columbia, SC
- P160 Cross-sectional and Longitudinal Associations of Objective Sedentary Time, Physical Activity, and Obesity: the CARDIA Study**
Bethany Barone Gibbs, Univ of Pittsburgh, Pittsburgh, PA; Mercedes Carnethon, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Tiffany Gary-Webb, John Jakicic, Univ of Pittsburgh, Pittsburgh, PA; Kelley Pettee Gabriel, Univ of Texas Health Science Ctr at Houston, Austin, TX; Jamal Rana, Kaiser Permanente, Oakland, CA; Jared Reis, Natl Heart, Lung and Blood Inst, Bethesda, MD; Barbara Sternfeld, Kaiser Permanente, Oakland, CA; Cora Lewis, Univ of Alabama at Birmingham Sch of Med, Birmingham, AL

Poster Presentations (continued)

Aging and Elderly

- P161 Effect of Yoga Program on Cardiovascular Function in Elderly with Stage-I Hypertension**
Satish G. Patil, BLDE Univ's Sri B.M.Patil Medical Coll, Hosp & Res Ctr, Bijapur, Karnataka, India
- P162 Maintenance of Gait Speed in Elderly Men and Women Reduces Risk of Hospitalization Irrespective of the Extent of Coronary Artery Calcium**
Kristin Siggeirsdottir, Orn Olafsson, Icelandic Heart Association, Kopavogur, Iceland; Lenore J. Launer, Tamara B. Harris, Lab of Epidemiology and Population Sciences, Natl Inst on Aging, Bethesda, MD; Thor Aspelund, Vilundur Gudnason, Icelandic Heart Association, Kopavogur, Iceland
- P163 Are Coronary Artery Disease and Type 2 Diabetes Causally Related to Age of Menopause?**
N. Charlotte Onland-Moret, Claire Lovern, Marlies Voorhuis, UMC Utrecht, Utrecht, Netherlands; Ching-Ti Liu, Boston Univ Sch of Public Health, Boston, MA; Frank J. Broekmans, UMC Utrecht, Utrecht, Netherlands; CARE consortium; ReproGen consortium; EPIC-InterAct consortium; Nick J. Wareham, Univ of Cambridge, Cambridge, United Kingdom; Joanne M. Murabito, Boston Univ Sch of Med, Boston, MA; Yvonne T. van der Schouw, UMC Utrecht, Utrecht, Netherlands
- P164 Ideal Cardiovascular Health and Vascular Aging**
Bamba Gaye, Marie Cécile Perrier, French Inst of Health and Medical Res, Paris, France; Frédérique Thomas, Ctr d'Investigations Préventives et Cliniques, Paris, France; Catherine Guibout, French Inst of Health and Medical Res, Paris, France; Bruno Pannier, Ctr d'Investigations Préventives et Cliniques, Paris, France; Pierre Boutouyrie, Xavier Jouven, Jean Philippe Empana, French Inst of Health and Medical Res, Paris, France
- P165 Future Burden of Morbidity and Disability in England and Wales: A Modelling Study**
Maria Guzman Castillo, Univ of Liverpool, Liverpool, United Kingdom; Sara Ahmadi-Abhari, UCL Res Dept of Epidemiology and Public Health, London, United Kingdom; Piotr Bandosz, Univ of Liverpool, Liverpool, United Kingdom; Martin Shipley, UCL Res Dept of Epidemiology and Public Health, London, United Kingdom; Simon Capewell, Univ of Liverpool, Liverpool, United Kingdom; Archana Singh-Manoux, INSERM, Ctr for Res in Epidemiology & Public Health, Hôpital Paul Brousse, Bâtiment, France; Mika Kivimäki, Faculty of Med, Univ of Helsinki, Helsinki, Finland; Eric Brunner, UCL Res Dept of Epidemiology and Public Health, London, United Kingdom; Martin O'Flaherty, Univ of Liverpool, Liverpool, United Kingdom

- P166 Folate Intake and Cognitive Status Among Adults 60 Years and Older: National Health and Nutrition Examination Survey (NHANES)**
Magda Shaheen, Charles R. Drew Univ of Med and Science, Los Angeles, CA; **Ayesha Sherzai**, Dean Sherzai, Cedar-Sinai Medical Ctr, Los Angeles, CA
- P167 Insulin Resistance and Cognitive Status Among Adults 50 Years and Older: Data from National Health and Nutrition Examination Survey (NHANES)**
Ayesha Sherzai, Cedars-Sinai Medical Ctr, Los Angeles, CA; Jeff Yu, Univ of California Irvine, Irvine, CA; Konrad Talbot, Cedars-Sinai Medical Ctr, Los Angeles, CA; Magda Shaheen, Charles R. Drew Univ of Med and Science, Los Angeles, CA; Dean Sherzai, Cedars-Sinai Medical Ctr, Los Angeles, CA

Hypertension

- P168 Evaluation of the American Heart Association's "Check Change Control™" – Blood Pressure Control Program**
Rohini J. Patel, Chirag Desai, Univ of California, Irvine, Irvine, CA; Cevadne Lee, Sang-Mi Oh, American Heart Association, Los Angeles, CA; Nathan D. Wong, Univ of California, Irvine, Irvine, CA
- P169 Long-term Yogurt Intake is Associated with a Lower Risk of High Blood Pressure in Middle-Aged Nurses and Health Professionals**
Justin R. Buendia, Boston Univ Sch of Med, Boston, MA; Frank B. Hu, Harvard T.H. Chan Sch of Public Health, Boston, MA; Martha R. Singer, Howard J. Cabral, **Lynn L. Moore**, Boston Univ Sch of Med, Boston, MA
- P170 Lung Function Associated with Long-Term Blood Pressure Variability in Young Adults: The Coronary Artery Risk Development in Young Adults Study**
Yacob G. Tedla, Yuichiro Yano, Northwestern Univ, Chicago, IL; Bharat Thyagarajan, Univ of Minnesota, Minneapolis, MN; Ravi Kalhan, Rajesh Kumar, Northwestern Univ, Chicago, IL; Anthony Viera, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Sharon Rosenberg, Philip Greenland, Mercedes Carnethon, Northwestern Univ, Chicago, IL
- P171 Association Between Blood Pressure Control and Ten-Year Progression in Carotid Arterial Stiffness Varied by Diabetes Status Among Treated Hypertensive Individuals: The Multi-Ethnic Study of Atherosclerosis**
Yacob G. Tedla, Northwestern Univ, Chicago, IL; Adam Gepner, Univ of Wisconsin Madison, Madison, WI; Laura Colangelo, Northwestern Univ, Chicago, IL; James Stein, Univ of Wisconsin Madison, Madison, WI; Kiang Liu, Philip Greenland, Northwestern Univ, Chicago, IL

Poster Presentations (continued)

- P172 Postural Hand Tremor and Incident Hypertension in Young-To-Middle Aged Adults: The Bogalusa Heart Study**
Tian Hu, Tulane Univ, New Orleans, LA; Jack Guralnik, Univ of Maryland, Baltimore, MD; Jeanette Gustat, Emily Harville, Larry Webber, Wei Chen, Jiang He, Paul K Whelton, Lydia Bazzano, Tulane Univ, New Orleans, LA
- P173 Improvements in Adherence to Antihypertensive Medication among Medicare Beneficiaries Initiating Treatment Between 2007 and 2012**
Gabriel S. Tajeu, Shia T. Kent, Univ of Alabama at Birmingham, Birmingham, AL; Daichi Shimbo, Columbia Univ Medical Ctr, New York, NY; Marie Krousel-Wood, Tulane Univ, New Orleans, LA; Ian M. Kronish, Columbia Univ Medical Ctr, New York, NY; Adam P. Bress, Univ of Utah, Salt Lake City, UT; Lei Huang, Paul Muntner, Univ of Alabama at Birmingham, Birmingham, AL
- P174 The Role of Kidney Function in the Effectiveness of Lifestyle Modifications for Hypertension: Results from the ENCORE Trial**
Crystal C. Tyson, Duke Univ Medical Ctr, Durham, NC; ENCORE Investigators
- P175 Hypertension Burden in Luxembourg: Geographic Variations and Individual Risk Factors from the 2013-15 European Health Examination Survey**
Maria Ruiz-Castell, Ngianga-Bakwin Kandala, Andrea Kuemmerle, Jessica Barré, Anna Schritz, Luxembourg Inst of Health, Strassen, Luxembourg; Charles Delagardelle, Ctr Hospier de Luxembourg (CHL), Luxembourg, Luxembourg; Jean-Claude Schmit, Saverio Stranges, Luxembourg Inst of Health, Strassen, Luxembourg
- P176 Trends In Prescription- and Payment-related Factors That Promote Adherence to Medications Used To Treat Hypertension, 2009-2014**
Matthew D. Ritchey, Ctrs for Disease Control and Prevention, Atlanta, GA; Stavros Tsipaz, American Medical Association, Chicago, IL; Fleetwood Loustalot, Ctrs for Disease Control and Prevention, Atlanta, GA; Gregory Wozniak, American Medical Association, Chicago, IL
- P177 Projected Change in Outpatient Management of Blood Pressure in the United States With the Implementation Of JNC-8 as compared to JNC-7 Criteria**
Sunil K. Agarwal, Ines Sherifi, Nidhi Tripathi, Jonathan Halperin, Mount Sinai Hosp, New York, NY
- P178 Vitamin D Biomarkers with Risk of Hypertension and Renin-Angiotensin System**
Lu Wang, Nancy Cook, JoAnn E. Manson, J. Michael Gaziano, Julie E. Buring, Howard D. Sesso, Brigham and Women's Hosp, Boston, MA
- P179 Systolic Blood Pressure and Risk for Cardiovascular Disease Among Adults 60 Years and Older Without Diabetes or Chronic Kidney Disease**
Samantha G. Bromfield, Lisandro D. Colantonio, George Howard, Monika M. Safford, Univ of Alabama at Birmingham, Birmingham, AL; Daniel Lackland, Medical Univ of South Carolina, Charleston, SC; Olugbenga Ogedegbe, New York Univ, New York, NY; Maciej Banach, Medical Univ of Lodz, Lodz, Poland; C. Barrett Bowling, Emory Univ, Atlanta, GA; Maria-Corina Serban, Univ of Alabama at Birmingham, Birmingham, AL; Daichi Shimbo, Columbia Univ, New York, NY; Paul Muntner, Univ of Alabama at Birmingham, Birmingham, AL
- P180 A Racial Comparison of Vascular Hemodynamics in Middle-Aged Americans: the Jackson Heart Study**
Floyd Washington, Loma Linda Univ, San Bernadino, CA; Solomon K. Musani, Univ of Mississippi Medical Ctr, Jackson, MS; Emelia J. Benjamin, Boston Univ Sch of Med, Boston, MA; Gary F. Mitchell, Cardiovascular Engineering Inc., Boston, MA; Ervin R. Fox, Univ of Mississippi Medical Ctr, Jackson, MS
- P181 Blood Pressure and All-cause Mortality Among Patients With Type 2 Diabetes**
 Weiqi Li, Peter T. Katzmarzyk, Ronald Horswell, Yujie Wang, **Gang Hu**, Pennington Biomedical Res Ctr, Baton Rouge, LA
- P182 Role of Obesity for the Risk of Hypertension in Youth**
Corinna Koebnick, Kaiser Permanente Southern California, Pasadena, CA; Matthew F. Daley, Inst for Health Res, Kaiser Permanente Colorado, Denver, CO; Yasmina D. Mohan, Kristi Reynolds, Xia Li, Margo A. Sidell, Kaiser Permanente Southern California, Pasadena, CA; Amy H. Porter, Kaiser Permanente Los Angeles Medical Ctr, Los Angeles, CA; Joel Handler, Kaiser Permanente Anaheim Medical Ctr, Anaheim, CA; Stephen Daniels, Children's Hosp, Univ of Colorado, Denver, CO; Beatriz D. Kuizon, Kaiser Permanente Los Angeles Medical Ctr, Los Angeles, CA
- P183 Visit to Visit Variability in Diastolic Blood Pressure Predicts Incident Cardiovascular Disease Events in Middle-aged Adults**
Shih-Jen Hwang, Natl Inst of Health NHLBI, Framingham, MA; Martin G. Larson, Dept of Biostatistics Boston Univ, Boston, MA; Chunyu Liu, Natl Inst of Health NHLBI, Framingham, MA; Ramachandran S. Vasan, Section of Preventive Med, Boston Univ Sch of Med, Boston, MA; Daniel Levy, Natl Inst of Health NHLBI, Framingham, MA

