# OUR MISSION

Improve population health by conducting rigorous research that integrates clinical medicine with public health expertise.

Train the next generation of interdisciplinary researchers and scholars.

# OUR RESEARCH

Understand the etiology of chronic disease and disability.

Develop and evaluate strategies that promote health and prevent disease.

Translate discoveries into clinical practice and health policy.

# OUR CORE VALUES

- INTEGRITY
- DIVERSITY
- COLLEGIALITY
- EXCELLENCE
- INCLUSION
- INNOVATION
- LEADERSHIP
- COLLABORATION
- MENTORING
- RESPECT

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**Table of Contents**

Mission, Research & Core Values | 3
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Message from the Director | 4
Fast Facts about the Welch Center | 6
Remembering Dr. Carlton Haywood, Jr. | 16
Centers & Programs | 17
Community Reach | 23
Global Reach | 24
Evidence-Based Clinical Programs | 26
How Would You Describe the Welch Center? | 28
Training & Education | 29
Leadership Incubator | 30
Core Faculty | 31
Associate Faculty | 32
Impactful Science | 33
COVID & Racism | 34
Kudos | 35
Despite the enormous challenges and disruptions related to the COVID-19 pandemic, the Welch Center has flourished. Since its inception in 1989, it remains a vibrant, intellectually stimulating, and extraordinarily productive academic unit bridging the Schools of Medicine and Public Health at Johns Hopkins. The Welch Center has a well-deserved international reputation for its academic rigor, collaborative environment, and interdisciplinary approach to its twin missions of conducting high quality research and educating trainees.

Over the past few years, Welch Core faculty members have:

- Led an impressive portfolio of research across the spectrum of epidemiologic, clinical, and translational research, including several major programs:
  - the Chronic Kidney Disease Prognosis Consortium
  - the Johns Hopkins Center for Health Equity
  - the Resolve to Save Lives initiative to prevent and control hypertension globally
  - the Alacrity Center for Health and Longevity in Mental Illness
  - the Baltimore Metropolitan Diabetes Regional Partnership
- Translated our research into practice through new clinical programs and community-based initiatives
- Pivoted from our primary focus on chronic diseases to conduct research on the co-occurring pandemics of COVID-19 and structural racism
- Maintained our scholarly productivity, publishing over 350 peer-reviewed articles and receiving > $35 million in research funding in 2020 and again in 2021
- Directed or co-directed ~30 courses, and trained over 100 students each year in the School of Medicine and the Bloomberg School of Public Health
- Produced numerous leaders in academic medicine and public health
- Promoted diversity and inclusion across several dimensions, including race-ethnicity, gender, and scientific disciplines
- Contributed substantively to major NIH-supported, institutional initiatives, including the Institute for Clinical and Translational Research (ICTR), the Patient-Centered Clinical Research Network (PCORnet), and the Trial Innovation Network (TIN).
- Sustained large community-based research programs in the community 

Notwithstanding our success, we have also experienced great sadness. On December 31, 2021, Dr. Carlton Haywood, Jr., a Core Faculty member of the Welch Center, passed away at the age of 45. Carlton was an expert on health services research related to sickle cell disease, a condition to which he ultimately succumbed.

Looking ahead, I remain optimistic. The Welch Center remains a model interdisciplinary unit at Hopkins with a cadre of highly collegial, extraordinarily productive faculty and amazingly bright, talented students and trainees. My goal is to sustain its preeminence.

Lawrence J. Appel, MD, MPH
C. David Molina Professor of Medicine with Joint Appointments in Epidemiology, International Health and Nursing
Director, Welch Center for Prevention, Epidemiology and Clinical Research
Director, ProHealth Clinical Research Unit
Dr. Carlton Haywood, Jr., a beloved colleague and member of the Welch Center and an Assistant Professor in both the Berman Institute of Bioethics and the Division of Hematology in the School of Medicine, passed away at the age of 45. Carlton conducted empirical bioethics and health services research related to sickle cell disease and was interested in the articulation of African American perspectives. Carlton was a true pillar of the Baltimore and Johns Hopkins communities. Carlton will be remembered for his talent, creativity, and selflessness.

CENTERS & PROGRAMS

BRANCATI CENTER

The mission of the Johns Hopkins Brancati Center for the Advancement of Community Care is to improve the health of communities by developing, evaluating, and disseminating new models of healthcare that leverage the skills of a diverse range of healthcare providers. Established in 2014 by a philanthropic gift from Walgreens, the Center is endowed in the name and vision of Dr. Fredrick Brancati, a highly regarded clinician, researcher, and mentor who died at the age of 53 from amyotrophic lateral sclerosis (ALS). In partnership with community organizations, the Brancati Center has established programs focused on diabetes prevention, diabetes self-management, smoking cessation, health screening, and a youth pipeline program. Welch Center faculty include Drs. Jeanne Clark, Executive Director; Tanjala Purnell, Education Director (October 2021-present); Racquel Greer (through September 2023); Nisa Maruthur, Community Program Implementation Director; and Maya Venkataramani, Associate Community Program Implementation Director.

