



American Heart Association.

Epidemiology, Prevention,
Lifestyle & Cardiometabolic Health

Thursday, May 20, 2021

All times are US CDT

10:00 – 11:00 AM CDT

Opening Remarks and Keynotes: Health Equity and Social Justice

Moderator: Kristie Lancaster, PhD, RD, FAHA

- 10:00 AM Opening Remarks
Mitchell S. V. Elkind, MD, MS, FAAN, FAHA, American Heart Association
President
- 10:10 AM Welcome Remarks
Kristie Lancaster, PhD, RD, FAHA, Co-Chair, EPI/Lifestyle Annual
Conference
- 10:15 AM Keynote: The Relationship Between Structural Racism and Poor Health
Olajide Williams, MD, MS
- 10: 35 AM Keynote: Of the People, By the People, For the People: Community-Based
Participatory Research to Promote Cardiovascular Health
LaPrincess C. Brewer, MD, MPH

11:00 -11:15 AM

Break

11:15 AM – 12:15 PM CDT

Concurrent Sessions

Oral Abstract Presentations

02A Health Equity and Social Justice

Moderator: Bertha Hidalgo, PhD

- 1 Perceived Discrimination Is Associated With Abnormal Left Ventricular Structure
And Function: The Hispanic Community Health Study/Study Of Latinos: ECHO-
SOL Ancillary Study
Jonathan Oxman
- 2 Assessing Profiles Of Cardiometabolic Risk Among South Asians Living In The
United States Using A Syndemic Framework And Acculturation
Francisco Alejandro Montiel Ishino, PhD, MPH, CPH

- 3 Neighborhood Characteristics And Arterial Stiffness Among Black Adults - Results From The Jackson Heart Study & Morehouse Emory Center For Health Equity
Shabatun Islam
- 4 Individual And Neighborhood-level Characteristics Eliminates Rural-urban Disparities In Cardiovascular Disease Mortality Among United States Women Diagnosed With Breast And Gynecologic Cancers
Duke Appiah, PhD, MPH
- 5 Violent Crime, Physical Inactivity, And Obesity: Examining Differences In Spatial Relationships By Racial/ethnic Composition Of Community Residents
Chelsea Singleton
- 6 Predictors Of Establishing Outpatient Care Following A Heart Failure Hospitalization In Rural And Urban Dwelling Underserved Populations
Stephen Clarkson, MD
- 7 Rural Southwest County Jail May Not Meet Recommendations For A Heart-healthy Diet During Pregnancy; A Descriptive Study
Ary Spilkin, BS, MPH

2B Cardiovascular Outcomes and Risk Prediction

Moderator: Alvaro Alonso, MD, PhD, FAHA

- 8 Machine Learning For Sudden Cardiac Death Prediction: The Artherosclerosis Risk In Communities Study
Zhi Yu, MB, PhD, Broad Institute of MIT and Harvard, Cambridge, MA
- 9 Incremental Predictive Utility Of Subclinical Disease Measures For Cardiovascular Disease Risk
Rebecca Song, MPH
- 10 Application Of A Lifestyle-based Score To Predict Cardiovascular Risk In African Americans: The Jackson Heart Study
Mercedes Sotos-Prieto
- 11 Cardiovascular Risk Prediction Using Machine Learning In A Large Japanese Cohort
Matthew Matheson
- 12 Association Between Premature Menopause And Lifetime Risk Of Coronary Heart Disease: Lifetime Risk Pooling Project
Priya M. Freaney, MD

13 Trajectories Of Self-rated Health After Hospitalization: A 30 Year Cohort Study
Scott Mu, MD

14 Posttraumatic Stress Disorder, Mental Stress-induced Myocardial Ischemia And
Cardiovascular Outcomes In Patients With CAD
Zakaria Almuwaqqat

2C Diabetes and Obesity

Moderator: Justin B Echouffo Tcheugui, MD

15 Geographic Variation In Pre-pregnancy Cardiometabolic Health In The United
States, 2016-2018
Natalie A Cameron, MD

16 Association Of Fat Mass, Lean Mass, And Waist Circumference With Risk Of Heart
Failure Among Community Dwelling Adults
Ambarish Pandey, MD, MSCS, FAHA

