

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

May 20-21, 2021

2:45- 4:45 pm Eastern/ 1:45 - 3:45 pm Central/ 11:45-2:45 pm Pacific

Zoom Meeting Room: <https://seiservices.zoom.us/j/98802711520>

Presentations will be 10 minutes followed by 5 minutes of discussion

Session I – May 20

Moderators: **James Lash, University of Illinois, Chicago, IL**
Vanessa Xanthakis, Boston University, Boston, MA

(Central Time)

1:45 – 2:00	Lower Physical Function is Associated with Cardiovascular Events and Death in Adults with Chronic Kidney Disease: Findings from the Chronic Renal Insufficiency Cohort (CRIC) Study. Hannan M, Ricardo AC, Brown J, Carmona-Powell E, Hajjiri Z, Meza N, Chen J, Saunders MR, Lash J, University of Illinois, Chicago, IL.
2:00-2:15	Community-based, cluster randomized controlled trial increases physical activity in diverse, low income older adults over 2 year period. Crist K, Fatima Tuz-Zahra F, University of California, San Diego; Full K, University of Minnesota; Jankowska M, Natarajan L, University of California, San Diego.
2:15 – 2:30	Diabetes and the risk of hospitalization with infection. Fang M, Ishigami J, Echouffo-Tcheugui JB, Johns Hopkins University, Baltimore, MD; Lutsey PL; Pankow JS, University of Minnesota, Minneapolis, MN; Selvin E, Johns Hopkins University, Baltimore, MD.
2:30 – 2:45	Anxiety is Associated with Six-year Blood Pressure Change and Incident Hypertension: Findings from the Hispanic Community Health Study/ Study of Latinos. Rosas CE, Pirzada A, Durazo-Arvizu R, University of Illinois, Chicago, IL; Sanchez-Johnsen LAP, Rush University Medical Center, Chicago, IL; Perreira K, University of North Carolina, Chapel Hill, NC; Gallo LC, Talavera GA, San Diego State University, San Diego, CA; Elfassy T, University of Miami, Miami, FL; Wassertheil-Smoller S, Albert Einstein College of Medicine, Bronx, NY; Llabre MM, University of Miami, Miami, FL; Cai J, University of North Carolina, Chapel Hill, NC; Daviglius ML, University of Illinois at Chicago, Chicago, IL.
2:45 – 3:00	Net Worth, Debt Stress, and Ambulatory Blood Pressure in African American Women. Spikes T, Murden R, McKinnon I, Van Dyke M, Bromfield S, Moore R, Booker B, Rahbari-Oskoui F, Quyyumi A, Vaccarino V, Lewis TT, Emory University, Atlanta, GA.
3:00 – 3:15	Neighborhood Concentrated Disadvantage is Not Associated with Short- or Long-Term Family-Based Behavioral Obesity Treatment Response in Children. Davison GM, Grammer AC, Fowler LA, Stein RI, Washington University, St. Louis, MO; Conlon RPK, University of Pittsburgh, Pittsburgh, PA; Balantekin KN, University at Buffalo, Buffalo, NY; Saelens BE, University of Washington, Seattle, WA; Welch RR, Washington University, St. Louis, MO; Perri MG, University of Florida, Gainesville, FL; Epstein LH, University at Buffalo, Buffalo, NY; Wilfley DE, Washington University, St. Louis, MO.
3:15 – 3:30	The Differential Impact of Residential Segregation on Gestational Hypertension Development among Minority Women. Schiff MD, Fabio A, Gary-Webb TL, Mendez DD, University of Pittsburgh, Pittsburgh, PA.
3:30 – 3:45	Association of Cardiovascular Comorbidities with SARS-CoV-2 seropositivity in a Population-Based Cohort. Ivanov A, Annabathula RV, Hammoud A, Zhao DXM, Wake Forest Baptist Medical Center, Winston-Salem, NC; Correa A, University of Mississippi Medical Center, Jackson, MS; Weintraub WS, Medstar Washington Hospital Center, Washington, DC; Herrington DM, Wake Forest Baptist Medical Center, Winston Salem, NC.
3:45	Adjourn Session I

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Session II – May 21

Moderators: Jan Hughes-Austin, University of California, San Diego, CA
Shakia Hardy, University of Alabama, Birmingham, AL

(Central Time)