AMERICAN HEART ASSOCIATION OBESITY CENTER

Dr. Jeanne Clark is the Director of this American Heart Association-funded Center which aims to investigate the effects of time-restricted feeding on obesity and cardiometabolic outcomes by conducting basic, clinical, and population-based research; training a cadre of translational researchers focused on obesity and cardiovascular disease; and participating in the American Heart Association's Strategically Focused Research Networks Program with the goal of developing robust new collaborations across already funded Centers, including with the Hopkins Go Red for Women Center. Besides Dr. Clark, Welch Center faculty include Lawrence Appel, Wendy Bennett, Principal Investigator; Eliseo Guallar, Eliseo Guallar, Nisa Maruthur, Principal Investigator; Edgar R. Miller III, Education Director; Di Zhao; and Scott Pilla.
Dr. Josef Coresh serves as the center's Director.

Dr. Lisa Cooper, Kimberly Gudzune, and Dr. Deidra Crews lead the Johns Hopkins Center for Health Equity.

Dr. Deidra Crews serves as the Director.

Dr. Lawrence Appel, Tammy Brady, Lisa Cooper, Kimberly Gudzune, Edgar R. Miller III, Nae-Yuh Wang, Arlene Dalcin, Scott Zeger, Daniel Ford, and Rosa Crum are Welch Center faculty involved.

The ALACRITY Center seeks to speed translation and community partnerships, the Johns Hopkins Institute of Mental Health Advanced Laboratories (18 from the Welch Center) and 25 staff.

The Johns Hopkins Center for Health Equity was established in 2010 with a program project grant from the National Heart, Lung and Blood Institute. The Center promotes equity in health and healthcare for socially at-risk populations through advancing scientific knowledge, educating and training scholars, engaging and partnering with communities, raising public awareness of health inequities, and advocating for changes in clinical practice and policy.

Dr. Gail Daumit serves as the center's Director.

Dr. Lisa Cooper, Kimberly Gudzune, and Dr. Deidra Crews lead the Johns Hopkins Center for Health Equity.

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Dr. Lawrence Appel, Tammy Brady, Lisa Cooper, Kimberly Gudzune, Edgar R. Miller III, Nae-Yuh Wang, Arlene Dalcin, Scott Zeger, Daniel Ford, and Rosa Crum are Welch Center faculty involved.

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WELCH IN THE COMMUNITY

FIVE PLUS NUTS AND BEANS FOR KIDNEYS

HEALTHY FOR TWO

ASPIRE

KANGBUK SAMSUNG HEALTH STUDY

CHRONIC KIDNEY DISEASE PROGNOSIS CONSORTIUM

RESOLVE TO SAVE LIVES

COMMUNITY

GLOBAL
OBESITY HYPERTENSION CLINIC: REVERSING THE NEGATIVE CARDIOVASCULAR EFFECTS OF WEIGHT

The Reversing the Negative Cardiovascular (ReNEW) Clinic is a multidisciplinary pediatric obesity hypertension clinic spearheaded by Dr. Tammy Brady. With the help of a diverse team of medical professionals of varied disciplines, the clinic assesses the progress of patients with obesity-related hypertension as well as screen for respective co-morbidities. Consecutive patients are enrolled in a patient registry that serves as a rich longitudinal database for clinical research.

HEALTHFUL EATING, ACTIVITY & WEIGHT PROGRAM

The Johns Hopkins Healthful Eating, Activity & Weight Program focuses on working with patients to make long-term changes to improve their health and supportive approach to deliver high-quality care. It uses evidence-based tools to help achieve these goals including group and one-on-one counseling to promote a healthful lifestyle; meal replacements; and evaluation for bariatric procedures. The program is led by Dr. Kimberly Gudzune.

BALTIMORE METROPOLITAN DIABETES REGIONAL PARTNERSHIP

The Baltimore Metropolitan Diabetes Regional Partnership (BMDRP) is a joint venture of Johns Hopkins Health System and the University of Maryland Medical Center to address diabetes prevention and management in Baltimore City. The program targets residents in 17 zipcodes within Baltimore City who receive the Centers for Disease Control and Prevention-approved National Diabetes Prevention Program (DPP) based on their risk factors for incident diabetes and the challenges they face due to social determinants of health. In addition to DPP, the BMDRP implements American Diabetes Association approved diabetes self-management training (DSMT) activities in a total of 37 zip codes representing partner hospital service areas in Baltimore City. Services will address the disproportionate diabetes burden among racial/ethnic minorities in each of these geographic regions, including higher diabetes prevalence, ED visits, and mortality rates due to diabetes.

