MARYLAND INSTITUTE FOR
APPLIED ENVIRONMENTAL HEALTH

Our institute conducts groundbreaking research to better understand the role of environmental factors on human health and to inform public health interventions through both policy change and community-based participatory research. The unique combination of our faculty expertise allows us to make an impact on environmental public health locally, nationally and internationally, with ongoing activities in the U.S., Africa, Asia and Europe. Recent and ongoing activities include:

- On-farm water treatment of non-traditional irrigation water (e.g. reclaimed water) for food crops (Dr. Amy Sapkota)
- Environmental exposures to endocrine disrupting agents in vulnerable populations (Dr. L. Quiros-Alcala)
- Impacts and prevention of climate change on human health (Dr. Amir Sapkota)
- Transdisciplinary research on indoor environments and airborne infection transmission for influenza prevention (Dr. D. Milton)
- Air pollution and chronic human disease (Dr. Amir Sapkota, D. Milton and R. Puett)
- Environmental justice and environmental health disparities; built environment, social stressors and community resiliency (Dr. S. Wilson)
- Effects of cumulative early life exposures to air pollution and psychosocial stressors on children’s cognitive development (Dr. Payne-Sturges)
- Toxin exposure through diet and early life stunting (Dr. P. Turner)
- Mental health and mind on susceptibility to chronic disease from environmental exposures (Dr. R. Puett)

Rianna Murray
MPH ’13
PhD Candidate

Following her MPH in Environmental Health at UMD, Rianna’s interest in environmental justice prompted her to pursue a PhD with Dr. Sacoby Wilson, focusing on exposure to contaminants faced by users of the Anacostia River. Rianna is also a member of the student group Public Health Without Borders.

ABOUT THE UNIVERSITY OF MARYLAND

RANKED
8
Best Value College
Kiplinger’s Personal Finance magazine

RANKED
15
Most Innovative School
U.S. News & World Report

RANKED
22
Public Research Institution
U.S. News & World Report
Graduate Degrees Offered

MASTER OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SCIENCES

Advance your career and train to be among the next generation of environmental health research experts. Our MPH program explores the critical relationships between environmental exposures and health. Our faculty and students support the development of effective environmental health policy, a process reinforced by close mentorship and practical experiences through internships focused on translating research into action.

MASTER OF SCIENCE, ENVIRONMENTAL HEALTH SCIENCES

Complete an essential core of knowledge in environmental health, epidemiology and biostatistics, with a research focus in a specialized area of environmental health, via completion of a master's thesis.

DOCTOR OF PHILOSOPHY, ENVIRONMENTAL HEALTH SCIENCES

Master an essential core of knowledge in environmental health, epidemiology and biostatistics. Through courses, field studies and laboratory rotations, students gain experience and tools needed to specialize in a key area of environmental health.

DOCTOR OF PHILOSOPHY, EPIDEMIOLOGY

Our faculty additionally mentor doctoral candidates on the environmental epidemiology track of the epidemiology program. The PhD program within the School of Public Health.

CERTIFICATE IN GLOBAL HEALTH, POST-BACCALAUREATE

Learn about the issues, policies, and practices that enable individuals who may not have public health backgrounds to work effectively in agencies and programs providing global health services. This 12-credit program emphasizes translational health issues and combining population-based prevention methods with evidence-based, community-supported initiatives. May be taken alone, or in conjunction with any of the graduate degrees offered in the School of Public Health.