1:45 – 2:00	Cardiopulmonary outcomes among immunocompromised persons during COVID-19 hospitalization: a multi-center retrospective cohort study. Andersen KM, Mehta HB, Palamuttam N, Ford D, Garibaldi BT, Auwaerter PG, Segal JB, Alexander GC, Johns Hopkins University, Baltimore, MD.
2:00-2:15	Comparative Effectiveness of Direct Oral Anticoagulants versus Warfarin Among Medicare Beneficiaries with Atrial Fibrillation. Ardeshirrouhanifard S, An H, Johns Hopkins University, Baltimore, MD; Goyal RK, University of Houston, Houston, TX; Raji M, University of Texas, Galveston, TX; Alexander C, Mehta HB, Johns Hopkins University, Baltimore, MD.
2:15 – 2:30	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). Steffen BT, Pankow JS, Lutsey PL, Demmer RT, University of Minnesota, Minneapolis, MN; Norby FL, Cowan LT, Jiann Ping-Hsu College of Public Health, Statesboro, GA; Coresh J, Johns Hopkins University, Baltimore, MD; Tang W, University of Minnesota, Minneapolis, MN.
2:30 – 2:45	The Association Between Periodontal Disease and Incident Heart Failure: The Atherosclerosis Risk in Communities Study. Molinsky RL, Norby F, University of Minnesota, Minneapolis, MN; Yu B, University of Texas Health Science Center, Houston, TX; Shah AM, Brigham and Women's Hospital, Boston, MA; Lutsey PL, Pankow J, University of Minnesota, Minneapolis, MN; Ndumele CE, Johns Hopkins University, Baltimore, MD; Papapanou PN, Colombo PC, Yuzefpolskaya M, Columbia University, New York, NY; Beck JD, University Of North Carolina, Chapel Hill, NC; Demmer RT, University of Minnesota, Minneapolis, MN.
2:45 – 3:00	Respiratory Exchange Ratio as a Predictor for Weight Loss on a Low-Carbohydrate versus Low-Fat Diet: A Secondary Analysis of the DIETFITS Trial. Landry MJ, Stayner G, Crimarco A, Gardner CD, Stanford University, Palo Alto, CA.
3:00 – 3:15	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? Al-Shaar L, Penn State University College, Hershey, PA and Harvard University, Boston, MA; Wang M, Willett WC, Smith-Warner S, Harvard University, Boston, MA.
3:15 – 3:30	Social Isolation, Social Support, and Cognitive Decline: the Atherosclerosis Risk in Communities Study. Liu AC; Koton S, Johns Hopkins University, Baltimore, MD; Lutsey PL, University of Minnesota, Minneapolis, MN; Walker KA, , Johns Hopkins University, Baltimore, MD; Palta P, Columbia University, New York, NY; Sharrett AR, Gottesman RF, Gross AL, Johns Hopkins University, Baltimore, MD.
3:30	Adjourn Session II

**National Heart, Lung, and Blood Institute
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Session 1: May 20, 2021

Moderators



Dr. James Lash, MD

is Professor of Medicine and Chief of the Division of Nephrology at the University of Illinois College of Medicine. His research focuses on the epidemiology of chronic kidney disease and interventional trials in the treatment of kidney disease, particularly in racial and ethnic minority populations in the United States. He has particular expertise in evaluating the impact of patient-centered factors and lifestyle on the development and progression of kidney disease. His clinical practice focuses on the treatment of kidney disease and hypertension.



Dr. Vanessa Xanthakis, PhD, FAHA

is an Assistant Professor of Medicine at the Boston University School of Medicine and Assistant Professor of Biostatistics at the Department of Biostatistics of the Boston University School of Public Health. She is also the Director of Research Training at the Boston University Section of Preventive Medicine and Epidemiology. She serves as the Program Director for the T32 Postdoctoral Training Program in Cardiovascular Epidemiology, the R38 PRIMER Program Promoting Research In Medical Residency, and the Framingham Heart Study Pathway Programs at Boston Medical Center and MetroWest Medical Center. My research focuses on heart failure epidemiology and the ideal cardiovascular health.

Presenters



Dr. Mary Hannan, PhD, APRN, AGACNP-BC

is a Postdoctoral Research Fellow at the University of Illinois Chicago in the College of Medicine in the NHLBI T32 Precision Lifestyle Medicine and Translation Research (PREMIER) Postdoctoral Training Program. Dr. Hannan is also funded as a Robert Wood Johnson Foundation Future of Nursing Scholar Postdoctoral Fellow. She has over ten years of experience as a nurse practitioner, primarily working in nephrology. Dr. Hannan's research focuses on physical activity, sedentary behavior, physical function, and frailty in adults with kidney disease. Her long-term goal is to develop physical activity interventions that will improve outcomes for adults with kidney disease.

