

## Investigating environmental factors affecting uptake of a PFAS water sampler

### *Project Description:*

Passive sampling is a technique used to conveniently measure man-made pollutants in the environment. When developing a new passive sampler for a specific type of pollutant—in this case, per-and poly-fluoroalkyl substances (PFAS)—we must understand how different environmental conditions affect the sampler's performance. This project will assist in that development by testing the uptake of PFAS while varying an environmental factor (e.g. temperature, salinity) in a laboratory-based experiment. In addition, one or more field deployments will be conducted to compare with experimental results. Using this information, we can determine concentrations of PFAS in natural waters.

- The project would need to be in-residence.
- A student with a background in chemistry/environmental science (with some lab experience), and interest in environmental contaminants would be preferred.
- Professor Rainer Lohmann
- Jarod Snook, PhD student, will serve as an additional mentor.
- Contact: Yes. Contact via email at [snook@uri.edu](mailto:snook@uri.edu)