Poster Presentations (continued)

P184 Is Home Blood Pressure More Strongly Associated With Coronary Artery Calcification Than Clinic Blood Pressure Measured Under an Appropriate Condition?

Atsushi Satoh, Dept of Public Health, Shiga Univ of Medical Science, Otsu, Shiga, Japan; Hisatomi Arima, Ctr for Epidemiologic Res in Asia, Dept of Public Health, Shiga Univ of Medical Science, Otsu, Shiga, Japan; Atsushi Hozawa, Dept of Preventive Med and Epidemiology, Tohoku Medical Megabank Organization, Tohoku Univ, Sendai, Miyagi, Japan; Takashi Hisamatsu, Ctr for Epidemiologic Res in Asia, Dept of Public Health, Shiga Univ of Medical Science, Otsu, Shiga, Japan; Sayaka Kadowaki, Dept of Public Health, Shiga Univ of Medical Science, Otsu, Shiga, Japan; Aya Kadota, Ctr for Epidemiologic Res in Asia, Dept of Public Health, Shiga Univ of Medical Science, Otsu, Shiga, Japan; Akira Fujiyoshi, Naoko Miyagawa, Maryam Zaid, Sayuki Torii, Dept of Public Health, Shiga Univ of Medical Science, Otsu, Shiga, Japan; Takayoshi Ohkubo, Dept of Hygiene and Public Health Teikyo Univ Sch of Med, Tokyo, Japan; Tomonori Okamura, Dept of Preventive Med and Public Health, Keio Univ, Tokyo, Japan; Akira Sekikawa, Dept of Epidemiology, Graduate Sch of Public Health, Univ of Pittsburgh, Pittsburgh, PA; Katsuyuki Miura, Dept of Public Health, Shiga Univ of Medical Science, Ctr for Epidemiologic Res in Asia, Otsu, Shiga, Japan; Hirotugu Ueshima, Ctr for Epidemiologic Res in Asia, Dept of Public Health, Shiga Univ of Medical Science, Otsu, Shiga, Japan

P185 Novel Loci for Blood Pressure Using Gene-alcohol Interactions and 1000g Imputed Data

Mary F. Feitosa, Div of Statistical Genomics, Dept of Genetics, Washington Univ Sch of Med, St. Louis, MO; Thomas W. Winkler, Dept of Genetic Epidemiology, Inst of Epidemiology and Preventive Med, Univ Regensburg, Regensburg, Germany; Amy R. Bentley, Ctr for Res on Genomics and Global Health, NHGRI, NIH, Bethesda, MD; Michael R. Brown, Dept of Epidemiology, Human Genetics, and Environmental Sciences, Univ of Texas Health Science Ctr, Houston, TX; Traci M. Bartz, Dept of Biostatistics and Med, Univ of Washington, Seattle, WA; Daniel I. Chasman, Dept of Med, Brigham and Women's Hosp, Boston, MA; Rajkumar Dorajoo, Genome Inst of Singapore, Agency for Science Technology and Res, Singapore, Singapore; Myriam Fornage, Brown Fndn Inst of Molecular Med, Univ of Texas Health Science Ctr, Houston, TX; Nora Franceschini, Dept of Epidemiology, Univ of North Carolina, Chapel Hill, SC; Xiuqing Guo, Dept of Pediatrics, LABioMed at Harbor-UCLA Medical Ctr, Torrance, CA; Stella Aslibekyan, Dept of Epidemiology, Univ of Alabama at Birmingham, Birmingham, AL; Caroline Hayward, MRC Human Genetics Unit, IGMM, Univ of Edinburgh, Edinburgh, United

Kingdom; Sharon L. Kardia, Dept of Epidemiology, Univ of Michigan Sch of Public Health, Ann Arbor, MI; Kurt Lohman, Dept of Biostatistical Sciences, Wake Forest Sch of Med, Winston-Salem, NC; Ruth J. Loos, The Charles Bronfman Inst for Personalized Med, The Icahn Sch of Med at Mount Sinai, New York, NY; Jonathan Marten, MRC Human Genetics Unit, IGMM, Univ of Edinburgh, Edinburgh, United Kingdom; Bamidele Tayo, Stritch Sch of Med, Loyola Univ Chicago, Chicago, IL; Dina Vojinovic, Dept of Epidemiology, Erasmus Univ Medical Ctr, Rotterdam, Netherlands; Wang Xu, Life Sciences Inst, Natl Univ of Singapore, Singapore, Singapore; Alanna Morrison, Dept of Epidemiology, Human Genetics, and Environmental Sciences, Univ of Texas Health Science Ctr, Houston, TX; Dabeeru C. Rao, Div of Biostatistics, Washington Univ Sch of Med, St. Louis, MO; Ingrid B. Borecki,

P186 Gender Dependent Association Between Asthma and Hypertension in Nationally Representative Young Korean Adults

Hong Seok Lee, Metropolitan Hosp, New York Medical Coll, New York, NY; Kyong-Do Han, Dept of Biostatistics, Coll of Med, The Catholic Univ of Korea, Seoul, Korea, Republic of; Gerald Pekler, New York Medical Coll, Metropolitan Hosp, New York, NY; Yong-Moon Park, Epidemiology Branch, Natl Inst of Environmental Health Sciences, Natl Insts of Health, Dept of Health and Human Services, Research Triangle Park, NC

P187 Blood Pressure Control in Adults with Autistic Spectrum Disorders in a Large Integrated Medical Care Program is Better Than in a Demographically Matched Comparison Group

Stephen Sidney, Ousseny Zerbo, Michael E. Sorel, Ying Qian, Kaiser Permanente Northern California, Oakland, CA; Steve Rich, Kaiser Permanente Northern California, Santa Rosa, CA; Joseph D. Young, Lisa A. Croen, Kaiser Permanente Northern California, Oakland, CA

P188 Repeated Blood Pressure Measurements in Relation to Cardiovascular and All Cause Mortality in Individuals With and Without Antihypertensive Medication: the Rancho Bernardo Study

Johanna M. Geleijnse, Susanne M. Tieleman, Wageningen Univ, Wageningen, Netherlands; Gail A Laughlin, Univ of California, San Diego, La Jolla, CA; Hendrik C. Boshuizen, Wageningen Univ, Wageningen, Netherlands; Elizabeth Barrett-Connor, Univ of California, San Diego, La Jolla, CA; Daan Kromhout, Wageningen Univ, Wageningen, Netherlands

P189 Prevalence of Lifestyle Factors for Hypertension Control in the United States

Angela M. Thompson-Paul, Cathleen Gillespie, Soyoun Park, Jennifer L. Foltz, Fleetwood Loustalot, Ctrs for Disease Control and Prevention (CDC), Chamblee, GA

Poster Presentations (continued)

P190 Associations of 24-h Urinary Sodium/Potassium (Na/K) Ratio with Recommended Intakes of Na and K: The INTERMAP Study
Toshiyuki Iwahori, OMRON Healthcare, MUKO, Kyoto, Japan; Katsuyuki Miura, Hirosugu Ueshima, Shiga Univ of Medical Science, OTSU, Shiga, Japan; Queenie Chan, Imperial Coll London, London, United Kingdom; Nagako Okuda, Univ of Human Arts and Sciences, Saitama, Japan; Katsushi Yoshita, Osaka City Univ, Osaka, Japan; Alan R. Dyer, Northwestern Univ, Chicago, IL; Paul Elliott, Imperial Coll London, London, United Kingdom; Jeremiah Stamler, Northwestern Univ, Chicago, IL

P191 Measurements of Large and Small Artery Elasticity Indexes in a Swedish Population: Are Repeated Measurements Needed?
Bledar Daka, Medicin, Gothenburg, Sweden; Matthew Allison, Dept of Family Med and Public Health, La Jolla, CA; Margareta I. Hellgren, Medicin, Gothenburg, Sweden; Lennart Råstam, Dept of Family Med and Public Health, Lund, Sweden; Ulf Lindblad, Medicin, Gothenburg, Sweden

Metabolomics/Proteomics and CVD

P192 Metabolomic Profiles Associated with Coronary Heart Disease in Women
 Nina P. Paynter, Brigham and Women's Hosp, Boston, MA; Raji Balasubramanian, Univ of Massachusetts, Amherst, MA; Shuba Gopal, Broad Inst, Boston, MA; Franco Giulianini, Brigham and Women's Hosp, Boston, MA; Leslie Tinker, Fred Hutchinson Cancer Ctr, Seattle, WA; JoAnn E. Manson, Nancy R. Cook, Christine M. Albert, Brigham and Women's Hosp, Boston, MA; Clary Clish, Broad Inst, Boston, MA; Kathy M. Rexrode, Brigham and Women's Hosp, Boston, MA

P193 Prospective Association of Allostatic Load with Incident CVD in American Indians: The Strong Heart Study
Hao Peng, Tulane Univ Sch of Public Health, New Orleans, LA; Fawn Yeh, Univ of Oklahoma Health Science Ctr, Oklahoma City, OK; Shelley A. Cole, Texas Biomedical Res Inst, San Antonio, TX; Lyle G. Best, Missouri Breaks Industries Res Inc, Timber Lake, SD; Mary J. Roman, Weill Cornell Medical Coll, New York, NY; Elisa T. Lee, Univ of Oklahoma Health Science Ctr, Oklahoma City, OK; Barbara V. Howard, MedStar Health Res Inst Hyattsville, MD and Georgetown and Howard Universities Ctrs for Translational Sciences, Washington, DC; Jinying Zhao, Tulane Univ Sch of Public Health, New Orleans, LA