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Dr. Katie Crist, PhD, MPH

is a Postdoctoral Fellow in UC San Diego's Cardiovascular Disease Epidemiology and Prevention (T32) program. Her research aims to understand causal relationships between behavioral and environmental interventions and health behaviors and outcomes. Her goal is to create communities that support active lifestyles, health equity and climate sustainability.



Dr. Mike Fang, PhD

Is passionate about conducting research that improves the prevention, screening, diagnosis, and management of diabetes. Over the past several years, he has led projects focused on (1) examining the risk of infection in persons with diabetes; (2) characterizing the burden of complications in different populations with diabetes; (3) evaluating diabetes care in older adults; and (4) assessing national trends and disparities in diabetes prevalence and control. To explore these topics, he has analyzed a range of data sources, including large cohort studies and population-based surveys, using an array of descriptive and correlational techniques.



Carlos E. Rosas, M.A.

Carlos is a psychology doctoral candidate and an NHLBI-funded T32 predoctoral fellow at the University of Illinois at Chicago. His research focuses on the role of psychosocial and behavioral factors in health inequities among Hispanics/Latinos. He is also interested in developing evidence-based, behavioral interventions to reduce risky health behaviors. Currently, his dissertation research focuses on the association of depressive symptoms with dietary behaviors and hypertension incidence among Hispanics/Latinos. His long-term goals include extending this line of inquiry to other potential areas for preventive interventions across the lifespan.

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Dr. Telisa Spikes, PhD

is a second-year postdoctoral fellow in the T32 Multidisciplinary Research Training to Reduce Inequalities in Cardiovascular Health (METRIC) in the division of cardiovascular epidemiology at Emory University Rollins School of Public Health. Dr. Spikes' research focuses on the impact that adverse social stressors have on cardiovascular disease risk, specifically hypertension, in young adult African American women, a group that has seen a dramatic increase in cardiovascular disease morbidity and mortality. Dr. Spikes has over a decade of experience as a cardiovascular registered nurse and earned her PhD in nursing from Emory University in Atlanta, Georgia.



Genevieve Davison, MPH

is a graduate student working within the Center for Healthy Weight and Wellness under the mentorship of Denise Wilfley. She received her BA in psychology from Kenyon College in 2012 and an MPH from the Ohio State University in 2014. Her research interests include the etiology, prevention and treatment of eating disorders and obesity as well as the dissemination and implementation of evidence based treatments. She is particularly interested in developing and disseminating treatments geared towards low-income populations.



Mary D. Schiff, MPH

is a fourth-year doctoral student in Epidemiology at the University of Pittsburgh Graduate School of Public Health. She is a second-year predoctoral trainee in Cardiovascular Epidemiology (NHLBI T32 HL083825-12) and an Investigator-in-Training for *the Study of Women's Health Across the Nation (SWAN)*. Her area of interest and current work integrates social, spatial, and causal inference methods to answer questions regarding the role of changing neighborhood conditions on cardiometabolic risk progression across the female life course.

Alexander Ivanov, MD

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Session II: May 21, 2021

Moderators



Dr. Jan Hughes-Austin, MPT, PhD

is an Assistant Professor in the Department of Orthopaedic Surgery at the University of California, San Diego. She is currently the Associate Director of the T32 Training Program in Cardiovascular Epidemiology and Prevention at UC San Diego, where she was a former trainee. Dr. Hughes-Austin's training and background are in physical therapy and epidemiology and her research focuses on cardiovascular disease and bone disease, especially in the settings of autoimmunity and chronic kidney disease. She is the PI of several projects funded

by the National Heart, Lung, and Blood Institute (K01 HL122394, R03 HL146875) and the National Institute on Aging (R01 AG065876) to specifically pursue these topics.



Dr. Shakia T. Hardy, PhD, MPH

is an Assistant Professor in the Department of Epidemiology at the University of Alabama at Birmingham. She earned a doctoral degree in epidemiology from the University of North Carolina at Chapel Hill and completed a post-doctoral fellowship at Emory University. Dr. Hardy's research takes a multi-disciplinary, life course approach to understanding health disparities in cardiovascular disease by examining the impact of lifestyle behaviors and social determinants on cardiovascular health from childhood to late life. She is particularly focused on increasing equity in the prevention and control of hypertension across the life course.

