

**GWSPH RESEARCH DAY PRIZE WINNERS**
*The Milken Institute School of Public Health Office Of Research Excellence*

Name	Department	Abstract Title	Poster No.
<b>Undergraduate Research</b>			
Nikhil Ahuja	Public Health	Prevalence of Generalized Joint Hypermobility and Its Association with Gastrointestinal Symptoms in a College Population	35
Jordyn Walters	Exercise and Nutrition Sciences	Characterizing Obesity Phenotypes through Fitness and Metabolic Markers in Women	25
<b>Master's Research</b>			
Alia Jamil	Environmental and Occupational Health	Natural Disasters and Disruption to Continuity of Care: A Systematic Review	59
Angel Sun	Environmental and Occupational Health	Effects of Maternal Bisphenol and Phthalate Exposure on Congenital Anomalies in Children: A Systematic Review	64
<b>Doctoral Research</b>			
Cynthia G. Lorang	Global Health	Humoral Immune Signatures as Surrogates of Functional Neutralization for Flavivirus Classification in Co-circulation Settings	160
Christine St. Pierre	Exercise and Nutrition Sciences	The Food Literacy BITE Scale: Development and measurement properties in elementary schoolchildren	157
<b>Staff, Alumni and Postdoctoral Research</b>			
Sara Luckenbill	Global Health	Marriage timing and reproductive autonomy in crisis-affected contexts: examining inequalities among adolescents in Bangladesh and Jordan	260
Jenny Hernandez	Prevention and Community Health	Awareness, Knowledge and Perceptions of Undetectable Equals Untransmittable (U=U) Among Latina Transgender Women in DC: A Longitudinal Mixed-Methods Study	244
<b>Lab Based Research Category</b>			
Ashley Bastin	Biostatistics and Bioinformatics	The Role of Nef-containing Extracellular Vesicles in the Induction of Neuroglial Trained Immunity	233
Jahred Liddie	Environmental and Occupational Health	Trifluoroacetic Acid Exceeds All Other Extractable Organofluorine in Drinking Water from Eastern Massachusetts, United States	242

**OTHER PRIZE WINNERS**
**The Milken Doctoral Student Association Prize**

*One DrPH and one PhD Research Day presenter each receive a \$600 conference registration.*

Name	Department	Abstract Title	Poster No.
Bhakthi Sahgal	Doctor of Public Health	Attitudes, Beliefs, and Perceptions of Healthcare Providers on AI-Assisted Digital Health Interventions for Oncofertility Education	155
Yangjing (Bella) Xu	Health Policy and Management	The Price of Insurer Consolidation: How Reduced Competition Inflates Bids and Squeezes Rebates in Medicare Advantage	215

**The Southby Research Prize**

*Dean and Distinguished Professor of Global Health Emeritus [Richard Southby](#) and Dr. Janet Southby*

Name	Department	Abstract Title	Poster No.
<b>Undergraduate Research</b>			
Kamran Mattu	Exercise and Nutrition Sciences	5-Times Sit-to-Stand Performance Related to Intra-Trial Decrements in Time-to Peak-Force in Older Adults	26
<b>Master's Research</b>			
Bereket Admasu	Biostatistics and Bioinformatics	The Missing Piece in the Global Fight Against Antimicrobial Resistance: Lessons from Superbugs at a Tertiary Hospital in Ethiopia	72
<b>Doctoral Research</b>			
Fatima Waseem	Global Health	When Trust Fails: A System Dynamics Analysis of Tap Water Avoidance and Sugary Drink Substitution in Puerto Rico	168
<b>Staff, Alumni and Postdoctoral Research</b>			
Tucker Harju	Global Health	Pfs230-D1M and D7D8 Represent Viable Immunogenic Targets for Malaria Vaccine Development	262

**The Biostatistics & Bioinformatics Prize**
[\*The Department of Biostatistics & Bioinformatics\*](#)

Name	Department	Abstract Title	Poster No.
<b>Undergraduate Research</b>			
Sasha Winnett	Biostatistics and Bioinformatics	Cuban Travel Cases Drive Local Dengue Virus Serotype 3 Transmission in Florida: Phylogenetic and Genome Conservation Analyses of Recent Outbreaks	45
<b>Master's Research</b>			
Nicole Wen	Biostatistics and Bioinformatics	Assessing Differences in Physician Assistant Program Admissions: Observing the Influence of Demographic Characteristics on Likelihood of Acceptance	124
Yajie Li	Biostatistics and Bioinformatics	Development of piRNA-Based Models for Detecting Acute Cellular and Antibody-Mediated Rejection After Heart Transplantation	143
<b>Doctoral Research</b>			
Kexin Fu	Biostatistics and Bioinformatics	Functional Regression-Based Multiple Imputation for Mixed Missing Scalar and Functional Data	176
Matthew Mollerus	Biostatistics and Bioinformatics	Covariate Shift Robust Uncertainty Metrics for Cell Type Annotation	183