17 Meal Intervals And Weight Trajectories In Adults Using The Daily24 Mobile
Application: A Prospective Cohort Study
Zhao, PhD

18 Diabetes Subgroups And Differential Effects Due To An Intensive Lifestyle
Intervention On Risk For Cardiovascular Disease
Mike Bancks, PhD

19 Modifiable Lifestyle Factors And Plasma Branched Chain Amino Acids: An
Analysis Of N=19,472 US Women
Rikuta Hamaya, MD, MSc

20 C-reactive Protein As A Moderator And Insulin Resistance As A Mediator For The
Association Between Endothelin-1 And Type 2 Diabetes Progression Among
African Americans In The Jackson Heart Study
Xiang Gao, MPH

21 C-reactive Protein Partially Mediates The Inverse Association Between Coffee
Consumption And Risk Of Type 2 Diabetes: Findings From The UK Biobank And
The Rotterdam Studies
Carolina Ochoa-Rosales, PhD

12:15- 12:30 PM

Break

12:30 – 1:30 PM

Concurrent Sessions

Oral Abstract Presentations and Award Lecture

3A David Kritchevsky Memorial Lectureship and Nutrition Abstract Presentations:

Moderator: David R Jacobs, Jr, PhD, FAHA

David Kritchevsky Memorial Lectureship: From Research to Public Health: Nutri-Score a Summary, Graded, Colours-Coded Front-of-Pack Nutrition Label Supported by a Strong Scientific Background and Adopted in Several European Countries

Serge Hercberg MD, PhD

- 22 Plasma Metabolome Related To Plant-based Diets And The Association With Type 2 Diabetes: A Prospective Cohort Study
Fenglei Wang, MSc
- 23 Effects Of Sodium Reduction And The Dash Diet On Subclinical Cardiac Damage: Results From The Dash-Sodium Trial
Stephen Juraschek, MD, PhD
- 24 Effects Of Diet On 10-year Atherosclerotic Cardiovascular Disease Risk Using The Pooled Cohort Equations Risk Calculator: Results From The Dash Trial
Sun Young Jeong, MD, MPH
- 25 Mediterranean Diet Trajectories And Changes In Cardiovascular Risk Factors And Inflammation Markers Over A 12.7 Years Follow-up: Prospective Findings From The Moli-sani Study Cohort
Marialaura Bonaccio, PhD
- 26 Biomarkers Of Dairy Fat Intake Associated With Lower Cardiovascular Disease Risk: A Cohort Study And Meta-analysis
Kathy Trieu, BAppSc (ExSpSc&Nutr), MPH, PhD

3B Novel CVD Risk Factors

Moderator: Deepak Gupta, MD, FAHA

- 27 Individual-level Fine Particulate Air Pollution Is Associated With Arrhythmia In Adolescents
Fan He
- 28 Biomarkers Of Kidney Function And Cognitive Ability: A Mendelian Randomization Study
Erin Richard, PhD, MPH

- 29 Menopause Alters The Gut Microbiome In Hispanic/Latina Women Of The Hispanic Community Health Study/Study Of Latinos (HCHS/SOL), With Implications For Metabolic Syndrome
Brandilyn A. Peters-Samuelson, PhD
- 30 The Association Of Hypnotics With Incident Cardiovascular Disease And Mortality Among Post-menopausal Women With Sleep Disturbances
Adam Haines, BS
- 31 Age-related Homeostatic Dysregulation In Midlife And Physical Function In Late Life: The Atherosclerosis Risk In Communities (aric) Study
Yifei Lu, MHS
- 32 Uninterrupted Sitting Induces Unfavorable Changes In Resting Hemodynamics And Inflammatory And Vascular Biomarkers In Physically Inactive And Active Adults
Megan C. Nelson, PhD
- 33 Epigenetic Clocks And Incident Heart Failure: The Atherosclerosis Risk In Communities (aric)
Steve Nguyen, PhD, MPH