HOW WOULD YOU DESCRIBE THE WELCH CENTER?*

*descriptions from trainees and faculty
No matter their career goals, we instill in our trainees a highly collaborative, interdisciplinary, and intensive work ethic, preparing them for future success.

Welch Center faculty serve as leaders on six training grants funded by the National Institutes of Health. Through various training grants, Welch Center faculty identify and invest in new talent by providing them with the guidance, mentorship, and resources to succeed:

- Johns Hopkins Clinical Research Scholars Program (KL2)
- Predoctoral Clinical Research (TL1)
- Clinical and Cardiovascular Disease Epidemiology (T32)
- Renal Disease Epidemiology (T32)
- Clinical Research and Epidemiology in Diabetes and Endocrinology (T32)
- Behavioral Aspects of Heart and Vascular Diseases (T32)

In the Bloomberg School of Public Health, Welch Center faculty direct three academic concentrations: Clinical and Cardiovascular Disease Epidemiology, Environmental Epidemiology, and Epidemiological and Biostatistical Methods for Public Health and Clinical Research.

In the School of Medicine, our faculty direct several courses for medical students, including: Scholarly Concentration, Clinical Epidemiology, Introduction to Clinical Research, Nutrition TIME course, Renal Pathophysiology, Healthcare Disparities and Cultural Competency, and Health Care Disparities - Refugees.

The Welch Center also hosts eight seminars, journal clubs, and interest groups. Through these interactions, faculty and trainees present and discuss emerging scientific findings and brainstorm new research opportunities:

- Clinical Epidemiology Research in Progress Seminar
- Cardiovascular Disease and Clinical Epidemiology Journal Club
- Welch Center Clinical Research Grand Rounds
- Diabetes and Obesity Interest Group
- Health Equity Research Jam Sessions
- Renal Disease Interest Group
- Methods and Ideas in Cardiovascular Epidemiology Interest Group
- Nutrition and Non-Communicable Diseases Interest Group

The Welch Center serves as a home to a broad spectrum of trainees, including high school and undergraduate students, masters’ and doctoral degree candidates, medical students, post-doctoral fellows, and junior faculty. Our training exposure to rigorous, interdisciplinary research and allows them to develop skills needed to succeed.

The Welch Center also provides opportunities for students to gain foundational skills in epidemiology, biostatistics and clinical trials in a tremendously supportive and collegial environment—the real ‘magic’ of the Welch Center. Much of my skill-building occurred due to peer-to-peer mentorship, as we were all learning together. One of my fondest memories during my time as a trainee was doing a ‘submission dance’ each time one of us submitted a manuscript.

Frances Wang
Incredible - the Welch Center is a unique place to grow and learn, from peers to faculty and to staff, with world-class resources to produce science and become stronger scientists. It’s rare to be in a place with so many talented, passionate, and successful yet humble people - chat with people in the halls, in journal club, and any chance you get.

Josef Coresh
I came to the Welch Center as a kid and stayed. Mentors at the Welch Center gave me the guidance, support and friendships to enjoy doing cool science.

Deidra Crews
My Welch Center training afforded me the opportunity to gain foundational skills in epidemiology, biostatistics and clinical trials in a tremendously supportive and collegial environment—the real ‘magic’ of the Welch Center. Much of my skill-building occurred due to peer-to-peer mentorship, as we were all learning together. One of my fondest memories during my time as a trainee was doing a ‘submission dance’ each time one of us submitted a manuscript.

Mingyu Zhang
My experience as a trainee at the Welch Center was beyond wonderful. I worked with mentors and faculty members who were extremely knowledgeable and deeply rooted in my success; colleagues who were intelligent, collaborative, and fun to work with; and staff members who were kind, supportive, and always trying to create a better environment in the Welch Center.
LEADERSHIP INCUBATOR

DEANS

Paul Whelton
(Tulane University School of Public Health)

Linda Fried*
(Columbia University School of Public Health)

Michael Klag
(Johns Hopkins Bloomberg School of Public Health)

Cheryl Anderson*
(University of California San Diego School of Public Health)

Ebony Boulware*
(Wake Forest University School of Medicine)

LEADERSHIP BEYOND HOPKINS

Neil Powe*
(Vice-Chair of Medicine at University of California San Francisco)

Sue Furth*
(Chief Scientific Officer and Executive Vice President at Children's Hospital of Philadelphia)

Rebecca Gottesman*
(Chief of Stroke Branch, National Institute of Neurological Disorders and Stroke)

Felicia Hill-Briggs*
(Vice President for Prevention at Northwell Health)