Pregnancy and Maternal/Fetal Health

P194 Association of First Birth with Long-Term Trajectories of Cardiovascular Health: The Coronary Artery Risk Development in Young Adults (CARDIA) Study
Sarah Uttal, Donald Lloyd-Jones, Hongyan Ning,

Norrina Allen, Northwestern Univ, Chicago, IL; Cora Lewis, Univ of Alabama at Birmingham, Birmingham, AL; Erica Gunderson, Kaiser Permanente, Oakland, CA; Lisa VanWagner, Northwestern Univ, Chicago, IL

P195 Reproductive History and Subsequent Stroke in Middle-Aged African American Women: The Pitt County Study
Debbie Barrington, Georgetown Univ, Washington, DC; Sherman James, Emory Univ, Atlanta, GA

P196 Associations of Prenatal Antibiotics with Fetal Size and Cord Blood Leptin Levels: Findings from Project Viva
Noel T. Mueller, Johns Hopkins Univ, Baltimore, MD; Sheryl L. Rifas-Shiman, Harvard Medical Sch, Boston, MA; Martin J. Blaser, New York Univ Langone Medical Ctr, New York, NY; Matthew W Gillman, Marie-France Hivert, Harvard Medical Sch, Boston, MA

P197 Structural and Functional Arterial Changes in Healthy Women following Pregnancy
Mansi Desai, Nancy Niemczyk, Janet Catov, Marnie Bertolet, Emma Barinas-Mitchell, Mindy Columbus, Univ of Pittsburgh, Pittsburgh, PA

P198 Association Between Parity and Inflammation Varies by Acculturation Level Among Mexican American Women of Childbearing Age
Natalya Rosenberg, Martha L. Daviglus, Kamal Eldeirawi, Univ of Illinois at Chicago, Chicago, IL

Psychosocial/Quality of Life/Social Determinants of Cardiovascular Health

P199 Performance of the Atherosclerotic Cardiovascular Disease Pooled Cohort Risk Equations by Socioeconomic Status. The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study
Lisandro D. Colantonio, April P. Carson, Univ of Alabama at Birmingham, Birmingham, AL; Donald M. Lloyd-Jones, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Joshua S. Richman, George Howard, Virginia J. Howard, Monika M. Safford, Paul Muntner, Univ of Alabama at Birmingham, Birmingham, AL; David C. Goff Jr., Colorado Sch of Public Health, Aurora, CO

P200 Neighborhood Disadvantage and Poor Social Conditions Influence Cardiovascular Disease Incidence in African American Adults: A Prospective Analysis in the Jackson Heart Study
Sharrelle Barber, Drexel Univ Dornsife Sch of Public Health, Philadelphia, PA; DeMarc A. Hickson, Univ of Mississippi Medical Ctr, Jackson, MS; Xu Wang, Drexel Univ Dornsife Sch of Public Health, Philadelphia, PA; Mario Sims, Univ of Mississippi Medical Ctr, Jackson, MS; Cheryl Nelson, Natl Heart, Lung and Blood Inst, Natl Insts of Health, Bethesda, MD; Ana Diez-Roux, Drexel Univ Dornsife Sch of Public Health, Philadelphia, PA

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- P201 Ischemia With Mental Stress is Associated With Greater Left Ventricular Dyssynchrony**
Pratik M. Pimple, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; Ernest V. Garcia, Jonathon A. Nye, Dept of Radiology, Sch of Med, Emory Univ, Atlanta, GA; Muhammad Hammadah, Ibhar Al Mheid, Kobina Wilmot, Ronnie Ramadan, Div of Cardiology, Sch of Med, Emory Univ, Atlanta, GA; Amit J. Shah, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; Paolo Raggi, Mazankowski Alberta Heart Inst, Edmonton, AB, Canada; Fabio Esteves, Dept of Radiology, Sch of Med, Emory Univ, Atlanta, GA; Michael Kutner, Qi Long, Laura Ward, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; J. Douglas Bremner, Dept of Psychiatry, Sch of Med, Emory Univ, Atlanta, GA; Arshed A. Quyyumi, Div of Cardiology, Sch of Med, Emory Univ, Atlanta, GA; Viola Vaccarino, Rollins Sch of Public Health, Emory Univ, Atlanta, GA
- P202 Violence and Midlife Carotid Artery Intima-Media Thickness in Mexican Women**
Mario Flores, Insto Nacional de Salud Publica, Cuernavaca, Morelos, Mexico; Unnur Valdimarsdóttir, Ctr of Public Health Sciences, Sch of Health Sciences, Univ of Iceland, Reykjavik, Iceland; Ruy Lopez-Ridaura, Adriana Monge, Insto Nacional de Salud Publica, Cuernavaca, Morelos, Mexico; Carlos Cantú-Brito, Insto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico City, Mexico; Rebekka Lynch, Ctr of Public Health Sciences, Sch of Health Sciences, Univ of Iceland, Reykjavik, Iceland; Martín Lajous, Insto Nacional de Salud Publica, Cuernavaca, Morelos, Mexico
- P204 Depressive Symptomatology, Anti-depressant Use And Hypertension In Young Adulthood**
Shakira F. Suglia, Danielle M. Crookes, Katherine M. Keyes, Columbia Univ, New York, NY; Karestan C. Koenen, Harvard Univ, Boston, MA
- P205 Neighborhood Socioeconomic Status and Long-Term Incidence of Cancer after Myocardial Infarction**
Yariv Gerber, Uri Goldbourt, Tel Aviv Univ, Tel Aviv, Israel; Tal Hasin, Shaare Zedek Medical Ctr, Jerusalem, Israel; Gali Cohen, Tel Aviv Univ, Tel Aviv, Israel; Lital Keinan-Boker, Univ of Haifa, Haifa, Israel
- P206 Dog Ownership and the Risk of Cardiovascular Disease: a Nation-wide Cohort Study**
Mwenya Mubanga, Liisa Byberg, Erik Ingelsson, Tove Fall, Uppsala University, Uppsala, Sweden
- P207 Gene-by-Psychosocial Factor Interactions on Blood Pressure in Older Non-Hispanic Whites and African Americans: A Genomic Region-Level Analysis**
Jennifer A. Smith, Erin B. Ware, Wei Zhao, Jessica D. Faul, Sharon L. Kardia, Univ of Michigan, Ann Arbor, MI
- P208 Anger During Young Adulthood Increases the Risk of Developing Coronary Heart Disease**
Benjamin D. Pollock, Wei Chen, Emily Harville, Qi Zhao, Lydia Bazzano, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA
- P209 Socioeconomic Position is Associated with Cardiovascular Health Following the E-Mechanic Exercise Intervention**
Candice A. Myers, Stephanie T. Broyles, Corby Martin, Timothy S. Church, Pennington Biomedical Res Ctr, Baton Rouge, LA
- P210 Systolic Blood Pressure Trajectories From Childhood to Adulthood and Depression in Middle Age: The Bogalusa Heart Study**
Patrick Stuchlik, Emily Harville, Wei Chen, Lydia Bazzano, Tulane Univ, New Orleans, LA
- P211 Impact of Healthy Lifestyle Behaviors and Education level on Cardiovascular Mortality: The Japan Collaborative Cohort Study**
Eri Eguchi, Okayama Univ Graduate Sch of Med, Dentistry and Pharmaceutical Sciences, Okayama, Japan; Hiroyasu Iso, Osaka Univ Graduate Sch of Med, Suita, Japan; Kaori Honjo, Global Collaboration Ctr, Osaka Univ, Suita, Japan; Akiko Tamakoshi, Hokkaido Univ Graduate Sch of Med, Sapporo, Japan
- P212 Health-related Quality of Life and Leukocyte Telomere Length Among Adults in the United States: Findings from the National Health and Nutrition Examination Survey, 2001-2002**
Rumana J. Khan, Samson Gebreab, Pia Crespo, Amadou Gaye, Ruihua Xu, Sharon Davis, Natl Human Genome Res Inst, Bethesda, MD
- P213 Psychological Distress and Low Health Locus of Control are Associated with Insulin Resistance**
Maria C. Eriksson, Margareta I. Hellgren, Bledar Daka, Univ of Gothenburg, Inst of Med at Sahlgrenska Acad, Dept of Primary Health Care, Gothenburg, Sweden; Boo Johansson, Univ of Gothenburg, Dept of Psychology, Gothenburg, Sweden; Lennart Råstam, 3Lund Univ, Dept of Clinical Sciences, Malmö, Sweden; Ulf Lindblad, Univ of Gothenburg, Inst of Med at Sahlgrenska Acad, Dept of Primary Health Care, Gothenburg, Sweden; Charlotte A. Larsson, Lund Univ, Dept of Clinical Sciences, Malmö, Sweden
- P214 Anxiety and Depressive Symptoms are Associated With Coronary Artery Calcium. a Cross-sectional Analysis of Elsa-brasil Baseline Data**
Itamar S. Santos, Marcio S. Bittencourt, Priscila T. Rocco, Alexandre C. Pereira, Univ of Sao Paulo, São Paulo, Brazil; Sandhi M Barreto, Federal Univ of Minas Gerais, Belo Horizonte, Brazil; André R. Brunoni, Alessandra C. Goulart, Univ of Sao Paulo, São Paulo, Brazil; Michael J. Blaha, e. Johns

Poster Presentations (continued)

Hopkins Ciccarone Ctr for the Prevention of Heart Disease, Baltimore, MD; Paulo A. Lotufo, **Isabela M. Bensenor**, Univ of Sao Paulo, São Paulo, Brazil

- P215 Presence of Comorbid Psychiatric Illness Is Associated with Aortic Vascular Inflammation and Coronary Heart Disease Beyond Traditional Cardiovascular Risk Factors in Psoriasis**
Tsion M. Abera, Aditya A. Joshi, Joseph B. Lerman, Justin A Rodante, Joanna I. Silverman, Tarek Z. Aridi, Marcus Y. Chen, Nehal N. Mehta, Natl Heart, Lung and Blood Inst, Bethesda, MD

- P216 Relationships of Nativity and Length of Residence in the U.S. with Favorable Cardiovascular Health Among Hispanics/Latinos of Diverse Backgrounds: The Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**
Kiarri N. Kershaw, Northwestern Univ, Chicago, IL; Rebeca Espinoza Giacinto, San Diego State Univ, San Diego, CA; Franklyn Gonzalez, Univ of North Carolina, Chapel Hill, NC; Carmen R. Isasi, Albert Einstein Coll of Med, Bronx, NY; Hugo Salgado, San Diego State Univ, San Diego, CA; Jeremiah Stamler, Northwestern Univ, Chicago, IL; Gregory A. Talavera, San Diego State Univ, San Diego, CA; Wassim Tarraf, Wayne State Univ, Detroit, MI; Linda Van Horn, Northwestern Univ, Chicago, IL; Donghong Wu, Martha Daviglus, Univ of Illinois at Chicago, Chicago, IL