3C Sleep

Moderator: Chandra Jackson, PhD, MS

- 34 A Healthy Lifestyle Score Including Sleep Duration And Risk Of Cardiovascular Disease
Marta Guasch-Ferre, PhD
- 35 Chronic Mild Sleep Restriction Leads To Increased Sedentary Time And Reductions In Physical Activity
Faris M. Zuraikat, PhD
- 36 Sleep Disturbance, Changes In Energy Intakes And Weight Loss During The Diet Interventions: The Pounds Lost Trial
Ang Li, PhD
- 37 History Of Weight Cycling Is Prospectively Associated With Shorter And Poorer Quality Sleep, And Higher Sleep Apnea Risk In Diverse Us Women: Results From The AHA Go Red For Women Strategically Focused Research Network
Vivian Cao, MS
- 38 Cumulative Exposure To Sleep Disordered Breathing From Childhood Through Young Adulthood Is Associated With Impaired Endothelial Function
Julio Fernandez-Mendoza, PhD, DBSM

39 Insomnia And Short Sleep Uniquely Predict Obesity, Hypertension, And Diabetes
Adam P. Knowlden, MBA, PhD

40 Bedscales: Non-Contact Home Health Monitor For Longitudinal
Characterization Of Breathing In Chronic Heart Failure
Claire Zhang

1:30 -1:45 PM

Break

1:45 – 3:45

The National Heart, Lung, and Blood Institute Cardiovascular
Epidemiology, Biostatistics, and Prevention Trainee Session (part 1)

1:45 – 2:15 PM

Moderated Poster Sessions

MPS01 Nutrition and Diet Session 1

Moderator: Deirdre K. Tobias, ScD

MP01 Effect Of The DASH-Sodium Diet On Serum Biomarkers Of Inflammation And
Mineral Metabolism
Valerie K Sullivan

MP02 Diet Quality Comparisons In Hispanic/Latino Siblings And The Role Of Social
And Environmental Determinants: Results From The Hispanic Community
Children's Health Study/Study Of Latino Youth (SOL Youth)
Madison N LeCroy

MP03 The Health And Economic Impact Of Using A Sugar Sweetened Beverage Tax To
Subsidize Fruit And Vegetable Purchase In New York City: A Modeling Study
Zhouyang Lou,

MP04 Taste Perception Profiles Are Associated With Patterns Of Adherence To A
Mediterranean Diet Among Older Adults With Metabolic Syndrome
Julie E Gervis

MP05 Night-to-night Variability In Sleep Duration Is Associated With Higher Energy
Intake And Poorer Diet Quality In The Multi-Ethnic Study Of Atherosclerosis
Faris M Zuraikat

MP06 Healthy Diet Quality Is Associated With Epigenetic Age Deceleration
Youjin Kim

MPS02 Omics
Moderator: Ravi Shah, MD, FAHA

MP07 Metabolic Signature Improves Heart Failure Risk Prediction In Older Adults
Guning Liu

MP08 Whole Exome Sequencing Study Identified A Novel Variant For Kidney Function
And Progression Of Chronic Kidney Disease
Changwei Li

MP09 Untargeted ¹H Nmr Metabolomics Metabolomic Analysis Reveals Pathways Of
Protection Between Mediterranean-style Diet And Incident Cardiovascular
Disease In The Multi-ethnic Study Of Atherosclerosis.
Alexis C Wood

MP10 A Novel Genetic Locus Influences Microvascular Reactivity To Acute
Psychological Stress
Zakaria Almuwaqqat

MP11 Systematic Discovery Of Thousands Of Gene-Environment Interactions For
Cardiometabolic Serum Biomarkers
Kenneth E Westerman

MP12 Proteomic Predictors Of High-density Lipoprotein Cholesterol Response To
Regular Exercise
Jacob L Barber

MPS03 Clinical Trials and Interventions
Moderator: Wayne Rosamond, PhD, FAHA

MP13 Lipid Peroxidation And Inflammatory Response Differentiate With Changes In
Liver Fat Among Obese Latino Youth Following Lifestyle Intervention
Armando Pena

MP14 The Effect Of Time-restricted Feeding On 24-hour Ambulatory Blood Pressure:
Results From The Time-restricted Intake Of Meals (TRIM) Study
Ruth-Alma N Turkson-Ocran

MP15 Promoting Lifestyle Change Via Real-time Feedback: Short-term Weight Loss
Outcomes In The Smarter Trial
Lora E Burke

MP16 A Behavioral Weight-loss Intervention, But Not Metformin, Decreases A Marker
Of Gut Barrier Permeability In Adult Cancer Survivors With Overweight Or
Obesity