Rulan Parekh*
(Vice President Academics, Division Director, Adult Nephrology, Women's College Hospital)

Jiang He*
(Joseph S. Copes Chair and Professor of Epidemiology & Director of Tulane University Translational Science Institute)

*Currently Holds Position

LEADERSHIP AT HOPKINS

Michael Klag
Daniel Ford
Gail Daumit*
(Vice Deans for Clinical Investigation)

Sherita H. Golden*
(Vice President & Chief Diversity Officer of Medicine)

Lisa Cooper*
(Director of Urban Health Institute)

Tammy Brady*
(Vice Chair for Clinical Research, Pediatrics)

Deidra C. Crews
(Associate Vice-Chair for Diversity and Inclusion)

Fred Brancati
Janne Clarke*
(Director, General Internal Medicine)

WELCH CENTER LEADERSHIP

Lawrence J. Appel, MD, MPH
Director, Welch Center
C. David Molina Professor of Medicine
Director, ProHealth Clinical Research Unit

Research Interests: prevention and control of elevated blood pressure and its cardiovascular and kidney disease consequences; lifestyle modification and behavior change

Tammy Brady, MD, PhD
A associate Director (2022-present), Welch Center
Vice Chair for Clinical Research, Department of Pediatrics
Associate Professor of Pediatrics, Division of Pediatric Nephrology

Research Interests: pediatric hypertension, cardiovascular disease, chronic kidney disease in children, obesity, blood pressure measurement

Kimberly Gudzune, MD, MPH
A associate Director (2021-2022), Welch Center
A associate Professor of Medicine
Director, Healthful Eating, Activity & Weight Program

Research Interests: influence of obesity on the healthcare experience; lifestyle modification and health behavior among populations at risk for cardiovascular disease and obesity; translation of behavioral interventions into clinical practice and community settings

Hsin-Chieh “Jessica” Yeh, PhD
A associate Director (2016-2020), Welch Center
A associate Professor of Medicine

Research Interests: clinical trials of lifestyle intervention; epidemiology of obesity and diabetes, and their relationship with cancer

WELCH CENTER CORE FACULTY

Shoshana H. Ballew, PhD
Associate Scientist, Department of Epidemiology

Research Interests: chronic kidney disease, cardiovascular disease, aging

Mary Catherine Beach, MD, MPH
Professor of Medicine
Core Faculty, Berman Institute of Bioethics
Core Faculty, Center for Health Equity
Director, Office of Medical Student Research & Scholarship

Research Interests: health care equity for underserved populations; patient-clinician communication; sickle-cell disease; HIV and substance abuse; bioethics; respect
Wendy Bennett, MD, MPH
Associate Professor of Medicine
Director of Research, Johns Hopkins Community Physicians
Co-Director, The Johns Hopkins Center for Woman's Health, Sex & Gender Research
Research Interests: lifestyle and health behavior change in pregnancy to promote healthy weight gain, and prevent adverse pregnancy outcomes and future chronic disease

Kathryn A. Carson, ScM
Senior Research Associate, Department of Epidemiology
Associate Director, Methods & Shared Resources Center for Health Equity
Research Interests: design and analysis of clinical trials; disparities research; cardiovascular disease and hypertension

Jeanne M. Clark, MD, MPH
“Frederick L. Brancati, M.D.” Professor of Medicine
Director, Division of General Internal Medicine
Executive Director, Johns Hopkins Brancati Center for the Advancement of Community Care
Research Interests: obesity; diabetes mellitus; nonalcoholic fatty liver disease

Lisa A. Cooper, MD, MPH
Professor of Medicine
James F. Fries Professor of Medicine
Bloomberg Distinguished Professor, Equity in Health & Healthcare
Director, Johns Hopkins Center for Health Equity
Research Interests: patient-centered, community-engaged interventions to reduce health disparities and improve health outcomes among socially disadvantaged populations

Josef Coresh, MD, MPH
Professor of Epidemiology
George W. Comstock Professor
Director, George W. Comstock Center for Public Health Research & Prevention
Research Interests: vascular disease in the heart, brain and kidney using cohort studies to understand risk factors and biomarkers that can guide prevention of cardiovascular disease and kidney disease

Deidra C. Crews, MD, ScM
Professor of Medicine
Deputy Director, Johns Hopkins Center for Health Equity
Research Interests: kidney disease; hypertension; health equity; social determinants of health; nutrition; older adults

Rosa Crum, MD, MHS
Professor of Epidemiology and Medicine
Associate Director, Johns Hopkins Clinical Research Scholars Program
Research Interests: psychiatric disorders; mental illness; alcohol and substance use disorders