Presenters



Kayte Andersen, MSc

is a third year pharmacoepidemiology PhD candidate at the Johns Hopkins Bloomberg School of Public Health. She holds a Bachelor's Degree in Pharmacology, and a Master's Degree in Pharmacoepidemiology, both from McGill University in Montreal, Canada. Kayte had initially planned to study PCSK9 inhibitors for her doctoral work, but recently made a pivot and instead is working to understand the safety and effectiveness of medications for adults hospitalized with COVID-19.

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Dr. Shirin Ardeshirrouhanifard, PharmD, MPH, PhD

is a postdoctoral fellow at Center for Drug Safety and Effectiveness, Johns Hopkins University where she studies safety, effectiveness, and utilization of medications in individuals with cancer. She holds a Doctor of Pharmacy from Shiraz University of Medical Sciences, and completed MPH (Epidemiology) and PhD in Epidemiology (minor in human genetics) at Indiana University. Before joining Johns Hopkins, she studied adverse health outcomes related to chemotherapeutic agents in long-term cancer survivors using a multi-center cohort study. Her research interests include pharmacoepidemiology and pharmacogenetic epidemiology in cancer survivors

using large datasets.



Dr. Brian Steffen, PhD

earned his Ph.D. in Physiology from the University of Missouri for work in the molecular mechanisms of muscle wasting associated in an acute heart failure model in rodents. Since that time, he has transitioned to prospective cohort research of lipoprotein (a) as well as plasma omega-3 and -6 fatty acids in the Multi-Ethnic Study of Atherosclerosis and the Atherosclerosis Risk in Communities Study. He is currently training in -omics-based research and methods in the ARIC cohort while working toward a Master's degree at the School of Public Health at

the University of Minnesota under Weihong Tang and James Pankow.



Rebecca Molinsky, MPH

is a second-year PhD student in the Division of Epidemiology and Community Health at the University of Minnesota. Her research focuses on the intersection between infectious and chronic diseases, specifically microbial etiology and heart failure. Rebecca has previously conducted research at Columbia University Irving Medical Center, Mount Sinai Icahn School of Medicine, and the Centers for Disease Control and Prevention. Rebecca holds an MPH from Columbia University and a BS in Anthropology and Human Biology from Emory University. Rebecca is

an avid runner who enjoys hiking, reading, and jigsaw puzzles.

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Dr. Matthew J. Landry, PhD, RDN

is a postdoctoral research scholar and registered dietitian nutritionist in the Stanford University Prevention Research Center. He was the 2020-2021 American Society for Nutrition Science Policy Fellow. His current research is focused on examining overall dietary quality and composition of a healthful diet on obesity, metabolic syndrome, and risk factors for chronic diseases and the utilization of novel, dietary interventions as conduits to promote health at the population level. He is committed to working in the advocacy of policies that will address nutrition-related health inequalities and exploring policies that provide equitable access and availability to nutritious foods.



Dr. Laila Al-Shaar MS, MPH, PhD

is an Assistant Professor of Public Health Sciences at Penn State College of Medicine and a Visiting Scientist at Harvard T.H. Chan School of Public Health. She holds a doctorate degree in Population Health Sciences-Nutritional Epidemiology from Harvard University. Her doctorate and post-doctorate research work at Harvard University focused on studying diet and lifestyle factors in relation with cardiovascular diseases. She is a Bernard Lown Scholar in Cardiovascular Health at Harvard T.H. Chan School of Public Health and currently serves as an Epi Early Career Committee Member of the American Heart Association Council of Epidemiology and Prevention



Dr. Albert Chiehyang Liu, MD, MPH, MHS

is a physician and epidemiologist. He received his MD and medical internship training from National Taiwan University (NTU) School of Medicine and NTU hospital, and received an MPH and MHS in epidemiology from Johns Hopkins University Bloomberg School of Public Health. He currently works as a PhD degree-seeking postdoctoral research fellow on Cardiovascular Epidemiology at the University of North Carolina at Chapel Hill Gillings School of Global Public Health. His primary interest lies in the cardiovascular and socioenvironmental (“modifiable”) risk factors of cognitive aging and neurodegeneration.