Renal Disease

- P217 Impact of Serum Potassium on Mortality and Kidney Outcomes in the Atherosclerosis Risk in Communities (ARIC) Study**
Yan Chen, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Alex R. Chang, Geisinger Medical Ctr, Danville, PA; Josef Coresh, Mara A. McAdams-Demarco, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Lesley A. Inker, Tufts Medical Ctr, Boston, MA; Morgan E. Grams, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD
- P218 Carotid Intima-Media Thickness and Incident End-Stage Renal Disease: The Atherosclerosis Risk in Communities Study**
Yuanjie Pang, Yingying Sang, Shoshana Ballew, Morgan Grams, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Gerardo Heiss, Univ of North Carolina, Chapel Hill, NC; Josef Coresh, Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD
- P219 Kidney Measures and Future Risk of Abdominal Aortic Aneurysm: The Atherosclerosis Risk in Communities (ARIC) Study**
Kunihiro Matsushita, Lucia Kwak, Shoshana Ballew, Morgan Grams, Elizabeth Selvin, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Aaron Folsom, Univ of Minnesota, Minneapolis,

MN; Josef Coresh, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Weihong Tang, Univ of Minnesota, Minneapolis, MN

- P220 Apolipoprotein A1 May Be Used as a Risk-marker for Future Chronic Kidney Disease in Middle-aged Men**
Margareta I. Hellgren, Bledar Daka, Inst of Med at Sahlgrenska Acad, Gothenburg, Sweden; Charlotte A. Larsson, Dep of Clinical Sciences, Lund Univ., Malmö, Sweden; Ulf Lindblad, Inst of Med at Sahlgrenska Acad, Gothenburg, Sweden

Subclinical Disease

- P222 Significant Inverse Association of Blood Levels of Marine Omega-3 Fatty Acids With Coronary Artery Calcification in Men in Japan**
Akira Sekikawa, Marnie Bertolet, University of Pittsburgh, Pittsburgh, PA; Abhishek Vishnu, West Virginia Univ, Morgantown, WV; Vasudha Ahuja, Rhobert W. Evans, Lewis H. Kuller, University of Pittsburgh, Pittsburgh, PA; Akira Fujiyoshi, Takashi Hisamatsu, Takashi Kadowaki, Aya Kadota, Sayaka Kadowaki, Hisatomi Arima, Katsuyuki Miura, Hirotugu Ueshima, Shiga Univ of Medical Science, Otsu, Japan
- P224 The Association of Surgical Versus Natural Menopause with Future Left Ventricular Structure and Function: The Coronary Artery Risk Development in Young Adults (CARDIA) Study**
Duke Appiah, Pamela J. Schreiner, Univ of Minnesota, Minneapolis, MN; Chike C. Nwabuo, Johns Hopkins Univ, Baltimore, MD; Melissa F. Wellons, Vanderbilt Univ, Nashville, TN; Cora E. Lewis, Univ of Alabama Birmingham, Birmingham, AL; Joao A. Lima, Johns Hopkins Univ, Baltimore, MD
- P225 Calcification of the Splenic, Internal and External Iliac, and Breast Arteries and Risk of All-cause Mortality**
Eva J. Hendriks, Pim A. de Jong, Univ Medical Ctr Utrecht, Utrecht, Netherlands; Joline W. Beulens, VU Univ Medical Ctr, Amsterdam, Netherlands; Yvonne T. van der Schouw, Univ Medical Ctr Utrecht, Utrecht, Netherlands; Michael H. Criqui, Matthew Allison, Joachim H. Ix, Univ of California San Diego, San Diego, CA
- P226 Higher Calcium Density in Abdominal Aortic Calcium (AAC) and Coronary Artery Calcium (CAC) Does Not Increase Risk for Cardiovascular Disease (CVD) events: The Multi-ethnic Study of Atherosclerosis (MESA)**
Nketi I. Forbang, Joachim Ix, Rosemay Remigo-Baker, Matthew Allison, Univ of California, San Diego, La Jolla, CA; Robyn McClelland, Univ of Washington, Seattle, WA; Veit Sandfort, Natl Insts of Health, Clinical Ctr, Bethesda, MD; Erin Michos, Johns Hopkins Univ, Baltimore, MD

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- P227 Cardiovascular Disease (CVD) Risk Factors have Opposite Associations with Abdominal Aortic Calcium (AAC) Density and Volume: The Multi-ethnic Study of Atherosclerosis (MESA)**
Nketi I. Forbang, Joachim H. Ix, Rosemay A. Remigio-Baker, Matthew A. Allison, Univ of California, San Diego, La Jolla, CA; Robyn L. McClelland, Univ of Washington, Seattle, WA; Veit Sandfort, Natl Insts of Health, Clinical Ctr, Bethesda, MD; Michael H. Criqui, Univ of California, San Diego, La Jolla, CA
- P228 Abdominal Lean Muscle Mass is Associated with the Density, but not the Volume, of Coronary Arterial Calcium and Abdominal Aortic Calcium**
Margaret A. Crawford, Matthew A. Allison, Michael H. Criqui, Britta A. Larsen, Univ of California, San Diego, La Jolla, CA
- P230 Markers of Hyperglycemia and Intracranial Atherosclerotic Stenosis by Magnetic Resonance Angiography**
Akira Fujiyoshi, Shiga Univ of Medical Science, Otsu, Shiga, Japan; M. Fareed K. Suri, Alvaro Alonso, Univ of Minnesota, Minneapolis, MN; Elizabeth Selvin, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Haitao Chu, Univ of Minnesota, Minneapolis, MN; Eliseo Guallar, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Ye Qiao, The Russell H. Morgan Dept of Radiology and Radiological Sciences, The Johns Hopkins Univ Sch of Med, Baltimore, MD; Yiyi Zhang, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Bruce A. Wasserman, The Russell H. Morgan Dept of Radiology and Radiological Sciences, The Johns Hopkins Univ Sch of Med, Baltimore, MD; Aaron R. Folsom, Univ of Minnesota, Minneapolis, MN
- P231 Electrocardiographic Versus Echocardiographic Left Ventricular Hypertrophy as a Predictor of Cardiovascular Disease Events in the General Population**
John A. Leigh, Wesley T. O'Neal, Elsayed Z. Soliman, Wake Forest Baptist Health, Winston-Salem, NC
- P232 Topical Testosterone Gel Use is Associated with Reduced Risk of CVD Events in Younger Men with CVD Risk Factors and No Increased Risk in Men Aged 65+**
Robert D. Langer, Gayle Allenback, Prathamesh Pathak, Vani Dandolu, Univ of Nevada Sch of Med, Las Vegas, NV
- P233 Presence and Gradation of Breast Arterial Calcification: Age and Ethnic Differences in a Cohort of Postmenopausal Women**
Carlos Iribarren, Gail Husson, Gabriela Sanchez, Kaiser Permanente, Oakland, CA; Bahman Sadeghi, Hanna Javan, Hyo-Min Cho, Huanjun Ding, Sabee Molloy, UC Irvine, Irvine, CA
- P235 Superior Mesenteric Artery Calcification is Associated with Cardiovascular Risk Factors, Systemic Calcified Atherosclerosis and Mortality in Asymptomatic Adults**
Timothy C. Lin, C. Michael Wright, Michael H. Criqui, Matthew A. Allison, UC San Diego Sch of Med, San Diego, CA
- P236 Sex and Race/ethnic Disparities in the Non-Alcoholic Fatty Liver Disease-Abdominal Aortic Calcification Association: The Multi-Ethnic Study of Atherosclerosis**
Rosemay A. Remigio-Baker, Matthew A. Allison, Michael H. Criqui, Nketi I. Forbang, Rohit Loomba, Cheryl A. Anderson, Univ of California, San Diego, La Jolla, CA; Matthew Budoff, Univ of California, Los Angeles, Los Angeles, CA; Jeffrey Schwimmer, Univ of California, San Diego, La Jolla, CA; Roger S. Blumenthal, Pamela Ouyang, Johns Hopkins Medical Inst, Baltimore, MD
- P237 Cardiovascular Disease Risk Factor Associations with Volume and Density Components of Coronary Artery Calcium: the Multi-Ethnic Study of Atherosclerosis (MESA)**
Julie O. Denenberg, Univ of California, San Diego, La Jolla, CA
- P238 Distribution of Aortic Plaque by Sex and Age Among Community-Dwelling Adults: A Framingham Magnetic Resonance Study**
Saadia Qazi, Philimon N. Gona, The NHLBI's Framingham Heart Study, Framingham, MA; Noriko Oyama-Manabe, Carol J. Salton, Beth Israel Deaconess Medical Ctr, Boston, MA; Christopher J. O'Donnell, The NHLBI's Framingham Heart Study, Framingham, MA; Warren J. Manning, Michael L. Chuang, Beth Israel Deaconess Medical Ctr, Boston, MA
- P239 Burden of Adverse Metabolic Factors Is Associated With Increased Left Ventricular Concentricity in Adults With Normal-Range Body Mass Index: The Framingham Heart Study**
Philimon N. Gona, Univ of Massachusetts, Boston, MA; Jane J. Lee, The NHLBI's Framingham Heart Study, Framingham, MA; Carol J. Salton, Beth Israel Deaconess Medical Ctr, Boston, MA; Christopher J. O'Donnell, The NHLBI's Framingham Heart Study, Framingham, MA; Warren J. Manning, Michael L. Chuang, Beth Israel Deaconess Medical Ctr, Boston, MA
- P240 Neck Circumference is Associated with Carotid Intimal-media Thickness but not with Coronary Artery Calcium: Results from The Brazilian Longitudinal Study of Adult Health (ELSA-Brasil)**
Paulo A. Lotufo, Univ of Sao Paulo, Sao Paulo, Brazil; Cristina M. Baena, Univ Catolica, Curitiba, Brazil; Alessandra C. Goulart, Itamar S. Santos, Marcio S. Bittencourt, Univ of Sao Paulo, Sao Paulo, Brazil; Bruce B. Duncan, Federal Univ of

