



THE UNIVERSITY OF ARIZONA

## Mel & Enid Zuckerman College of Public Health

**Organization Name:**

Dr. Beamer Research Group

**Organization Background**

We are a research group that evaluates environmental sources of exposure and health outcomes.

**Internship Project Title**

Integrating geospatial data to prepare dataset of pesticide applications in Arizona

**Project Description:**

The goal includes preparing and cleaning a dataset of reported agricultural pesticide applications in Arizona from 2006 to 2016. This involves linking the agricultural pesticide dataset to other land-use datasets, including a Public Land Survey System dataset (PLSS) and an agricultural land use dataset, and also includes using summary statistics to identify unlikely values. Duties may also involve cleaning birth certificate data, with the goal of linking this information to the pesticide use registry. Student will work closely with a postdoctoral fellow to identify specific tasks and to identify training modules if necessary.

**When:**

We will accept applications from students for any upcoming semester.

**Where:**

Project is located in Drachman Hall, student will be given space either in the Medical Research Building (MRB) or in Drachman Hall.

**Student Characteristics:**

A student with experience working in ArcGIS and other statistical program (such as R, SAS, or Stata) preferred

**Level of Expertise Needed:**

Either undergraduate or graduate student

**Supervision**

Melissa Furlong, PhD, is an epidemiologist and postdoctoral scholar in the Beamer lab.

**Compensation/Benefits**

No stipend is available. Co-authorship on papers is a possibility depending on level of engagement of the student.

**Application Contact Information**

Send a cover letter and cv/resume to Melissa Furlong at [mfurlong@email.arizona.edu](mailto:mfurlong@email.arizona.edu).