Curtis Tilves

MP17 Circulating Sirt1 And Endothelial Function Are Lower, But Are Not Improved By 8-weeks Of Exercise Training, In Young Adult Females With A History Of Adverse Childhood Experiences.
Nathaniel D Jenkins

2:15 – 2:45 PM

Moderated Poster Sessions

MPS04 Social Determinants and Health Disparities
Moderator: TBD

MP18 Association Of Longitudinal Social Determinants Through Young Adulthood With Mid-life Cardiovascular Health: The Coronary Artery Risk Development In Young Adults (CARDIA) Study
Lindsay P. Zimmerman

MP19 Academic-community Partnership To Evaluate The Effectiveness Of The Greater Boston Food Bank's Healthy Pantry Program
Jenny Jia

MP20 Implementation Of Social Determinants Of Health Screening And Referrals In A Medicaid Accountable Care Organization: A Qualitative Study
Jessica McCurley

MP22 Social Isolation, Social Support, And Cognitive Decline: The Atherosclerosis Risk In Communities Study
Albert Liu

MP23 Neighborhood Disadvantage And Oral Anticoagulant Use In Patients With Atrial Fibrillation
Anne M McDermott

MPS05 Brain Health and Aging
Moderator: Priya Palta, PhD, MHSc

MP24 Sedentary Behavior (SB) In Mid-life And Structural Brain Magnetic Resonance Imaging (MRI) Markers Of Cerebrovascular Disease And Neurodegeneration In Late-life: The Atherosclerosis Risk In Communities Neurocognitive Study (ARIC-NCS)
Kelley Pettee Gabriel

MP25 Brain Atrophy And White Matter Injury In Relation To Cardiovascular Risk Factors And Race/ethnicity: The Multi-ethnic Study Of Atherosclerosis
Thomas R Austin

- MP26 Silent Small-vessel Cerebrovascular Disease In Individuals With A Family History Of Coronary Heart Disease: The Atherosclerosis Risk In Communities (ARIC) Study
Michelle C Johansen
- MP27 Changes In Cardiac Structure And Function Over 25 Years Are Associated With Lower Midlife Cognition: The Cardia Study
Laure Rouch
- MP28 Social Isolation, Loneliness, And Cardiovascular Disease Among Older Women In The Women'S Health Initiative
Natalie M. Golaszewski
- MP29 Combined Impact Of Chronic Kidney Disease And Hypertension On Lifetime Risk Of Cardiovascular Disease Death: A Pooled Analysis Of Data From The Evidence For Cardiovascular Prevention From Observational Cohorts In Japan Stud
Yukiko Imai
- MPS06 Heart Failure
 Moderator: Alanna Chamberlain, PhD, FAHA
- MP31 Early Age At Menopause And The Association With Incident Heart Failure In The Southern Community Cohort Study
Mindy Pike
- MP32 The Level Of Adherence To The Dietary Approaches To Stop Hypertension Diet Is Associated With The Severity Of Insulin Resistance Among Community-Dwelling Heart Failure Patients: A National Health And Nutrition Examination Survey Analysis
Yuta Ishikawa
- MP33 Cardiac Structure And Function Phenogroups And Risk Of Incident Heart Failure: Multi-ethnic Study Of Atherosclerosis
Michael M Hammond
- MP34 The Association Between Periodontal Disease And Incident Heart Failure: The Atherosclerosis Risk In Communities Study
Rebecca L Molinsky
- MP35 Association Of Orthostatic Blood Pressure Response With Incident Heart Failure: The Framingham Heart Study
Tara A Shrout

2:45 – 3:45 PM

Networking Tables and Early Career Events

Networking Roundtables:

- RT01 Rural Health
Topic Lead: Suzanne Judd, PhD, FAHA and Vasan Ramachandran, MD, FAHA
- RT02 The Microbiome
Topic Lead: Ryan Demmer, PhD MPH, FAHA and Noel Mueller, PhD
- RT03 Electronic Health Records
Topic Lead: Nrupen Bhavsar, PhD and Laura Rasmussen-Torvik, PhD, FAHA
- RT04 Sleep
Topic Lead: Chandra Jackson, PhD, MS and Kelsie Full, PhD, MPH
- RT05 Ultra Processed food
Topic Lead: Maya Vadiveloo, PhD, RD, FAHA and Niyati Parekh, PhD