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- Sao Paulo, Porto Alegre, Brazil; Simin Liu, Brown Univ, Providence, RI; Isabela M. Bensenor, Univ of Sao Paulo, Sao Paulo, Brazil
- P241 Correlates of Abdominal Aortic Diameters Among Persons without Abdominal Aortic Aneurysms: the Atherosclerosis Risk in Communities (ARIC) Study**
Lu Yao, Aaron Folsom, Alvaro Alonso, James Pankow, Pamela Lutsey, Emil Missov, Univ of Minnesota, Minneapolis, MN; Frank Lederle, Minneapolis VA Health Care System, Minneapolis, MN; Christie Ballantyne, Baylor Coll of Med and Ctr for Cardiovascular Disease Prevention, Houston, TX; Weihong Tang, Univ of Minnesota, Minneapolis, MN
- P242 Carotid Plaque Characterization, Stenosis, and Intima-Media Thickness According to Age and Gender in a Large Registry Cohort**
Nancy M. Boulous, Univ of California, Irvine, Irvine, CA; Julius M. Gardin, Hackensack Univ Medical Ctr, Hackensack, NJ; Shaista Malik, Univ of California, Irvine, Irvine, CA; John Postley, Columbia Univ, New York, NY; Nathan D. Wong, Univ of California, Irvine, Irvine, CA
- P243 Sugar-sweetened Beverage Consumption Is Not Associated With Calcified Atherosclerotic Plaques In The Coronary Arteries: The NHLBI Family Heart Study**
Yash R. Patel, Tasnim F. Imran, Harvard Medical School/Brigham and Women's Hosp, Boston, MA; R. C. Ellison, Boston Univ Sch of Med, Boston, MA; Geraldo Heiss, Univ of North Carolina at Chapel Hill Sch of Public Health, Chapel Hill, NC; Steven C. Hunt, Univ of Utah, Salt Lake City, UT; J. J. Carr, Vanderbilt Univ, Nashville, TN; Donna K. Arnett, Univ of Alabama, Birmingham, AL; James S. Pankow, Univ of Minnesota Sch of Public Health, Minneapolis, MN; J. M. Gaziano, Luc Djousse, Harvard Medical School/Brigham and Women's Hosp, Boston, MA
- Behavioral and Lifestyle Intervention Trials**
- P244 Participation in a Community-Based, Family-Focused Lifestyle Intervention Improves the Home Food Environment: Athletes for Life Preliminary Findings**
Sonia Vega-López, Emily Ghan, Michael Todd, Meg Bruening, Noe C Crespo, Arizona State Univ, Phoenix, AZ
- P245 Is Self-Efficacy Associated with Patterns of Self-Weighing Behavior?**
Yaguang Zheng, Boston Coll, Chestnut Hill, MA; Susan M. Sereika, Linda J. Ewing, Cynthia A. Danford, Martha A. Terry, Christopher Imes, Rachel W. Goode, Dara D. Mendez, Meghan K. Mattos, Lu Hu, Ran Sun, Lora E. Burke, Univ of Pittsburgh, Pittsburgh, PA
- P246 Influence of Latin Dance on Physical Activity among Community Dwelling Older Latino Adults**
Priscilla Vasquez, Susan Aguinaga, Univ of Illinois at Chicago, Chicago, IL; Robert S. Wilson, Rush Alzheimer's Disease Ctr, Chicago, IL; Louis F. Fogg, JoEllen Wilbur, Rush Univ, Chicago, IL; Susan L. Hughes, David X. Marquez, Univ of Illinois at Chicago, Chicago, IL
- P247 Trends in Obesity Prevalence and Predictors of Significant Weight Loss in a Large, Diverse Employee Population: The Baptist Health Employee Study**
Chukwuemeka U. Osondu, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL; Ehimen C. Aneni, Mount Sinai Medical Ctr, Miami Beach, FL; Javier Valero-Elizondo, Joseph A. Salami, Adnan Younus, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL; Maribeth Rouseff, Sankalp Das, Henry Guzman, Baptist Health South Florida, Miami, FL; Tinh Tran, Ctr for Performance Excellence, Baptist Health South Florida, Miami, FL; Gulmeena Khan, Theodore Feldman, Arthur Agatston, Emir Veledar, Khurram Nasir, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL
- P248 Objectively Measured Physical Activity and Sedentary Behavior Change During a Lifestyle Intervention in Overweight Adults: Does Season Matter?**
Bonny Rockette-Wagner, Andrea M. Kriska, Qianheng Ma, Susan M. Sereika, Christopher C. Imes, Christopher Kline, Lora Burke, Univ of Pittsburgh, Pittsburgh, PA
- P249 Effects of the Walking Intervention Through Texting Trial on Novel Markers of Vascular Stiffness and Remodeling**
Jennifer L. Herbold, Benjamin E. Hook, Catherine L. Jarrett, Wesley J. Tucker, Nishat Bhuiyan, Jacqueline A. Fernandez, Michael Todd, Marc A. Adams, Siddhartha S. Angadi, Arizona State Univ, Phoenix, AZ
- P250 Changes in Glycemia and Blood Lipids Following a 4 Month Mhealth Walking Intervention**
Benjamin E. Hook, Catherine L. Jarrett, Jennifer L. Herbold, Wesley J. Tucker, Jane C. Hurley, Michael Todd, Nishat Bhuiyan, Jacqueline A. Fernandez, Marc A. Adams, Siddhartha S. Angadi, Arizona State Univ, Tempe, AZ
- P251 Triggers of Temptations and Urges do not Change during a 12-Month Behavioral Intervention for Weight Loss**
Lora E. Burke, Saul Shiffman, University of Pittsburgh, Pittsburgh, PA; Daniel Siewiorek, Asim Smailagic, Carnegie Mellon University, Pittsburgh, PA; Andrea Kriska, Linda I. Ewing,

Poster Presentations (continued)

University of Pittsburgh, Pittsburgh, PA; Yaguang Zheng, Boston Coll, Boston, MA; Juliet Mancino, University of Pittsburgh, Pittsburgh, PA; Stephen L. Rathbun, University of Georgia, Athens, GA

Genetics

P253 **Genomewide Gene-Potassium Interaction Analyses on Blood Pressure: the GenSalt study**

Changwei Li, Dept of Epidemiology, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Jiang He, Dept of Epidemiology, Tulane Univ Sch of Public Health and Tropical Med; Tulane Univ Sch of Med, New Orleans, LA; James E. Hixson, Dept of Epidemiology, Human Genetics and Environmental Sciences, Univ of Texas Sch of Public Health, Houston, TX; Dongfeng Gu, State Key Lab of Cardiovascular Disease, Fuwai Hosp, Natl Ctr of Cardiovascular Diseases, Chinese Acad of Medical Sciences and Peking Union Medical Coll, Beijing, China; Dabeeru C. Rao, Div of Biostatistics, Washington Univ Sch of Med, St. Louis, MO; Lawrence C. Shimmin, Dept of Epidemiology, Human Genetics and Environmental Sciences, Univ of Texas Sch of Public Health, Houston, TX; Jianfeng Huang, State Key Lab of Cardiovascular Disease, Fuwai Hosp, Natl Ctr of Cardiovascular Diseases, Chinese Acad of Medical Sciences and Peking Union Medical Coll, Beijing, China; Charles C. Gu, Div of Biostatistics, Washington Univ Sch of Med, St. Louis, MO; Jichun Chen, Jianxin Li, State Key Lab of Cardiovascular Disease, Fuwai Hosp, Natl Ctr of Cardiovascular Diseases, Chinese Acad of Medical Sciences and Peking Union Medical Coll, Beijing, China; Jing Chen, Tulane Univ Sch of Med, New Orleans, LA; Jinying Zhao, Tanika N. Kelly, Dept of Epidemiology, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA

P254 **Genetic Risk Score for Height and the Incidence of Venous Thromboembolism: A Prospective Study**

Nicholas S. Roetker, James S. Pankow, Pamela L. Lutsey, Weihong Tang, Univ of Minnesota, Minneapolis, MN; Michael A. Rosenberg, Massachusetts General Hosp, Boston, MA; Susan R. Heckbert, Univ of Washington, Seattle, WA; Mary Cushman, Univ of Vermont, Burlington, VT; Aaron R. Folsom, Univ of Minnesota, Minneapolis, MN

P255 **Gut Microbiota Diversity and Specific Microbial Genera Associate with Cardiovascular Disease Risk: Findings from the Bogalusa Heart Study**

Tanika Kelly, Tulane University SPHTM, New Orleans, LA; Nadim J. Ajami, Baylor Coll of Med, Houston, TX; Lydia A. Bazzano, Jinying Zhao, Tulane University SPHTM, New Orleans, LA; Joseph Petrosino, Baylor Coll of Med, Houston, TX; Jiang He, Tulane University SPHTM, New Orleans, LA

P256 **Generalization and Fine Mapping of Genetic Associations with Hematocrit in Multi-ethnic Populations: The Population Architecture using Genomics and Epidemiology (PAGE) Study**

Chani J. Hodonsky, Univ of North Carolina Gillings Sch of Public Health, Chapel Hill, NC; Ursula Schick, The Charles Bronfman Inst for Personalized Med, Icahn Sch of Med at Mount Sinai, New York, NY; Jonathan Kocarnik, Fred Hutchinson Cancer Res Ctr, Seattle, WA; Claudia Schurmann, The Charles Bronfman Inst for Personalized Med, Icahn Sch of Med at Mount Sinai, New York, NY; Steve Buyske, Univ of North Carolina Gillings Sch of Public Health, Chapel Hill, NC; Myriam Fornage, Ctr for Human Genetics, Univ of Texas Health Science Ctr at Houston, Houston, TX; Lucia A. Hindorff, Div of Genomic Med, Natl Human Genomic Res Inst, Washington, DC; Danyu Lin, Dept of Biostatistics, Univ of North Carolina, Chapel Hill, NC; Bruce M. Psaty, Alex P. Reiner, Dept of Epidemiology, Univ of Washington, Seattle, WA; Ran Tao, Dept of Biostatistics, Univ of North Carolina, Chapel Hill, NC; Kari E. North, Univ of North Carolina Gillings Sch of Public Health, Chapel Hill, NC; Ruth J. Loos, The Charles Bronfman Inst for Personalized Med, Icahn Sch of Med at Mount Sinai, New York, NY; Charles Kooperberg, Dept of Biostatistics, Univ of Washington, Seattle, WA; Christy L. Avery, Univ of North Carolina Gillings Sch of Public Health, Chapel Hill, NC

P257 **Between-pedigree Genome-wide Linkage Screen Identifies a Locus on Chromosome 9 Influencing Coronary Artery Calcification in the Family Heart Study**

James E Hicks Jr., Michael A. Province, Washington Univ Sch of Med in Saint Louis, Saint Louis, MO

P258 **Alterations in DNA methylation of Circadian-Related Genes Are Associated with Metabolic Traits: A Gene-Set Analysis in Monozygotic Twins**

Qiang An, Yun Zhu, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Jack Goldberg, Univ of Washington Sch of Public Health, Seattle, WA; Viola Vaccarino, Emory Univ Sch of Public Health, Atlanta, GA; Jinying Zhao, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA

P260 **Large-scale Meta-analysis of Diverse Ancestry Genome-wide Association Studies to Identify Pharmacogenomic Interactions of Sulfonylureas and ECG Phenotypes**

James S. Floyd, Colleen Sitlani, Univ of Washington, Seattle, WA; Christy L. Avery, Eric A. Whitsel, Leslie Lange, Univ of North Carolina, Chapel Hill, NC; Albert V. Smith, Icelandic Heart Association, Kópavogur, Iceland; Daniel S. Evans, California Pacific Medical Ctr Res Inst, San Francisco, CA; Xiahui Li, Los Angeles Biomedical Res Inst, Harbor-UCLA Medical Ctr, Los Angeles, CA; Stella

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Trompet, Raymond Noordam, Leiden Univ Medical Ctr, Leiden, Netherlands; Bruno Stricker, Erasmus Univ Medical Ctr, Rotterdam, Netherlands; CHARGE Pharmacogenomics Working Group

P261 Genome-wide Association Study of Susceptibility to Particulate Matter-Associated Reduced Heart Rate Variability