Gail L. Daumit, MD, MHS
Samsung Professor of Medicine
Vice Dean, Clinical Investigation
Director, Johns Hopkins ALACRITY Center for Health & Longevity in Mental Illness
Research Interests: cardiovascular disease risk and premature mortality in persons with mental illness; lifestyle and health behavior interventions, health services research, implementation science, patient safety

Daniel Ford, MD, MPH
David M. Levine Professor of Medicine
Director, Johns Hopkins Institute for Clinical & Translational Research
Research Interests: pragmatic clinical trials; clinical research informatics; smoking cessation; improving efficiency and quality of clinical trials

Sherita H. Golden, MD, MHS
Professor of Medicine
Hugh P. McCormick Family Professor of Endocrinology & Metabolism
Vice President and Chief Diversity Officer, Johns Hopkins Medicine
Research Interests: diabetes mellitus; cardiovascular disease and endocrine epidemiology; inpatient diabetes health services research; mental health complications of diabetes; health disparities

Rebecca F. Gottesman, MD, PhD
Professor of Neurology
[current position: Stroke Branch Chief, National Institute of Neurological Disorders and Stroke Intramural Research Program]
Research Interests: vascular contributions to cognitive impairment and dementia; cognitive consequences of stroke; cognitive deficits in congestive heart failure and other cardiac diseases

Morgan Grams, MD, PhD
Professor of Medicine
[current position: Susan and Morris Mark Professor of Medicine & Co-Director, Division of Precision Medicine, New York University]
Research Interests: kidney disease; integrative omics; precision pathology; pharmacoepidemiology risk; risk estimation
**Racquel C. Greer, MD, MHS**  
Associate Professor of Medicine  
[current position: Program Director, Division of Kidney, Urologic & Hematologic Diseases, NIDDK]  
Education Director, Johns Hopkins Brancati Center for the Advancement of Community Care  
Research Interests: health care quality and health equity among persons with chronic kidney disease and chronic kidney disease risk factors, including hypertension and diabetes; patient-physician communication; care coordination

**Eliseo Guallar, MD, DrPH**  
Professor of Epidemiology  
Director, Environmental Epidemiology Track  
Co-Director, PhD Program in Epidemiology  
Adjunct Professor, Department of Clinical Research Design & Evaluation, Samsung Advanced Institute for Health Sciences & Technology (SAIHEST), Sungkyunkwan University  
Deputy Editor, Statistics, Annals of Internal Medicine  
Research Interests: cardiovascular disease and chronic disease epidemiology; environmental risk factors for chronic diseases; nutritional epidemiology

**Felicia Hill-Briggs, PhD**  
Professor of Medicine  
[current position: Vice President, Prevention, and Simons Distinguished Chair in Clinical Research, Northwell Health]  
Senior Director, Population Health Research & Development, Johns Hopkins HealthCare  
Research Interests: prevention and self-management of diabetes, cardiovascular disease, chronic kidney disease; health equity; population health improvement and management; global health

**Junichi Ishigami, MD**  
Assistant Scientist, Department of Epidemiology  
Research Interests: chronic kidney disease; cardiovascular disease; cardiorenal syndrome; infectious disease; vaccination

**Michael J. Klag, MD, MPH**  
Dean Emeritus, Johns Hopkins Bloomberg School of Public Health  
Second Century Distinguished Professor  
Professor of Epidemiology  
Research Interests: hypertension; renal failure; precursors study; kidney disease; cardiovascular; epidemiology; genetic markers; health policy and management

**Nisa M. Maruthur, MD, MHS**  
Associate Professor of Medicine  
Director, General Internal Medicine Fellowship Program  
Director of Community Program Implementation, Johns Hopkins Brancati Center for the Advancement of Community Care  
Research Interests: diabetes prevention; type 2 diabetes; obesity; clinical trials

**Kunihiro Matsushita, MD, PhD**  
Professor of Epidemiology  
Research Interests: peripheral vascular disease, cardiovascular disease, kidney disease, hypertension, obesity and diabetes

**Edgar R. Miller III, MD, PhD**  
Professor of Medicine  
Deputy Director, Johns Hopkins Institute for Clinical & Translational Science  
Director, Clinical Research Scholars Program (KL-2)  
Research Interests: hypertension; kidney disease; nutrition

**Noel Mueller, PhD**  
Associate Professor of Epidemiology  
Research Interests: microbiome, nutrition, life-course and environmental epidemiology; pregnancy outcomes; placenta; prevention of obesity, non-alcoholic fatty liver disease, diabetes mellitus, hypertension and cardiovascular disease

**Scott J. Pilla, MD, MHS**  
Assistant Professor of Medicine  
Research Interests: diabetes; hypoglycemia prevention; patient-physician communication; clinical trials