2:45 – 3:45 PM

Epidemiology and Prevention Council Early Career Committee Event

(Open to all attendees)

At the Heart of It All: Non-Cardiovascular-Based Cohorts to Address Cardiovascular Research Questions for Early Stage Investigators

Moderator: Sadiya Sana Khan, MD, MSc

Panelists: Ravi Kalhan, MD, Becky McNeil, PhD and Philip Greenland, MD, FAHA

Friday, May 21, 2021

All Times are US CDT

10:00 – 11:00 AM CDT

Opening Session Day 2: Council Awards and COVID Keynotes

Moderator: Pamela Lutsey, PhD, MPH, FAHA

- 10:00 AM Council Awards Presentations
Presented by: Frank Sacks, MD, FAHA, Chair, Council on Epidemiology and Prevention and Cheryl Anderson, PhD, MPH, MS, FAHA, Chair, Council on Lifestyle and Cardiometabolic Health
- 10:10 AM Keynote: COVID-19 and the Cardiovascular System
Scott D. Solomon, MD

10:30 AM Keynote: Disparities Magnified: How Disparities in Cardiovascular Diseases Contributed to the Disproportionate Burden of Severe COVID-19
Mercedes R. Carnethon, PhD, FAHA

11:00 -11:15 AM
Break

11:15 AM – 12:15 PM CDT
Concurrent Sessions
Oral Abstract Presentations

05A COVID and CVD
Moderator: Elizabeth Oelsner, MD

- 41 Cardiovascular Disease, Hypertension, Diabetes And Cystatin C Jointly Predict Covid-19 Mortality Alongside Age, Male Sex And Black Ethnicity
Joshua Elliott, MBBS, MSc
- 42 Do Disparities In Cardiovascular Comorbidities Account For Excess Covid-19 Morbidity And Mortality In African Americans?
Osama Dasa, MD, MP
- 43 Community-level Social Determinants Of Covid19 Mortality In The Chicago Area
Ashwin Sunderraj
- 44 Association Of Cardiovascular Comorbidities With Sars-cov-2 Seropositivity In A Population-based Cohort.
Alexander Ivanov, MD
- 45 Declines In Acute Myocardial Infarction And Stroke Emergency Department Visits Observed During Covid-19 Restrictions In North Carolina
Eugenia Wong
- 46 Characteristics And Outcomes Of In-Hospital Cardiac Arrest Among Patients Diagnosed With COVID-19: A Systematic Review
Hanna Moon, MD
- 47 Using Geospatial Data To Eliminate Disparities In Covid-19 Testing
Gregory W. Heath, DHSc, MPH, FAHA

05B Maternal and Child Health
Moderator: Marie-France Hivert, MD, FAHA

- 48 Disparities In Gestational Diabetes Mellitus Among US- Vs. Foreign-born Women: An Analysis Of 2016-2017 National Health Interview Survey

Michelle Ogunwole MD

- 49 De Novo Postpartum Hypertension In A Safety-net Hospital: Incidence And Risk Factors
Samantha E. Parker, PhD
- 50 Maternal Risk Of Incident Embolism Following Hypertensive Disorders Of Pregnancy Or Pre-pregnancy Hypertension In South Carolina
Angela Malek
- 51 Pre-pregnancy Cardiometabolic Risk Factors, Mediterranean Style Diet, And Risk Of Preeclampsia In The Boston Birth Cohort
Anum Minhas
- 52 Hypertensive Diseases In Pregnancy And Hemodynamic Stress Later In Life
Adebamike Oshunbade
- 53 Association Of Pre-pregnancy Cardiovascular Health With Adverse Maternal And Fetal Outcomes
Michael C. Wang, BA
- 54 Variations In Health Behaviors Among Pregnant Women During The Covid-19 Pandemic
Kara M. Whitaker, PhD, MPH