Rahul Gondalia, Christy L. Avery, Melanie D. Napier, Raúl Méndez Giráldez, James D. Stewart, Univ of North Carolina, Dept of Epidemiology, Chapel Hill, NC; Colleen M. Sitlani, Univ of Washington, Cardiovascular Health Res Unit, Seattle, WA; Yun Li, Univ of North Carolina, Dept of Genetics, Chapel Hill, NC; Jeffrey Roach, Univ of North Carolina, Res Computing Ctr, Chapel Hill, NC; Kari E. North, Univ of North Carolina, Dept of Epidemiology, Chapel Hill, NC; Alex P. Reiner, Univ of Washington, Dept of Epidemiology, Seattle, WA; Zhu-Ming Zhang, Wake Forest Sch of Med, Epidemiologic Cardiology Res Ctr, Dept of Epidemiology and Prevention, Div of Public Health Sciences, Winston-Salem, NC; Lesley Tinker, Fred Hutchinson Cancer Res Ctr, Public Health Sciences Div, Seattle, WA; Duanping Liao, Pennsylvania State Univ Coll of Med, Div of Epidemiology, Dept of Public Health Sciences, Hershey, PA; Eric A. Whitset, Univ of North Carolina, Depts of Epidemiology and Med, Chapel Hill, NC; MOPMAP Investigators, Univ of North Carolina, Dept of Epidemiology, Chapel Hill, NC

P262 Resequencing Study Identifies Epithelial Sodium Channel Genes and Novel Low Frequency Variants Associated with Blood Pressure Salt-Sensitivity: the GenSalt Study

Christopher E. Anderson, Changwei Li, Jiang He, Tulane Univ SPHTM, New Orleans, LA; Dongfeng Gu, Div of Population Genetics and Prevention, Cardiovascular Inst and Fu Wai Hosp, Beijing, China; Dabeeru C. Rao, Washington Univ Sch of Med, St. Louis, MO; James E. Hixson, Lawrence C. Shimmin, The Univ of Texas Health Science Ctr at Houston Sch of Public Health, Houston, TX; Jianfeng Huang, Chinese Acad of Medical Sciences, Beijing, China; Charles C. Gu, Washington Univ Sch of Med, St. Louis, MO; Jichun Chen, Tulane Univ SPHTM, New Orleans, LA; Jianxin Li, Chinese Acad of Medical Sciences, Beijing, China; Tanika N. Kelly, Tulane Univ SPHTM, New Orleans, LA

P263 Resequencing Study Identifies Renin-Angiotensin-Aldosterone System Genes and Novel Low Frequency Variants Associated with Blood Pressure Salt-Sensitivity

Christopher E. Anderson, Changwei Li, Jiang He, Tulane Univ SPHTM, New Orleans, LA; Dabeeru C. Rao, Washington Univ Sch of Med, St. Louis, MO; James E. Hixson, The Univ of Texas Health Science Ctr at Houston Sch of Public Health, Houston, TX; Dongfeng Gu, The Cardiovascular

Inst and Fu Wai Hosp Chinese Acad of Medical Sciences and Peking Union Medical Coll, Beijing, China; Lawrence C. Shimmin, Univ of Texas Sch of Public Health, Dept of Epidemiology, Houston, TX; Jianfeng Huang, Chinese Acad of Medical Sciences, Beijing, China; Treva K. Rice, Washington Univ in St. Louis Sch of Med, St. Louis, MO; Jichun Chen, Tulane Univ SPHTM, New Orleans, LA; Jianxin Li, Chinese Acad of Medical Sciences, Beijing, China; Tanika N. Kelly, Tulane Univ SPHTM, New Orleans, LA

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Laura M. Raffield, Univ of North Carolina at Chapel Coll of Med, Burlington, VT; Qing Duan, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Peter Durda, Univ of Vermont Coll of Med, Burlington, VT; James G. Wilson, Univ of Mississippi Medical Ctr, Jackson, MS; Ethan M. Lange, Leslie A. Lange, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Alex P. Reiner, Univ of Washington, Seattle, WA

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P265 Macrosocial Disparity, Diet and Cardiovascular Mortality in Global Populations Undergoing Transition

Gitanjali M. Singh, Kurtis Morrish, William Masters, Dariush Mozaffarian, Tufts Univ, Boston, MA

P266 Prevalence and Age-Related Trends of Subclinical Cardiovascular Disease Burden in Adult Afro-Caribbean Men from Tobago

Allison L. Kuipers, Iva Miljkovic, Univ of Pittsburgh, Pittsburgh, PA; J. Jeffery Carr, James G. Terry, Sangeeta Nair, Vanderbilt Univ Sch of Med, Nashville, TN; Yaorong Ge, Univ of North Carolina, Charlotte, NC; Ryan Cvejkus, Clareann H. Bunker, Univ of Pittsburgh, Pittsburgh, PA; Alan L. Patrick, Tobago Health Studies Office, Scarborough, Trinidad and Tobago; Christina L. Wassel, Univ of Vermont Coll of Med, Burlington, VT; Joseph M. Zmuda, Univ of Pittsburgh, Pittsburgh, PA

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P267 Geographic Patterns of Cardiovascular Disease Risk Factor Prevalence In The Continental U.S.

Matthew S. Loop, George Howard, Univ of Alabama at Birmingham, Birmingham, AL; Gustavo de los Campos, Michigan State Univ, East Lansing, MI; Mohammad Z. Al-Hamdan, Universities Space Res Association/NASA, Huntsville, AL; Monika M. Safford, Emily B. Levitan, Univ of Alabama at Birmingham, Birmingham, AL; Leslie A. McClure, Drexel Univ, Philadelphia, PA

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- P269 Circulating Fatty Acids, Determinants and Use as Biomarkers for Dietary Intake: the CoDAM and Hoorn Study**
Anne J. Wanders, Sabine E. De Hoon, Marjan Alsema, Unilever R&D, Vlaardingen, Netherlands; Edith J. Feskens, Geertruida J. Van Woudenberg, Wageningen Univ, Wageningen, Netherlands; Carla J. Van Der Kallen, Maastricht Univ, Maastricht, Netherlands; Giel Nijpels, VU Medical Center, Amsterdam, Netherlands; Peter L. Zock, Unilever R&D, Vlaardingen, Netherlands; Helga Refsum, Christian A. Drevon, Univ of Oslo, Oslo, Norway; Amany Elshorbagy, Alexandria Univ, Alexandria, Egypt; Casper G. Schalkwijk, Coen D. Stehouwer, Maastricht Univ, Maastricht, Netherlands; Jacqueline M. Dekker, VU Medical Center, Amsterdam, Netherlands; Marleen J. Van Greevenbroek, Maastricht Univ, Maastricht, Netherlands
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Augusto Filippo Di Castelnuovo, Marialaura Bonaccio, Amalia De Curtis, Simona Costanzo, Mariarosaria Persichillo, Giovanni de Gaetano, Maria Benedetta Donati, Licia Iacoviello, IRCCS Istituto Neurologico Mediterraneo NEUROMED, Pozzilli, Italy; MOLI-SANI Study Investigators
- P271 Diet in Association With Weight Change and the Development of Overweight and Obesity – A Prospective Study of Men**
Susanne Rautiainen, Karolinska Instt, Stockholm, Sweden; I-Min Lee, Howard D. Sesso, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA
- P272 Baseline Diet and Long-term Efficacy of a Multivitamin Supplement on Cardiovascular Disease in the Physicians' Health Study II – A Randomized Controlled Trial**
Susanne Rautiainen, Karolinska Instt, Stockholm, Sweden; J. Michael Gaziano, William G. Christen, Robert J. Glynn, JoAnn E. Manson, Julie E. Buring, Howard D. Sesso, Brigham and Women's Hosp, Boston, MA

- P273 Dietary Saturated Fatty Acids and Coronary Heart Disease Risk in a Dutch Elderly Population: Food Source and Carbon Chain Length Matter**
Jaike Praagman, Julius center, Univ Medical Ctr Utrecht, Utrecht, Netherlands; Ester A. de Jonge, Jessica C. Kieft de Jong, Erasmus Medical Ctr, Rotterdam, Netherlands; Joline W. Beulens, VU Univ Medical Ctr, Amsterdam, Netherlands; Ivonne Sluijs, Julius center, Univ Medical Ctr Utrecht, Utrecht, Netherlands; Josje Schoufour, Albert Hofman, Erasmus Medical Ctr, Rotterdam, Netherlands; Yvonne T. van der Schouw, Julius center, Univ Medical Ctr Utrecht, Utrecht, Netherlands; Oscar H. Franco, Erasmus Medical Ctr, Rotterdam, Netherlands
- P274 Trans-generational Impact of Diet in Pregnancy: Maternal Dietary Intake of Grains During Pregnancy and Offspring Growth and Obesity From Birth Through Age of 7 Years**
Yeyi Zhu, Natl Inst of Child Health and Human Development, Rockville, MD; Sjurdur F. Olsen, Ctr for Fetal Programming, Dept of Epidemiology Res, Statens Serum Inst, Copenhagen, Denmark; Pauline Mendola, Natl Inst of Child Health and Human Development, Rockville, MD; Frank B. Hu, Depts of Nutrition and Epidemiology, Harvard Sch of Public Health, Boston, MA; Cuilin Zhang, Natl Inst of Child Health and Human Development, Rockville, MD
- P275 Food Insecurity is Associated with Increased Cardiovascular Risk in U.S. Adults**
Elisabeth L. Sattler, Vibha Bhargava, Univ of Georgia, Athens, GA
- P276 Self-Perceived Diet Quality, Obesity Status and Household Food Purchasing Behaviors among US Adults**
Chelsea R. Singleton, Univ of Illinois at Chicago, Chicago, IL
- P277 'Catalytic' Doses of Fructose Improve Glycemic Control but Not Insulin Resistance: A Systematic Review and Meta-Analysis of Controlled Feeding Trials**
Jarvis Noronha, Catherine Braunstein, Univ of Toronto, Toronto, ON, Canada; Sonia Blanco Mejia, St. Michael's Hosp, Toronto, ON, Canada; Adrian Cozma, Univ of Toronto, Toronto, ON, Canada; Andrea Glenn, St. Michael's Hosp, Toronto, ON, Canada; John Sievenpiper, Univ of Toronto, Toronto, ON, Canada
- P278 Metabolomic Profiles Associated With Dietary Patterns In Women**
Paulette D. Chandler, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA; Raji Balasubramanian, Univ of Massachusetts, Amherst, Amherst, MA; Nina Paynter, Brigham and Women's Hosp, Harvard Medical Sch, Harvard Sch of Public Sch, Boston, MA; Franco Giulianini,