**Climate and Health Research Prize**
[\*GW Climate and Health Institute and The Sumner M. Redstone Global Center for Prevention and Wellness\*](#)

Name	Department	Abstract Title	Poster No.
<b>Undergraduate Research</b>			
Paul Gael Gomez	Public Health	Public Knowledge of Data Centers, Public Health Impacts and the Effects of Education	36
Aarohi Khamar	Exercise and Nutrition Sciences	Linking Climate Indicators to Laboratory Surveillance: Evidence from Ethiopian Hospitals	1
<b>Graduate Research</b>			
Katherine O'Brien	Environmental and Occupational Health	Examining Changes in the Incidence of Acute Gastrointestinal Illness in North Carolina Following Hurricane Helene	175

Alia Jamil	Environmental and Occupational Health	Natural Disasters and Disruption to Continuity of Care: A Systematic Review	59
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**Staff, Alumni and Postdoctoral Research**

Jordi Fischbach	Environmental and Occupational Health	The Cost of Repeal: Climate-Related Public Health and Economic Impacts of The Endangerment Finding Rescission	245
Yashan Wang	Environmental and Occupational Health	Climate and Environmental Variability Shape Airborne Fungal Spore Exposure	264

**Equity Prize**

*[GW Institute for Socioeconomic Opportunity](#)*

Name	Department	Abstract Title	Poster No.
<b>Undergraduate Research</b>			
Chrestiane Tekola	Public Health	Institutional Food Systems and Student Food Security: Evaluating Meal Plan Policy at an Urban University	11
Samaa A. Afoke	Public Health	Critical Race Theory as a Lens for Analysis of DEI Work in Medical Education	44
<b>Master's Research</b>			
Hermela Amdeta	Global Health	Community-Led Action in the Mississippi Delta - Applying Systems Dynamics and the THRIVE Framework to Rural Food Access	95
Blake Madison Coleman	Prevention and Community Health	How Fear-Based Versus Empowerment-Based Reproductive Health Messaging Influences Trust, Emotional Responses, And Behavioral Intentions Among Black Women Ages 18–35.	73
<b>Doctoral Research</b>			
Fatima Waseem	Global Health	When Trust Fails: A System Dynamics Analysis of Tap Water Avoidance and Sugary Drink Substitution in Puerto Rico	168
Paige Kulie	Health Policy and Management	Where You Live Matters: A State Policy Landscape of Minors' Access to HIV Pre-Exposure Prophylaxis	195
<b>Staff, Alumni and Postdoctoral Research</b>			
Lulu Chen	Environmental and Occupational Health	Living Next to Warehouses: Daily NO2 Pollution Patterns around Warehouses Revealed by Satellite	252

Kevin Miller	Exercise and Nutrition Sciences	The Effects of the 11th Street Bridge Park on Community Health: A Natural Experiment in Washington, DC	248
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**Gill-Lebovic Center for Community Health Prize**

*[The Gill-Lebovic Center for Community Health in the Caribbean and Latin America](#)*

Name	Department	Abstract Title	Poster No.
<b>Master's Research</b>			
Taiseer Zaman	Global Health	Impact of Group Antenatal Care on Pregnant Women's Knowledge, Attitudes, and Behavioral Outcomes Toward Postpartum Family Planning in Nigeria.”	141
Jordan Amoako	Prevention and Community Health	Financial Investment and Immunization Outcomes: The Influence of Gavi Funding on HPV Vaccination Uptake and Completion in Zambia and Lesotho	102
Arij Zafar	Global Health	PrEP Use Among Men in Tanzania: A Community Risk Assessment	68
<b>Doctoral Research</b>			
Mariana Fagundes Grilo	Exercise and Nutrition Sciences	The Effects of EMR Adoption on Primary Care Utilization in Addis Ababa: A Difference-in-Difference Analysis Using DHIS2 Data	182
Alyssa Khan	Global Health	The Effects of EMR Adoption on Primary Care Utilization in Addis Ababa: A Difference-in-Difference Analysis Using DHIS2 Data	150
Su Yadana	Global Health	From Framework to Function: Myanmar's National Implementation of the WHO CureAll Strategy for Childhood Cancer	211

**Global Women's Institute Prize**

*[The Global Women's Institute](#)*

Name	Department	Abstract Title	Poster No.
<b>Undergraduate Research</b>			
Maria Bebu	Public Health	PrEPared Black Women: Early findings from a PrEP Ambassador Program	32