**Craig Pollack, MD, MHS**  
Katey Ayers Endowed Professor of Health Policy & Management  
Associate Chair, Department of Health Policy & Management  
Research Interests: social determinants of health with a focus on housing policy and neighborhood context; cancer health services research

**Tanjala S. Purnell, PhD, MPH**  
Assistant Professor of Epidemiology  
Director, Community & Stakeholder Engagement for the Epidemiology Research Group in Organ Transplantation  
Research Interests: epidemiology and health services research related to kidney disease transplantation; health equity; cardiovascular disease; hypertension; obesity; and diabetes
Casey Rebholz, PhD, MS, MNSP, MPH
Associate Professor of Epidemiology
Research Interests: cardiovascular disease and hypertension; kidney disease biomarkers; omics; nutrition

Elizabeth Selvin, PhD, MPH
Professor of Epidemiology
Director, Cardiovascular & Clinical Epidemiology Track
Research Interests: type 2 diabetes and cardiovascular disease; diagnostics and biomarkers for screening and diagnosis of diabetes and cardiovascular disease; optimizing approaches to screening and management of prediabetes; interface of epidemiology and clinical and public health policy; wearable devices; continuous glucose monitoring

Jung-Im Shin, MD, PhD
Assistant Professor of Epidemiology
Research Interests: pharmacoepidemiology; diabetes mellitus; chronic kidney disease; health disparities; cardiovascular disease

Eva Tseng, MD, MPH
Assistant Professor of Medicine
Research Interests: prevention and treatment of diabetes, obesity, and related conditions; translation of evidence-based care into clinical practice through pragmatic intervention studies

Maya Venkataramani, MD, MPH
Assistant Professor of Medicine
Associate Director, Community Program Implementation, Johns Hopkins Brancati Center for the Advancement of Community Care
Research Interests: improving the delivery of primary care and preventive services to underserved and low-income communities through family-oriented, community-based approaches and studying the impacts of health-related policies across generations

Nae-Yuh Wang, PhD, MS
Assistant Professor of Medicine
Director, Childhood Development After Cochlear Implementation Study Data Coordinating Center
Research Interests: childhood development after pediatric cochlear implantation; improving health in people with mental illness; preventing postoperative delirium in surgical patients; evaluation of vestibular implantation for Bilateral Vestibular Hypofunction; lifestyle and health behavior interventions for proper body weight in pregnancy and among cancer survivors

Hanan J. Aboumatar, MD, MPH
Michael J. Blaha, MD, MPH
Todd T. Brown, MD, MPH
Jeanne Charleston, PhD
Teresa K. Chen, MD, MHS
Yvonne Commodore-Mensah, PhD, MHS, RN
Janelle W. Coughlin, PhD
Arlene T. Dalein, MD, RN, LD
Jennifer A. Deal, MHS, PhD
Jennifer L. Dodson, MD
Justin B. Echouo Tcheugui, MD, MPhil, PhD
Jerey J. Fadrowski, MD, MHS
Michael Fang, PhD
Joseph Gallo, MD
Allan C. Gelber, MD, MHPH, PhD
John Groopman, PhD
Alden L. Gross, PhD
Marc K. Halushka, MD, PhD
Megan Henry, PhD
Caitlin Hicks, MD, MS
Daniel Hindman, MD, MPH
Chidinma Ihe, PhD
Bernard G. Jaar, MD
Michelle C. Johansen, MD
Rita R. Kalyani, MD, MHS
Hyunju Kim, PhD
Frank R. Lin, MD, PhD
Sheela N. Magge, MD, MSCE
Matti Marklund, PhD
Seth S. Martin, MD, MHS

Lena M. Matthews, MD
Mara McAdams-DeMarco, MS, PhD
Emma Beth McGinty, PhD
Erin D. Michos, MD, MHS
Christine Mitchell, ScM
Yejin Mok, PhD
Karly Murphy, MD, MHS, MSc
Dinesh Neupane, PhD
Chiadi Ndumele, MD, MHS
S. Michelle Ogunwole, MD
Chirag R. Parikh, MBBS, PhD
Eliana M. Perrin, MD, MPH, FAAP

Elizabeth A. Platz, MPH, ScD
Wendy S. Post, MD, MS
James S. Potter, BS
Mary Rooney, PhD
Somnath Saha, MD, MHPH
Yingying Sang, MS
Jennifer A. Schrack, PhD, MS
Jodi B. Segal, MD, MHPH
Dorry Segev, MD, PhD
A. Richey Sharrett, MD
Alfred Sommer, MD, MHS
Aditya L. Surapaneni, PhD
Steven Sozio, MD, MHS
Myoses Szklo MD, MPH
Rachel J. Thornton, MD, PhD
Keenan A. Walker, PhD
Mark Woodward, PhD
Jeremy Hunter Young, MD, MHS

