

**Undergraduate Student Research Opportunities - Water Quality Laboratory**  
**3 Positions- Summer 2017**

Dr. Murphy is a faculty member in the Division of Environmental Health within the College of Public Health. Her research focuses on understanding the link between drinking water quality and public health.

She is looking for **3 students** to work in her lab this summer to help with water sample collection and analysis in the laboratory. She will also need some support with conducting literature reviews. Students working with Dr. Murphy will develop laboratory skills in the analysis of water samples for microorganisms and chemical water quality parameters. They will learn how to use advanced laboratory equipment and develop valuable skills that can be used to work in a laboratory in the future. In addition, students will get the opportunity to do some fieldwork by sampling groundwater and river water around Philadelphia.

Students with previous laboratory experience and drivers licenses are preferred, but these are not requirements.

**Anticipated tasks are as follows:**

- Travel to field sites to collect water samples from household wells and from rivers around Philadelphia
- Preparation of sample bottles and laboratory equipment for microbial water quality analysis
- Conducting water quality analyses in the lab
- Searching and reviewing journal articles for literature reviews
- Preparation of journal manuscripts (if students are interested in publishing)

**Any questions regarding the opportunities can be sent to Dr. Murphy directly:  
heather.murphy@temple.edu**