05C Clinical Epidemiology

Moderator: Anna Kucharska-Newton, PhD

- 55 Racial Disparities In Diabetes And Hypertension-related Mortality Worsened In Rural Areas Compared With Urban Areas From 1999-2018
Rahul Aggarwal, MD
- 56 Alcohol Increases Risk Of Cardiovascular Disease At All Levels Of Intake
Kiran Biddinger
- 57 Beyond Convenience: Video Visits Can Increase The Efficiency Of Preventive Care Delivery
Neil Kalwani, MD, MPP
- 58 Gender Gap In Annual Preventive Care Services In France
Bamba Gaye
- 59 Pre-stroke Physical Activity Is Associated With Lower Mortality Risk After Stroke In The Atherosclerosis Risk In Communities (ARIC) Study
Mauro Mediano, PhD
- 60 Cardiovascular Disease Burden In A Psychiatric Outpatient Population

Radha Dhingra, MD, MPH

- 61 Comparison Of Diagnostic Methods For Diabetes Diagnosis In Patients With Heart Failure: A National Health And Nutrition Examination Survey Analysis
Yuta Ishikawa, MPH, RDN

12:15- 12:30 PM

Break

12:30 – 1:30 PM

Concurrent Sessions

Oral Abstract Presentations

06A Hypertension

Moderator: Jared Magnani, MD, MSc, FAHA

- 62 Global Patterns Of Mean Systolic Blood Pressure Over Three Decades: Results From The Global Burden Of Disease 2019 Study
Saate Shakil, MD
- 63 Racial/Ethnic Differences In Blood Pressure Around The Time Of The 2016 United States General Election
Andrew Hwang, PharmD
- 64 Prevalence, Risk Factors And Cardiovascular Outcomes Associated With Persistent Blood Pressure Control: The Jackson Heart Study
Gabriel S. Tajeu, DrPH, MPH
- 65 Ultra-processed Food And Hypertension Incidence In The Regards Cohort
Carol Oladele
- 66 Association Between Nocturnal Blood Pressure Dipping Magnitude And Chronic Kidney Disease Risk Among Patients With Controlled Office Blood Pressure
So Mi Jemma Cho, PhD, Yonsei University College of Medicine, Seoul, Korea
- 67 Does BP Trajectory Across Childhood Predict Adult HTN? The International Childhood CV Cohorts Consortium
Elaine M. Urbina, MD, MS, FAHA Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio
- 68 Hypertension And Longitudinal Changes In Cardiac Structure And Function In The Hispanic Community Health Study/Study Of Latinos: Echocardiographic Study Of Latinos (Echo-SOL) Ancillary Study
Jennifer McLeod, MD, Montefiore Medical Center, Albert Einstein School of Medicine, Bronx, NY

06B Physical Activity

Moderator: Sarah M. Camhi, PhD, FAHA

- 69 Sporadic Step Accumulation And All-cause Mortality In The Women'S Health Study: Do All Steps Count?
Christopher Moore
- 70 Community-based, Cluster Randomized Controlled Trial Increases Physical Activity In Diverse, Low Income Older Adults Over 2-year Period
Katie Crist, PhD, MPH
- 71 Ten-year Change In Tv Viewing Is Associated With Concurrent Change In Pericardial Adipose Tissue In Middle-aged Adults: The Coronary Artery Risk Development In Young Adults (CARDIA) Study
Minsuk Oh
- 72 Being Mindful Is Associated With Being More Physically Active: A Study Of Stage B Heart Failure Patients
Maira Tristao Parra
- 73 Physical Function And Subsequent Risk Of Cardiovascular Events In Older Adults: The Atherosclerosis Risk In Communities (ARIC) Study
Xiao Hu, MHS Candidate
- 74 Familial Dementia Versus Healthy Lifestyle On The Risk Of Dementia
Angelique Brellenthin
- 75 Differences In Body Composition At Baseline And In Response To Exercise Training By Metabolic Health And Weight Status
Alexis Jones

06C Stamler Award Finalist Presentations

Moderator: Donald M. Lloyd-Jones, MD, ScM, FAHA

- 76 Longitudinal Trajectories And Predictors Of County-level Cardiovascular Mortality In The United States (1980-2014)
Shreya Rao, MD, MPH
- 77 In Utero Exposure To Metal Mixtures And Offspring Blood Pressure: An Analysis Of The Boston Birth Cohort Using Bayesian Kernel Machine Regression
Mingyu Zhang, MHS
- 78 Total Brachial Artery Reactivity And Incident Heart Failure And Heart Failure Sub-types: Multi-ethnic Study Of Atherosclerosis