Di hao, PhD
<table>
<thead>
<tr>
<th>Impactful Science</th>
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<tbody>
<tr>
<td>Shoshana H. Ballew, Josef Coresh</td>
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<tr>
<td>PMID: 32061315</td>
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<td>New Creatine- and Cystatin C-based equations to Estimate GFR without Race</td>
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<td>New England Journal of Medicine</td>
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<tr>
<td>Josef Coresh, Deidra C. Crews, Morgan E. Grams, Elizabeth Selvin</td>
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<td>PMID: 34554658</td>
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<td>Heart Disease and Stroke Statistics - 2020 Update: A Report From the American Heart Association</td>
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<td>Circulation</td>
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<td>Kunihiro Matsushita</td>
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<td>PMID: 31992061</td>
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<tr>
<td>Prospective Study of Outcomes in Adults with Nonalcoholic Fatty Liver Disease</td>
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<td>New England Journal of Medicine</td>
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<tr>
<td>Jeanne Clark</td>
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<td>PMID: 34670043</td>
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<td>COVID-19 and Health Equity - A New Kind of “Herd Immunity”</td>
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<td>Journal of the American Medical Association</td>
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<tr>
<td>Lisa Cooper*</td>
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<tr>
<td>PMID: 32391852</td>
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<tr>
<td>Trends in Diabetes Treatment and Control in U.S. Adults, 1999-2018</td>
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<td>New England Journal of Medicine</td>
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<td>Michael Fang*, Josef Coresh, Elizabeth Selvin*</td>
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<td>Effect of a Comprehensive Cardiovascular Risk Reduction Intervention in Persons with Serious Mental Illness: A Randomized Clinical Trial</td>
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<td>PMID: 32530472</td>
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<td>Temporal Trends in Stroke Thrombolysis in the US by Race and Ethnicity, 2009-2018</td>
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<td>Journal of the American Medical Association</td>
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<td>Kimberly Gudzune*</td>
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<td>PMID: 33913637</td>
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<td>Effects of the Dietary Approaches to Stop Hypertension Diet and Sodium Reduction on Blood Pressure in Persons with Diabetes</td>
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<td>Eva Tseng*, Lawrence J. Appel, Jessica Yeh, Scott J. Pilla, Edgar R. Miller, III, Nisa M. Marathur*</td>
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<td>PMID: 33342238</td>
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<td>Undocumented U.S. Immigrants and COVID-19</td>
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<td>New England Journal of Medicine</td>
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<td>Maya Venkataramani</td>
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<td>PMID: 32220207</td>
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<td>Metformin Affects Gut Microbiome Composition and Function and Circulating Short-Chain Fatty Acids: A Randomized Trial</td>
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<td>Noel T. Mueller*, Nisa M. Marathur, Edgar R. Miller, III, Lawrence J. Appel, Jessica Yeh*</td>
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<td>PMID: 34006565</td>
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<td>Intensive Weight Loss Intervention and Cancer Risk in Adults with Type 2 Diabetes: Analysis of the Look AHEAD Randomized Clinical Trial</td>
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<td>Jessica Yeh*, Jeanne M. Clark</td>
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<td>PMID: 32841523</td>
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<td>Higher Ultra-Processed Food Consumption is Associated with Increased Risk of Incident Coronary Artery Disease in the Atherosclerosis Risk in Communities Study</td>
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<td>Hyunju Kim, Casey M. Rehbolz*</td>
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<td>PMID: 34494108</td>
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<td>2021 Dietary Guidance to Improve Cardiovascular Health: A Scientific Statement From the American Heart Association</td>
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<td>Lawrence J. Appel*, Casey M. Rehbolz</td>
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<td>PMID: 34724806</td>
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In 2020, the Welch Center faculty pivoted to address the COVID pandemic, which exacerbated longstanding health disparities that plague our community and country. Below is a sample of publications on these topics, both original research and opinion pieces. For each paper, we only indicate Welch Center co-authors and identify lead and senior Welch Center co-authors with an asterisk (*).

**PANDEMIC RESPONSE: COVID & RACISM**

**The Relationship of COVID-19 Severity with Cardiovascular Disease and its Traditional Risk Factors: A Systematic Review and Meta-Analysis** || *Global Heart*
Kunihiro Matsushita*, Junichi Ishigami, Lawrence J. Appel*
PMID: 33150129

**The Riyadh Declaration: The Role of Digital Health in Fighting Pandemics**
The Lancet
Michael Klag
PMID: 32976771

**ACE2 (Angiotensin-Converting Enzyme 2), COVID-19, and ACE Inhibitor and Ang II (Angiotensin II) Receptor Blocker Use During the Pandemic: The Pediatric Perspective** || *Hypertension*
Tammy Brady
PMID: 32367746