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- Brigham and Women's Hosp, Boston, MA; Linda G Snetselaar, Univ of Iowa, Iowa City, IA; Simin Liu, Charles Eaton, Brown Univ, Providence, RI; Deirdre Tobias, JoAnn E. Manson, Edward Giovannucci, Brigham and Women's Hosp, Harvard Medical Sch, Harvard Sch of Public Health, Boston, MA; Clary Clish, Harvard Medical Sch, Massachusetts Inst of Technology, Boston, MA; Kathryn E. Rexrode, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA
- P279 Major Dietary Risk Factors for Cardiometabolic Disease: Current Evidence for Causal Effects and Effect Sizes from the Global Burden of Diseases (GBD) 2015 Study**
Masha L. Shulkin, Renata Micha, Friedman Sch of Nutrition Science and Policy, Tufts Univ, Boston, MA; Mayuree Rao, Warren Alpert Medical Sch, Brown Univ, Providence, RI; Gitanjali M. Singh, Dariush Mozaffarian, Friedman Sch of Nutrition Science and Policy, Tufts Univ, Boston, MA
- P280 Changes in Food Prices Improve Cardiovascular Disease (CVD) Outcomes**
 Stephen Sy, Harvard T.H. Chan Sch of Public Health, Boston, MA; Jose Peñalvo, Gerald J. and Dorothy R. Friedman Sch of Nutrition Science and Policy, Boston, MA; Shafika Abrahams-Gessel, Sartaj Alam, Ankur Pandya, Harvard T.H. Chan Sch of Public Health, Boston, MA; Dariush Mozaffarian, Gerald J. and Dorothy R. Friedman Sch of Nutrition Science and Policy, Boston, MA; **Thomas A. Gaziano**, Brigham and Women's Hosp and Harvard TH Chan Sch of Public Health, Boston, MA
- P281 Comparing the Impact of Price Change and Mass Media Campaigns in Reducing Cardiovascular Disease Mortality and Disparities in the U.S.**
Jonathan Pearson-Stuttard, Imperial Coll London, London, United Kingdom; Piotr Bnadosz, Univ of Liverpool, Liverpool, United Kingdom; Colin D. Rehm, Ashkan Afshin, Jose Penalvo, Tufts Univ, Boston, MA; Laurie Whitsel, American Heart Association, Washington DC, MD; Goodarz Danaei, Harvard Univ, Boston, MA; Renata Micha, Zach Conrad, Tufts Univ, Boston, MA; Thomas Gaziano, Divs of Cardiovascular Med, Brigham and Women's Hosp, Boston, MA; Helen Bromley, Ffion Lloyd-Williams, Univ of Liverpool, Liverpool, United Kingdom; Dariush Mozaffarian, Tufts Univ, Boston, MA; Simon Capewell, Martin O'Flaherty, Liverpool Univ, Liverpool, United Kingdom
- P282 Dairy Fat and Risk of Cardiovascular Disease in 3 Cohorts of U.S. Adults**
 Mu Chen, Qi Sun, Harvard Sch of Public Health, Boston, MA; An Pan, Huazhong Univ of Science and Technology, Wuhan, China; **Yanping Li**, Harvard T.H. Sch of Public Health, Boston, MA;
- JoAnn E. Manson, Harvard Medical Sch, Boston, MA; Kathryn M. Rexrode, Walter C. Willett, Eric B. Rimm, Frank B. Hu, Harvard T.H. Sch of Public Health, Boston, MA
- P283 Healthy Food Marketing Can Potentially Increase Consumption of Fruit and Vegetables in New York City Neighborhoods**
Yan Li, David S. Siscovick, The New York Acad of Med, New York, NY; Donglan Zhang, Univ of California, Los Angeles, Los Angeles, CA; José A. Pagán, The New York Acad of Med, New York, NY
- P284 Role of a Genetic Risk Score With Dietary Intake and Physical Activity in Relation to Metabolic Syndrome**
Dale S. Hardy, Georgia Regents Univ, Augusta, GA; Tesfaye Mersha, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Hongyan Xu, Georgia Regents Univ, Augusta, GA; Susan Racette, Washington Univ Sch of Med, St. Louis, MO
- P285 Adherence to the Mediterranean Diet is Associated with Longer Telomere Length in Patients with Coronary Artery Disease**
Pratik M. Pimple, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; Kobina Wilmot, Ibhar Al Mheid, Div of Cardiology, Sch of Med, Emory Univ, Atlanta, GA; Jinying Zhao, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Jue Lin, Elizabeth Blackburn, Univ of California, San Francisco, San Francisco, CA; Cherie Rooks, Margarethe Goetz, Yan Sun, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; J. Douglas Bremner, Dept of Psychiatry, Sch of Med, Emory Univ, Atlanta, GA; Arshed A Quyyumi, Div of Cardiology, Sch of Med, Emory Univ, Atlanta, GA; Viola Vaccarino, Rollins Sch of Public Health, Emory Univ, Atlanta, GA
- P286 Macronutrient Intake and Dietary Patterns' Association with Telomere Length in American Indians: The Strong Heart Study**
Mihriye Mete, Medstar Health Res Inst, Hyattsville, MD; Sigal Eilat-Adar, Zinman Coll for Physical Education & Sports, Wingate Inst, Netanya, Israel; Alexander Zeymo, Medstar Health Res Inst, Hyattsville, MD; Jinying Zhao, Dept of Epidemiology, Tulane Univ Sch of Public Health, New Orleans, LA; Amanda M. Fretts, Dept of Epidemiology, Univ of Washington, Seattle, WA; Nawar Shara, Barbara V. Howard, Medstar Health Res Inst, Hyattsville, MD
- P287 The Association Between Usual Fast Food Intake Over 25 Years and Non-Alcoholic Fatty Liver Disease: The Coronary Artery Risk Development in Young Adults (CARDIA) Study**
Andrew O. Odegaard, Univ of California, Irvine, Irvine, CA; David R. Jacobs Jr, Lyn M. Steffen, Mark A. Pereira, Univ of Minnesota, Minneapolis, MN

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Justin R. Ryder, Alex Kaiser, Kyle D. Rudser, Univ of Minnesota, Minneapolis, MN; Stephen R. Daniels, Univ of Colorado Sch of Med, Aurora, CO; Aaron S. Kelly, Univ of Minnesota, Minneapolis, MN

P289 **Sex Differences in the Rate of Visceral Adipose Tissue Accrual During Adulthood**

Kara M. Whitaker, Univ of Minnesota, Minneapolis, MN; Audrey C. Choh, Miryoung Lee, Stefan A. Czerwinski, Wright State Univ, Dayton, OH; Ellen W. Demerath, Univ of Minnesota, Minneapolis, MN

P290 **Short-term Weight Change and Long-Term Mortality in the Trials of Hypertension Prevention**

Nancy R. Cook, Brigham and Women's Hosp, Boston, MA; Lawrence J. Appel, Johns Hopkins Sch of Med, Baltimore, MD; Paul K. Whelton, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA

P291 **Projected Heterogeneity in the Long-term Effects of Obesity Interventions Across the Life Course**

Christy L. Avery, Dept of Epidemiology, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Johanna K. Schönbach, Inst for Public Health and Nursing Res, Res, Health Sciences Bremen and Res Group for Evidence Based Public Health, Leibniz Inst for Prevention Res and Epidemiology, Bremen, Germany; Priya A. Palta, Dept of Epidemiology, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Stephanie B. Wheeler, Dept of Health Policy, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Stefan K. Lhachimi, Inst for Public Health and Nursing Res, Res, Health Sciences Bremen and Res Group for Evidence Based Public Health, Leibniz Inst for Prevention Res and Epidemiology, Bremen, Germany

P292 **Age at Menarche, Weight Change From Young Adulthood to Middle Age, and Adult Adiposity: Evidence From The Hong Kong Women's Health Study**

Yao Jie Xie, The Hong Kong Polytechnic Univ, Hong Kong, Hong Kong; Suzanne C. Ho, The Chinese Univ of Hong Kong, Hong Kong, Hong Kong

P294 **Higher Obesity Duration and Severity are Associated With Progression to Metabolic Syndrome From Metabolically Healthy Obesity: Discrete Time Survival Evidence From The Multi-Ethnic Study of Atherosclerosis**

Morgana Mongraw-Chaffin, Univ of California, San Diego, La Jolla, CA; Meredith C. Foster, Tufts Medical Ctr, Boston, MA; Rita R. Kalyani, Dhananjay Vaidya, Johns Hopkins Univ, Baltimore, MD; Gregory L. Burke, Wake Forest Sch of Med, Winston-Salem, NC; Mark Woodward, The George Inst for Global Health, Oxford, United Kingdom; Cheryl A. Anderson, Univ of California, San Diego, La Jolla, CA

P295 **Association of Intermuscular Fat Density With Hyperinsulinemia And Insulin Resistance**

Iva Miljkovic, Allison Kuipers, Univ of Pittsburgh, Pittsburgh, PA; J. Jeffrey Carr, James G. Terry, Vanderbilt Univ Medical Ctr, Nashville, TN; Sangeeta Nair, Yaorong Ge, Vanderbilt Univ Medical Ctr, Nashville, PA; Ryan Cvejkus, Curtis Tilves, Clareann Bunker, Univ of Pittsburgh, Pittsburgh, PA; Alan Patrick, Tobago Health Studies Office, Scarborough, Trinidad and Tobago; Joseph Zmuda, Univ of Pittsburgh, Pittsburgh, PA

P296 **Longitudinal Association of Changes in Abdominal Fat Quantity and Quality with Changes in Cardiovascular Disease Risk Factors**

Jane J. Lee, Alison Pedley, Natl Heart, Lung, and Blood Inst's Div of Intramural Res, the Framingham Heart Study, and the Population Studies Branch, Framingham, MA; Udo Hoffmann, Dept of Radiology, Massachusetts General Hosp, Boston, MA; Joseph M. Massaro, Dept of Biostatistics, Boston Univ, Boston, MA; Caroline S. Fox, Natl Heart, Lung, and Blood Inst's Div of Intramural Res, the Framingham Heart Study, and the Population Studies Branch, Framingham, MA and Div of Endocrinology, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA

P297 **Depressive Symptoms, Weight Gain and Risk of Obesity in U.S. Black Women**

Edward A. Ruiz-Narváez, Julie R. Palmer, Hanna Gerlovin, Lauren A. Wise, Lynn Rosenberg, Boston Univ, Boston, MA

P298 **Neck Circumference is Associated with Carotid Intimal-Media Thickness but not with Coronary Artery Calcium: Results from The Brazilian Longitudinal Study of Adult Health ELSA-Brasil**

Cristina P. Baena, Pontifical Catholic Univ of Paraná, Curitiba, Brazil; Paulo Lotufo, Itamar Santos, Alessandra Goulart, Marcio S. Bittencourt, São Paulo Univ, São Paulo, Brazil; Bruce B. Duncan, Federal Univ of Rio Grande do Sul, Porto Alegre, Brazil; Simin Liu, Brown Univ, Providence, RI; Isabela Benseñor, São Paulo Univ, São Paulo, Brazil

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Emmanuel M. Quaye, Elizabeth Selvin, Chiadi Ndumele, Kunihiro Matsushita, Karen Bandeen-Roche, Johns Hopkins Univ, Baltimore, MD; June Stevens, Priya Palta, Univ of North Carolina, Chapel Hill, NC; Lynne Wagenknecht, Wake Forest Sch of Med, Winston-Salem, NC; Josef Coresh, Johns Hopkins Univ, Baltimore, MD

P300 **Cross-ethnic Differences in Ectopic Fat Depots Variably Predict Coronary Artery Calcium**

