

**Title:** Tracking Research Applications: Doctoral Student Fellowship Projects

**Keywords:** Student Fellowships, Research

**Background:** The JHU Center for Excellence in EPHT funded six student research fellowships to advance knowledge of potential links between the environment and health effects.

**Objectives:** To describe student fellowship objectives, methods, and progress

**Methods/Results:**

Kristen Chossek-Malecki (Health Policy and Management) is examining the methodologies for evaluating and developing state level environmental public health indicators. She is evaluating children's hazard, exposure, and health outcome measures in Maryland and Wisconsin.

Jochen Heidler (Environmental Health Science) is examining the fate, distribution and human health risk of antimicrobial compounds. He will also develop an analytic method for analysis of these chemicals in various biological media.

Julie Herbstman (Epidemiology) is examining the health effects associated with prenatal exposure to polybrominated diphenyl ethers. Establishing this link through an epidemiologic investigation, surveillance indicators will be evaluated for monitoring infant exposure.

Ana Navas Acien (Epidemiology) is investigating the association of arsenic exposure and myocardial infarction and diabetes. She will use biomarkers of exposure to conduct a nested case-control study.

Robin Streeter (Epidemiology) is studying the relationship between arsenic in groundwater and bladder and lung cancer. She will conduct a probabilistic risk assessment and will use spatial methods to establish the linkage between exposure and cancer risk.

Michele Twilley (Environmental Health Sciences) is evaluating Maryland's Reduction of Lead Risk in Housing Law through the analysis of three existing tracking databases. She will evaluate this intervention for its effectiveness, efficiency, efficacy and equity.

**Conclusions/Evaluation:** Consistent with the Center's mission, JHU EPHT Center has funded these doctoral students to advance the field of EPHT through research and to train future leaders in this arena.

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