Global Health & Environment 2018 MPH Internships

Location

- U.S. (4)
  - Berkeley
  - Illinois
  - Maryland
  - Washington D.C.
- International (6)
  - Guatemala
  - India
  - Nepal
  - Niger
  - Indonesia & Philippines
  - Rwanda

Setting

- Government Agency
  - Pan American Health Organization

- Private
  - Pit Vidura

- Nonprofit
  - Californians for Pesticide Reform
  - Food Water Energy Consortium
  - Sanitation & Health Rights in India

- University/Research
  - Kennedy Krieger Institute
  - The OASIS Initiative
  - UC Berkeley SPH
  - Univ of Illinois at Chicago
  - Universidad del Valle & Emory Univ

Examples of Accomplishments

- Designed & conducted a qualitative study on the state of menstrual hygiene management in a low-income, rural area
  - Evaluated the mental & physical health risks of inadequate menstrual hygiene management

- Developed a water treatment technology
  - Conducted focus groups with rural communities to determine their preferred model of technology design

- Quantified organophosphate pesticide use within a one-mile radius of CA schools with the goal of preventing childhood exposure to these pesticides
  - Created a county- & state-level mapping tool to communicate the health-related risks of flooding to emergency preparedness teams at local health departments
  - Operationalized a marketing & awareness campaign strategy for latrine pit-emptying services in a low-income, urban population

Compensation

- Total Funding*
  - $1,000-$5,000 (5)
  - Average: $2,900

*Based only on reported compensation
- Excludes non-monetary support (e.g., travel, lodging)

Sources of Supplemental Support

- Mastercard
- Eustace-Kwan Family Foundation
- UC Berkeley:
  - Institute for South Asian Studies
  - Environmental Health Sciences Program
Global Health & Environment 2019 MPH Internships

**Location**
- Bay Area (7)
  - Oakland (4)
  - Richmond (2)
  - Berkeley
- International (5)
  - Mexico (2)
  - China
  - Indonesia
  - India

**Setting**
- **Government Agency**
  - Office of Environmental Health Hazard Assessment (3)
  - California Department of Public Health (2)
  - Zhejiang Provincial Center for Disease Control & Prevention
- **University/Research**
  - Instituto Tecnológico de Estudios Superiores de Occidente (2)
- **Healthcare System**
  - Kaiser Permanente Northern California
  - Tata Medical Center
- **Nonprofit**
  - Health in Harmony - ASRI
  - Seva Foundation

**Examples of Accomplishments**
- Reviewed epidemiologic data to assess the association between prenatal cannabis exposure & developmental outcomes
- Evaluated association between nutritional status, nutritional interventions, & demographic characteristics of survival rates among septic cancer patients
- Performed a molecular epidemiology study on a collection of E. coli, including an examination of pathogenic genotypes
- Used R & ArcGIS to assess water quality in public water systems by demographics at the census tract level (i.e., gender, age, race, education) & to understand the health effects of exposure to contaminants
- Collected qualitative data (drinking water consumption) & quantitative data (drinking water contamination) to examine the risk factors & environmental exposures of chronic kidney disease & diarrheal disease in children, adolescents, & adults

**Compensation**
- **Total Funding**
  - $1,000 - $3,000 (2)
  - $5,000 - $9,000 (3)
  - $9,001 - $12,000 (2)
- **Average**: $7,200
- *Based only on reported organizational compensation
- Excludes non-monetary support (e.g., travel, lodging)

**Sources of Supplemental Support**
- Abrons Foundation ($7,500)
- Kaiser Permanente ($2,500)
- Lingnan W.T. Chan Fellowship ($5,000)
- UC Berkeley
  - Center for Global Public Health ($3,600)
  - Center for Latin American Studies ($500)
  - School of Public Health Class Gift ($2,000)
Environmental Health Sciences
2018 MPH Internships

Location
- Bay Area (9)
  - Richmond (3)
  - Oakland (3)
  - San Francisco (2)
  - Berkeley
- International (3)
  - Ethiopia
  - Peru
  - Tanzania

Setting
Government Agency
- CA Dept of Public Health (2)
- Office of Environmental Health Hazard Assessment (2)
- City of Richmond
- CA Dept of Industrial Relations

University/Research
- UC Berkeley SPH
- UC San Francisco
- Johns Hopkins Bloomberg SPH
- Ethiopian Institute of Technology

Nonprofit
- Natural Resources Defense Council

Examples of Accomplishments
- Developed a community-level lead exposure risk indicator & incorporated this indicator into a statewide mapping platform
- Analyzed the health benefits of a city’s implementation of a Health in All Policies approach
- Programmed & installed low-cost air pollution monitors inside homes with biomass-burning & LPG stoves in lower & middle-income countries
- Conducted interviews, performed inspections, & produced an occupational health & safety audit of international textile companies
- Built a national exposure profile for PFAS chemical exposure through drinking water, household dust, & food products
- Conducted home-based surveys on WASH patterns, collected & tested water samples, & analyzed data on diarrheal disease outcomes in a rural village

Compensation
- Total Funding*
  - $3,000 - $7,000 (4)
  - $7,001 - $9,000 (3)
  - $15,000 - $17,000 (1)
  - Average: $7,500

Sources of Supplemental Support
- UC Berkeley Global Development Fellows Program
- Bixby Center for Global Reproductive Health
- Kaiser Permanente

12 students

*Based only on reported compensation
Environmental Health Sciences
2019 MPH Internships

**Location**

- **Bay Area (12)**
  - Oakland (5)
  - Berkeley (4)
  - San Francisco (2)
  - Richmond (1)
- **International (2)**
  - China
  - Vietnam

**Setting**

- **Nonprofit**
  - Maquiladora Health & Safety Support Network
- **Government Agency**
  - Office of Environmental Health Hazard Assessment (4)
  - Port of San Francisco
  - Alameda County Public Health Department
- **University/Research**
  - Center for Environmental Research & Children's Health (2)
  - UC Berkeley: PATH to Care Center
  - School of Public Health
- **Private**
  - Chevron
  - Nektar Therapeutics
  - Xinrui Environmental Engineering Company

**Examples of Accomplishments**

- Evaluated whether the cap & trade program disproportionately affects disadvantaged communities with a focus on carbon offsets, using RStudio, ArcGIS, Tableau & StoryMaps
- Created educational materials on safer cleaning alternatives based on community needs and existing assets in collaboration with youth research assistants
- Evaluated program outcomes with parents to understand flu vaccine hesitancy and ways to increase vaccination rates during school- and community-based outreach activities
- Designed a silica program for compliance with Cal/OSHA exposure regulations & subsequently monitored related activities with exposure concerns (e.g. concrete breaking or cutting)
- Tested an in vitro model to determine whether endocrine disrupting compounds inhibit energy expenditure & glucose metabolism in the context of metabolic pathways
- Conducted a meta-analysis to determine whether non-Hodgkin’s lymphoma is a health effect of high exposures to benzene

**Compensation**

- **Total Funding**
  - $100 - $7,000 (2)
  - $7,001 - $9,000 (5)
  - $9,001 - $15,000 (4)
  - $15,001 - $18,500 (2)
- **Average:** $9,400

**Supplemental Support**

- Eustace-Kwan Family Foundation ($2,000)
- UC Berkeley ($5,000)
  - Center for Global Public Health
  - Center for Southeast Asian Studies