**Excess Deaths from COVID-19, Community Bereavement, and Restorative Justice for Communities of Color** || *Journal of the American Medical Association*
Lisa Cooper*
PMID: 33044518

**COVID-19, Racism, and Racial Disparities in Kidney Disease: Galvanizing the Kidney Community Response** || *Journal of the American Society of Nephrology*
Deidra C. Crews*, Tanjala S. Purnell*
PMID: 32660968

**The Contribution of Structural Racism to Metabolic Health Disparities in the USA**
The Lancet Diabetes and Endocrinology
Sherita H. Golden*
PMID: 34216542

**Systemic Kidney Transplant Inequities for Black Individuals: Examining the Contribution of Racialized Kidney Function Estimating Equations** || *JAMA Network Open*
Tanjala S. Purnell
PMID: 33443577

**At the Heart of the Matter: Unmasking and Addressing the Toll of COVID-19 on Diverse Populations** || *Circulation*
Lisa Cooper
PMID: 32364762

**Association Between Housing Insecurity, Psychological Distress, and Self-Rated Health Among US Adults During the COVID-19 Pandemic** || *JAMA Network Open*
Craig E. Pollack*
PMID: 34591109

**Messages to Increase COVID-19 Knowledge in Communities of Color: What Matters Most?** || *Annals of Internal Medicine*
Lisa Cooper*
PMID: 33347319

**Variation in State-Level Eviction Moratorium Protections and Mental Health Among US Adults During the COVID-19 Pandemic** || *JAMA Network Open*
Craig E. Pollack
PMID: 34919134

**Reversing the Tide of Racial and Ethnic Disparities in Excess Deaths During the COVID-19 Pandemic** || *Annals of Internal Medicine*
Yvonne Commodore-Mensah*, Lisa A. Cooper*
PMID: 34606318

**The Importance of Offering Vaccine Choice in the Fight Against COVID-19**
Proceedings of the National Academy of Sciences of the United States of America
Sherita H. Golden
PMID: 34670839

**Associations Between Governor Political Affiliation and COVID-19 Cases, Deaths, and Testing in the U.S.** || *American Journal of Preventive Medicine*
Noel T. Mueller
PMID: 33775513

**To Solve Racial and Ethnic Disparities in COVID-19 Outcomes, Look Upstream for Solutions**
Circulation
Yvonne Commodore-Mensah*, Deidra C. Crews*
PMID: 34125561

**Approaching the COVID-19 Pandemic in Response with a Health Equity Lens: A Framework for Academic Health Systems** || *Academic Medicine*
Sherita H. Golden*, Felicia Hill-Briggs*
PMID: 34705750

**The Role of Masks in Mitigating the SARS-CoV-2 Pandemic: Another Piece of the Puzzle** || *Annals of Internal Medicine*
Eliseo Guallar*
PMID: 33205993
Lawrence Appel
Web of Science Most Highly Cited Researchers
Acknowledgement for Excellence in Teaching at the Johns Hopkins Bloomberg School of Public Health

Mary Catherine Beach
Elected Fellow in the Hastings Center for Bioethics

Tammy Brady
Appointed Chair for Clinical Research in the Department of Pediatrics at Johns Hopkins

Lisa Cooper
Appointed Director of Johns Hopkins Urban Health Institute

Josef Coresh
Belding H. Scribner Lifetime Achievement Award from the American Society of Nephrology

Deidra Crews
Promoted to Professor at Johns Hopkins School of Medicine

Gail Daumit
Appointed Vice Dean for Clinical Investigation at the Johns Hopkins School of Medicine

Sherita Golden
Elected to the American Society for Clinical Investigation

Morgan Grans
SUSAN AND MORRIS MARLENDOWENDROFPROFESSORSHIP AT NYU

Eliana Guallar
Acknowledgement for Excellence in Teaching at the Johns Hopkins Bloomberg School of Public Health

Kimberly Guzeman
Appointed Medical Director of American Board of Obesity Medicine

Felicia Hill-Briggs
SIMS Distinguished Chair in Clinical Research, Donald and Barbara Zucker School of Medicine

Kunihiro Matsushita
World Heart Federation Award for Best Heart Paper

Noel Mueller
Promoted to Associate Professor at the Johns Hopkins Bloomberg School of Public Health

Craig Pollack
Acknowledgement for Excellence in Teaching at the Johns Hopkins Bloomberg School of Public Health

Elizabeth Selvin
Kelly West Award for Outstanding Achievement in Epidemiology from the American Diabetes Association

Maya Venkataramani
Finalist, Top Oral Abstract in Health Equity, Society of General Internal Medicine Annual Meeting

Jessica Yeh
Acknowledgement for Excellence in Teaching at the Johns Hopkins Bloomberg School of Public Health

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