Daniela Charry, BSPT, MSH

79 Nebivolol Associated With Reduced Incident Cardiovascular Events In Hypertensive Patients Compared With Non-vasodilatory Beta Blockers
Daniel M Huck, MD, MPH

80 A 15-year Cumulative High Exposure to Lean Mass and Blood Pressure but not Fat Mass predicts the 7-year change in Carotid-Femoral Pulse Wave Velocity and Carotid Intima-Media Thickness: The ALSPAC study
Andrew O. Agbaje, MD, MPH

1:30 -1:45 PM

Break

1:45 – 3:45

The National Heart, Lung, and Blood Institute Cardiovascular Epidemiology, Biostatistics, and Prevention Trainee Session (part 2)

1:45 – 2:15 PM

Moderated Poster Sessions

MPS07 COVID

Moderator: Ryan Demmer, PhD, FAHA

MP36 The Development Of A Centralized Recruitment Process For Covid-19 Research: Hopkins Opportunity For Participant Engagement Registry
Oluwabunmi Ogungbe

MP37 Proteomics Analysis Suggests Suppression Of Il-15 Among Individuals At Greater Genetic Risk Of Covid-19-related Respiratory Failure: The Atherosclerosis Risk In Communities Study (ARIC)
Brian Steffen

MP38 Longitudinal Population-Level Changes In Resting Heart Rate During The COVID-19 Pandemic: Impact Of Changes In Sleep, Circadian, And Physical Activity Variables
Michael A. Grandner

MP39 Factors Associated With Adherence To Evidence-based Recommendations For COVID-19 Prevention Among People With Cardiovascular Disease
Esther Adeniran

MP40 Experiences And Beliefs Of Low-income Patients With Hypertension In Louisiana And Mississippi During The COVID-19 Pandemic
Katherine T. Mills

- MP41 Rates Of Acute Myocardial Infarction Around The Covid-19 Pandemic And Comparable Time Periods In 2019 In An Integrated Healthcare Delivery System
Matthew T. Mefford
- MPS08 Maternal and Child CVD Health
Moderator: Nisha Parikh, MD
- MP42 Adherence To Healthy Dietary Patterns In Pregnancy And Placental Dna Methylation- An Epigenome Wide Association Study
Cuilin Zhang
- MP43 Breast Milk-dependent Associations Of Infant Gut Microbiota With Childhood BMI Z Score
Moira K. Differding
- MP44 Adolescent Predictors Of Changes In Weight Status From Adolescence To Adulthood: Evidence From The Addhealth Study
Liliana Aguayo
- MP45 Social Jetlag, Independent Of Other Sleep Characteristics, Is Associated With Obesity-related Outcomes In 9-11-year-old Girls
Simon Higgins
- MP46 The Associations Between Adverse Pregnancy Outcomes And Cardiovascular Delivery Complications: The National Inpatient Sample
Anum Minhas
- MP47 Maternal Trimethylamine-n-oxide Is Associated With Risk Of Gestational Diabetes Mellitus In A Low-income, Urban, Multi-ethnic Population
Kristen L McArthur
- MPS09 Neighborhood and Geographic Factors in CVD
Moderator: Anika Hines, PhD
- MP48 Racial And Urban-rural Disparities In The Frequency Of Ischemic Stroke As First Manifestation Of Atrial Fibrillation
Jingchuan Guo
- MP49 Application Of A Novel Assessment Of County-level Cardiovascular Health Profile And Its Association With County-level Disease Rates
Neil P Rowen
- MP50 Neighborhood Social And Economic Environment And Heart Failure Risk Among Adults With & Without Diabetes: The Reasons For Geographic And Racial Differences In Stroke (regards) Study

Gargya Malla

MP52 Sex Differences In The Association Between Neighborhood Social Vulnerability And Psychological Distress Among Patients With Heart Disease
Samaah Sullivan

2:15 – 2:45 PM

Moderated Poster Sessions

MPS10 Nutrition and Diet Session 2
Moderator: Casey M. Rebholz, PhD, MS, MNSP, MPH, FAHA

MP53 Consumption Of Ultra-processed Food Is Associated With Risk Of Coronary Heart Disease In The Atherosclerosis Risk In Communities Study
Shutong Du