## Master's Research

Kayla Blades	Prevention and Community Health	Sustaining the Maternity Care Workforce: Burnout and Peer Support among Midwives and Doulas in the DMV	108
Jordan Amoako	Prevention and Community Health	Financial Investment and Immunization Outcomes: The Influence of Gavi Funding on HPV Vaccination Uptake and Completion in Zambia and Lesotho	102

## Doctoral Research

Cynthia H. Weinman	Environmental and Occupational Health	Latent Exposure Profiles of Per- and Polyfluoroalkyl Substances and Sex Hormone Indices Among Reproductive-Aged Women: A Survey-Weighted Structural Equation Modeling Analysis	161
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## Health, Education & Community Outcomes Prize

*The Center for Health and Health Care in Schools*

Name	Department	Abstract Title	Poster No.
<b>Joint/Open</b>			
Josie Kreitzer	Environmental and Occupational Health	Associations Between Playground Equipment Height, Surfacing, and Head Injury Risk in School-Aged Children: A Systematic Review	103
Gabriela Lesiv	Biostatistics and Bioinformatics	Reduced Health-Related School Absenteeism with a School Health Officer Training Program in Kenya	93

## Health Workforce Equity Prize

*The Fitzhugh Mullan Institute for Health Workforce Equity*

Name	Department	Abstract Title	Poster No.
<b>Joint/Open</b>			
Jing-Jer (Amadeus) Chen	Health Policy and Management	Workforce Composition and Patient-Reported Access in Medicare Accountable Care Organizations: Evidence from the Medicare Shared Savings Program, 2019–2024	172
Kayla Blades	Prevention and Community Health	Sustaining the Maternity Care Workforce: Burnout and Peer Support among Midwives and Doulas in the DMV	108

**Institute for Food Safety and Nutrition Security Prize**
*[Institute for Food Safety and Nutrition Security](#)*

Name	Department	Abstract Title	Poster No.
<b>Undergraduate Research</b>			
Prisha Chawla	Exercise and Nutrition Sciences	The Impact of Campus Dining Systems on Student Well-Being and Academic Success: A Scoping Review	38
Andrew Han	Public Health	Evaluating dietary and behavioral risk factors for diabetes in Asian American populations	5
<b>Graduate Research</b>			
Christine St. Pierre	Exercise and Nutrition Sciences	The Food Literacy BITE Scale: Development and measurement properties in elementary schoolchildren	157
Jaiden Bluth	Exercise and Nutrition Sciences	Effects of Non-nutritive Sweetener Consumption During Pregnancy and/or Lactation on Maternal Sweet Taste Preferences and Energy Intake at 1 Month Postpartum	97
<b>Staff, Alumni and Postdoctoral Research</b>			
Yashan Wang	Environmental and Occupational Health	Investigating the Zoonotic Origins of ESBL-Producing E. coli in Community-Acquired Urinary Tract Infections in Ecuador	265
Marve Ladik/ Yossef Alnasser	Prevention and Community Health	Expanding Food Insecurity Screening Across Pediatric Clinical and Community Settings in the South Bronx: A Quality Improvement Initiative	267

**Leadership & Practice Prize**
*[Doctor of Public Health \(DrPH\)](#)*

Name	Department	Abstract Title	Poster No.
<b>Doctoral Research</b>			
Chinwe Lucia Ochu	DrPH	Integrated Mortality Surveillance in the United States, Colombia, and Zambia: Facilitators, Barriers, and Lessons	156
Desiree Tupas	DrPH	Early Signals of Change in URiM Matriculation Across U.S. Health Professions Training Programs Following the 2023 Supreme Court Decision	163

**Maternal and Child Health Prize**
*[The GW Center of Excellence in Maternal and Child Health](#)*

Name	Department	Abstract Title	Poster No.
<b>Master's Research</b>			
Claudia Gomez	Prevention and Community Health	A Mental Health Toolkit to Assist Medical Providers in Supporting Pregnant and Postpartum Women	80
Angel Sun	Environmental and Occupational Health	Effects of Maternal Bisphenol and Phthalate Exposure on Congenital Anomalies in Children: A Systematic Review	64
Catherine Delgado	Global Health	Developing a Monitoring & Evaluation Framework for Set Her Free: A Vocational Training Intervention for Women in Uganda	77

**Metabolism and Exercise Testing Service Research Prize**
*[The Metabolism and Exercise Testing Service \(METS\)](#)*

Name	Department	Abstract Title	Poster No.
<b>Undergraduate Research</b>			
Jordyn Walters	Exercise and Nutrition Sciences	Characterizing Obesity Phenotypes through Fitness and Metabolic Markers in Women	25
Kamran Mattu	Exercise and Nutrition Sciences	5-Times Sit-to-Stand Performance Related to Intra-Trial Decrements in Time-to Peak-Force in Older Adults	26

# Milken Institute School of Public Health

THE GEORGE WASHINGTON UNIVERSITY

Office of Research Excellence