ENVIRONMENTAL HEALTH SCIENCES FACULTY
COMMUNITY, ENVIRONMENT & POLICY DEPARTMENT

Aminata Kilungo, PhD
Program Director, Environmental Health Sciences
Assistant Professor of Practice | paminata@email.arizona.edu
- Disease prevention and community health related to water safety, security, and the environment
- Understanding challenges related to access to safe and clean water in low-income countries
- Finding sustainable holistic approaches to address water security and safety
- U.S.-Mexico Border environmental health
- Global health

Paloma Beamer, PhD
Associate Professor | pbeamer@email.arizona.edu
- Exposure science and risk assessment, including collection and analysis of exposure factors and modeling
- Environmental health disparities focused on children, Indigenous communities, low-wage immigrant workers and those in the US-Mexico region
- Assessing the role of environmental risk factors in development of respiratory disease

Jeff Burgess, MD, MS, MPH
Professor and Associate Dean for Research | jburgess@email.arizona.edu
- Health effects and mitigation of toxic exposures
- Firefighter and mining health and safety
- Risk management and emergency preparedness
- Indigenous environmental health disparities

Stephanie Griffin, PhD, CIH
Joint Faculty | scgriffin@email.arizona.edu
- Industrial Hygiene and Environmental Health exposure assessment (thermal stress, noise and chemicals)
- Cancer prevention and chemical exposure assessment in the fire service
- Risk management implementation and evaluation in mining and the fire service
- Health economic evaluation of health and safety interventions

Mel & Enid Zuckerman College of Public Health
Phil Harber, MD, MPH  
Professor | pharber@email.arizona.edu  
- Occupational-environmental lung disease, respiratory protection, human physiology  
- Occupational health services: Quality and policy  
- Health informatics: Quantitative decision analysis, natural language processing, social media research, clinical decision support systems (CDS)  
- Director, Occupational Health Office, and Medical Director, Occupational Health

Mary Kay O’Rourke, PhD  
Professor | mkor@email.arizona.edu  
- Measures and models contaminant in the environment, assesses exposure to individuals and populations and links to biomarkers or disease outcomes  
- Expertise: Exposure Science with a focus on particulate and arsenic, Indoor Air Quality (IAQ), Geospatial relationships, Climate change  
- Contaminants of interest: Arsenic, Particulate Matter, Pollen, Fungi, Valley Fever, Ozone, House-dust mites, Metals and Pesticide  
- Diseases of interest: Respiratory Disease (Asthma and Allergy)

Boris Reiss, PhD, CIH  
Assistant Professor | reissb@email.arizona.edu  
- Exposure assessment (statistical, chemical, biological, physical, data based)  
- Method development (soft and hardware)  
- Using hair as a biomarker of environmental and occupational exposure  
- Real-time monitoring of stress  
- Calibration i.e. particle monitors

Kelly Reynolds, MSPH, PhD  
Department Chair, Community, Environment and Policy  
Professor | reynolds@email.arizona.edu  
- Uses quantitative microbial risk assessment to model the health effects of microorganisms and exposures from surfaces, water and food  
- Implements field studies to track transmission potentials of microbes in households, offices, schools and hospitals  
- Collaborates with stakeholders from government, academia, and industry using a team science approach to infection prevention  
- Works with a variety of healthcare facilities to reduce healthcare acquired infections and prevent waterborne Legionella outbreaks  
- Develops methods for real-time monitoring of microbial contaminants in the environment using smartphone optics

Marc Verhougstraete, PhD  
Assistant Professor | mverhougstraete@email.arizona.edu  
- Co-director of the collaborative Environmental, Exposure Science, and Risk Assessment Center  
- Explores the connections between microorganisms, the environment, and human health  
- Examines the source, fate, and transport of microorganisms through indoor, water, and food systems  
- Defining the connection between metals and microbial exposures from drinking water  
- Applies quantitative microbial risk assessment to define safe exposure levels in beaches, irrigation water, and hospitals