MP54 Retail Soda Purchases Decrease And Water Purchases Increase After Six Years Of A Healthy Beverage Campaign
Marlene B Schwartz

MP55 Red And Processed Meat And Alternative Protein Sources In Relation To Risk Of Fatal Coronary Heart Disease: A Pooled Analysis Of 16 Prospective Cohort Studies
Laila Al-Shaar

MP56 Specific Nutrients Associate Better Than Dietary Approaches To Stop Hypertension Score With Adult Cardiovascular Risk Factors Over 25 Years: The Princeton Lipid Study
Leah Beck

MP57 A South Asian Mediterranean-style Diet Pattern Is Associated With Favorable Measures Of Adiposity And A Lower Risk Of Incident Diabetes: Findings From The Masala Study
Sharan K Rai

MPS11 Hypertension
Moderator: Kathryn Foti, PhD

MP59 Effects Of Sodium Reduction And Weight Loss On Lightheadedness And Falls In Older Adults: Results From TONE
Stephen P Juraschek

MP60 Blood Pressure Variability And Risk Of Heart Failure In Postmenopausal Women. Results From The Women's Health Initiative.
Bernhard Haring

- MP61 Greater Late-life Physical Function Declines Among Older Adults With Higher Blood Pressure In Mid-life: The Atherosclerosis Risk In Communities (ARIC) Study
Laura Skow
- MP62 Longitudinal Measures Of Blood Pressure And Subclinical Atrial Arrhythmias: The Multi-ethnic Study Of Atherosclerosis And The Atherosclerosis Risk In Communities Study
Barbara N Harding
- MP63 Childhood-onset Obstructive Sleep Apnea Is Associated With Increased Risk Of Adolescent Hypertension
Julio Fernandez-Mendoza
- MP64 Higher Visit-to-Visit Blood Pressure Variability In Early And Middle Childhood Is Associated With Higher Blood Pressure In Adolescence
Mingyu Zhang
- MPS12 Novel CVD Risk Factors
Moderator: Joshua Bundy, PhD
- MP65 Transgender Adolescents Have High Prevalence Of Atherosclerotic Cardiovascular Disease Risk Factors Before And After Taking Hormone Therapy For 1 Year
Ambur M Staab
- MP66 Higher Habitual Flavonoid Intakes Are Associated With A Lower Incidence Of Diabetes
Nicola P Bondonno
- MP67 Long-term TV Viewing Is Associated With Grey Matter Brain Volume In Midlife: The Coronary Artery Risk Development In Young Adults (CARDIA) Study
Ryan J Dougherty
- MP68 The Association Of Long-term Air Pollution Exposure With Left Ventricular Structure And Function In The Multi-ethnic Study Of Atherosclerosis
Thomas R Austin
- MP69 A Proteomic Approach For Investigating The Pleiotropic Effects Of Statins In The Atherosclerosis Risk In Communities (ARIC) Study
Bruno Bohn
- MP70 Short-term Fine Particulate Air Pollution Is Associated With Shorter Sleep Duration And Higher Sleep Variability In Adolescents
Fan He

2:45 – 3:45 PM

Networking Tables and Early Career Events

Networking Tables

RT06 Achieving equity in CVD epi (who we study, who leads the studies, the questions we ask, the people we fund, etc.)

Topic Lead: Mahasin Mujahid, PhD, MS, FAHA and Chiadi Ndumele, MD, MHS, PhD

RT07 Pharmacoepidemiology

Topic Lead: Kris Fillion, PhD, FAHA

RT08 Wearables

Topic Lead: Amit Shah, MD, MSCR

RT09 Types of saturated fat and CVH

Topic Lead: Penny Kris-Etherton, PhD, FAHA

RT10 EPIgenetics

Topic Lead: Jim Pankow, PhD, MPH, FAHA

2:45 – 3:45 PM

Lifestyle and Cardiometabolic Health Council Early Career Committee Event

(Open to all attendees)

Designing and Implementing Research Studies to Promote Health Equity and Inclusion

Moderators: Anika Hines, PhD, MPH and Danielle M. Crookes, DrPH

Panelists:

LaPrincess C. Brewer, MD, MPH

Sharon Taverno Ross, PhD

Yvonne Commodore-Mensah, PHD, MHS, RN, FAHA