Sachin K. Garg, Feng Lin, Univ of California, San Francisco, San Francisco, CA; Namratha R. Kandula, Northwestern Univ, Chicago, IL; Jingzhong Ding, Wake Forest Univ Health Sciences, Winston-Salem, NC; Jeffrey Carr, Vanderbilt Univ Medical Ctr,

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- Nashville, TN; Matthew Allison, Univ of California, San Diego, La Jolla, CA; Kiang Liu, Northwestern Univ Medical Sch, Chicago, IL; David Herrington, Wake Forest Sch of Med, Winston-Salem, NC; Dhananjay Vaidya, Johns Hopkins Medical Insts, Baltimore, MD; Eric Vittinghoff, Alka M. Kanaya, Univ of California, San Francisco, San Francisco, CA
- P301 Adipocytokines and Vitamin D in a Biracial Sample of Young Metabolically Healthy Obese and Metabolically Abnormal Obese Women**
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Ravinder Valadri, Namrata Singhania, Deborah Deborah, Richard English, LeYu Naing, Khushbu Desai, Maureen Litchman, Thomas Linda, Samir Pancholy, Emir Veledar, The Wright Ctr for Graduate Medical Education, Edwardsville, PA
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- P304 The Association of Sleep Duration and severe obesity in a working population: The Baptist Health South Florida Employee Study**
Chukwuemeka U. Osondu, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL; Ehimen C. Aneni, Mount Sinai Medical Ctr, Miami Beach, FL; Maribeth Rouseff, Sankalp Das, Baptist Health South Florida, Miami, FL; Don Parris, Ctr for Res and Grants, Baptist Health South Florida, Miami, FL; Henry Guzman, Baptist Health South Florida, Miami, FL; Thinh Tran, Ctr for Performance Excellence, Baptist Health South Florida, Miami, FL; Adnan Younus, Rameez Ahmad, Shozab Ali, Muhammad A. Latif, Theodore Feldman, Emir Veledar, Khurram Nasir, Ctr for Healthcare Advancement and Outcomes, Baptist Health South Florida, Miami, FL
- P305 Obesity is Associated with Differentiated Methylation in Glucose Tolerance-Related Genes in Adolescents**
Fan He, Arthur Berg, Yuka Imamura Kawasawa, Anna C. Salzberg, Edward O. Bixler, Alexandros N. Vgontzas, Duanping Liao, The Pennsylvania State Univ Coll of Medicine, Hershey, PA
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Quinn R. Pack, Baystate Medical Ctr, Springfield, MA; Brian D. Lahr, Ray W. Squires, Francisco Lopez-Jimenez, Kevin Greason, Mayo Clinic, Rochester, MN; Hector Michelena, Mayo Clinic, Rochester, MN; Kashish Goel, Mayo Clinic, Rochester, MN; Randal J. Thomas, Mayo Clinic, Rochester, MN
- P307 The Impact of Aspirin Primary Prevention Treatment Guidelines, 2007-2015: Aspirin Use Stratified by Cardiovascular Disease Risk**
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George Thanassoulis, McGill Univ, Montreal, QC, Canada; Ken Williams, KenAnCo Biostatistics, San Antonio, QC, Canada; Kathleen K Altobelli, KenAnCo Biostatistics, San Antonio, TX; Michael J. Pencina, Duke Clinical Res Inst, Durham, NC; Christopher P. Cannon, Harvard Clinical Res Inst, Boston, MA; Allan D. Sniderman, Allan D. Sniderman, McGill Univ, Montreal, QC, Canada
- P309 Vulnerabilities to Health Disparities and Statin Use in the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study**
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- P310 Predictors of Phase III Enrollment in Participants Completing Phase II Cardiac Rehabilitation in a Large Urban Cardiac Rehabilitation Center**
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- P311 The Triglyceride Response to a Sugar Load Parallels the Glycemic Response**
Jacob Hartz, Pablo Cure, Cara Carty, Children's Natl Medical Ctr, Washington, DC; Carlos Cure-Cure, Biomelab Res Ctr, Barranquilla, Colombia, Barranquilla, Colombia; Michelle Mietus-Snyder, Children's Natl Medical Ctr, Washington, DC
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- P313 Excessive Daytime Sleepiness in Older British Men: An Early Marker of Heart Failure**
Shahrazad Zonoozi, Sheena Ramsay, Olia Papacosta, Lucy Lennon, Univ Coll London, London, United Kingdom; Elizabeth A. Ellins, Julian P. Halcov, Inst of Life Sciences, Swansea Univ, Swansea, United Kingdom; Peter H. Whincup, Population Health

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- P314 Sleep Quality and High-fat Vs High-vegetable Diet: Cross-sectional and Longitudinal Relationships**
Michael A. Grandner, Univ of Arizona, Tucson, AZ; Siu-kuen Azor Hui, Public Health Management Corp, Philadelphia, PA

- P315 Three-year Progression of Sleep-disordered Breathing is Associated with Cardiovascular Disease Risk Factors in Young Adults**
Christopher E. Kline, Thomas B. Rice, Patrick J. Strollo, Emma Barinas-Mitchell, Univ of Pittsburgh, Pittsburgh, PA

- P316 The Mediation of Racial Differences in Hypertension by Sleep Characteristics: Chicago Area Sleep Study**
Laura Rasmussen-Torvik, Peter de Chavez, Kiarri Kershaw, Northwestern Feinberg Sch of Med, Chicago, IL; Kristen Knutson, Univ of Chicago Sch of Med, Chicago, IL; Kwang-Youn Kim, Phyllis Zee, Mercedes Carnethon, Northwestern Feinberg Sch of Med, Chicago, IL

Stroke

- P317 Dietary Carbohydrate Quantity and Quality Measures and Risk of Stroke**
Sally N. Adebamowo, Natl Human Genome Res Inst, NIH, Bethesda, MD; Hala B. AlEissa, Harvard T.H. Chan Sch of Public Health, Boston, MA; Donna Spiegelman, Harvard T.H. Chan Sch of Public Health, Boston, MD; Kathryn M Rexrode, Brigham and Women's Hosp, Boston, MA; Walter C. Willett, Harvard T.H. Chan Sch of Public Health, Boston, MA

- P318 Dietary Sodium to Potassium Ratio and Risk of Stroke in a Multi-ethnic Urban Dwelling Population: the Northern Manhattan Study**
Sandino Cespedes, **Joshua Z. Willey**, Columbia Univ, New York, NY; Ralph L. Sacco, Clinton B. Wright, Univ of Miami, Miami, FL; Mitchell S. Elkind, Columbia Univ, New York, NY; Hannah Gardener, Univ of Miami, Miami, FL

- P319 Prospective Association Between Beta-2 Microglobulin and the Risk of Ischemic Stroke in Women**
Pamela M. Rist, Monik C. Jiménez, Kathryn M. Rexrode, Brigham and Women's Hosp, Boston, MA

- P320 Dairy Consumption and Risk of Stroke: A Systematic Review and Dose-response Meta-analysis of Prospective Cohort Studies**
Janette de Goede, Johanna M. Geleijnse, Wageningen Univ, Wageningen, Netherlands; An Pan, Dept of Epidemiology and Biostatistics, Ministry of Education Key Lab of Environment and Health, Sch of Public Health, Tongji Medical

Coll, Huazhong Univ of Science and Technology, Wuhan, China; Lieke Gijssbers, Sabita Soedamah-Muthu, Wageningen Univ, Wageningen, Netherlands

- P321 Insulin Resistance is Associated with Incident Coronary Heart Disease but not Stroke Among African Americans: The Jackson Heart Study**
Valery S. Effoe, Lynne E. Wagenknecht, Dept of Epidemiology and Prevention, Wake Forest Sch of Med, Winston Salem, NC; Justin B. Echouffo-Tcheugui, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA; Haiying Chen, Dept of Biostatistical Sciences, Wake Forest Sch of Med, Winston Salem, NC; Joshua J. Joseph, Div of Endocrinology, Diabetes and Metabolism, Johns Hopkins Univ Sch of Med, Baltimore, MD; Rita R. Kalyani, Dept of Med, Johns Hopkins Medical Insts, Baltimore, MD; Ronny A. Bell, Dept of Epidemiology and Prevention, Wake Forest Sch of Med, Winston Salem, NC; Wen-Chih H. Wu, Dept of Med, Alpert Medical Sch of Brown Univ, Providence, RI; Ramon Casanova, Dept of Biostatistical Sciences, Wake Forest Sch of Med, Winston Salem, NC; Alain G. Bertoni, Dept of Epidemiology and Prevention, Wake Forest Sch of Med, Winston Salem, NC

- P322 Goals for Cardiometabolic Risk Factors are Still Not Being Attained in the Long Term After Stroke or Transient Ischaemic Attack**
Muideen T Olaiya, Dominique A. Cadilhac, Joosup Kim, Monash Univ, Clayton, Australia; Mark R. Nelson, Menzies Inst for Medical Res, Hobart, Australia; Velandai K. Srikanth, Monash Univ, Clayton, Australia; Christopher F. Bladin, Box Hill Hosp, Box Hill, Australia; Richard P. Gerraty, Monash Univ, Richmond, Australia; Sharyn M. Fitzgerald, Thanh Phan, Monash Univ, Clayton, Australia; Judith Frayne, Alfred Hosp, Melbourne, Australia; Amanda G. Thrift, Monash Univ, Clayton, Australia

- P323 Urinary Sodium and Potassium Excretion in Relation to Risk of Stroke in Japanese Men and Women: the Circulatory Risk in Communities Study (CIRCS)**
Renzhe Cui, Osaka Univ Graduate Sch of Med, Suita, Japan; Kazumasa Yamagishi, Univ of Tsukuba, Tsukuba, Japan; Hironori Imano, Osaka Univ Graduate Sch of Med, Suita, Japan; Tetsuya Ohira, Fukushima Medical Univ Sch of Med, Fukushima, Japan; Takeshi Tanigawa, Juntendo Univ Graduate Sch of Med, Tokyo, Japan; Masahiko Kiyama, Takeo Okada, Osaka Ctr for Cancer and Cardiovascular Disease Prevention, Osaka, Japan; Akihiko Kitamura, Hiroyasu Iso, Osaka Univ Graduate Sch of Med, Suita, Japan

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Surveillance

P324 Cardiovascular Risk and Mortality Increase with Progression of Chronic Liver Disease

Kyungeh An, Virginia Commonwealth Univ, Richmond, VA; Cheongtag Kim, Seoul Natl Univ, Seoul, Korea, Republic of; Jeanne Salyer, Virginia Commonwealth Univ, Richmond, VA; Shannon Bruffy, Richard Sterling, Virginia Commonwealth Univ Health System, Richmond, VA

P325 Emergency Department Visit Rates for Influenza-Like Illness Can be Used to Predict Seasonal Cardiovascular Disease Mortality Rates Among Older Adults

Jennifer Nguyen, Wan Yang, Columbia Univ, New York, NY; Kazuhiko Ito, Thomas Matte, New York City Dept of Health and Mental Hygiene, New York, NY; Jeffrey L. Shaman, Patrick L. Kinney, Columbia Univ, New York, NY

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