



Stony Brook University

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### **Doctoral Student Position in the McDonough Lab**

The McDonough Lab for Environmental Analytical Chemistry in the Stony Brook University Department of Civil Engineering is seeking a doctoral student to start in Fall 2020.

Dr. Carrie McDonough's research focuses on developing a comprehensive understanding of how organic contaminants impact aquatic ecosystems and human health by combining innovative environmental chemistry and bioanalytical techniques, state-of-the-art mass spectrometry, and field monitoring campaigns. Work in the McDonough Lab protects the public from exposure to harmful pollutants and draws attention to the global ubiquity of organic contaminants.

The open position is for a doctoral student starting in Fall 2020 who will investigate the bioaccumulation of PFASs. Project objectives include (i) developing and validating tissue and serum extraction methods for a wide range of PFASs for application to mouse and human samples, and (ii) working with liquid chromatography-quadrupole-time-of-flight-mass spectrometry (LC-QTOF-MS) to identify novel bioaccumulative PFASs in tissue and serum samples. There will also be opportunities to assist in developing analytical methods for other chemical classes of concern, such as algal toxins and organophosphate flame retardants.

Individuals with a passion for ambitious interdisciplinary research are encouraged to apply. Students with a wide range of backgrounds and interests are welcome, including civil and environmental engineering, chemistry, biology, toxicology, public health, and marine science.

If you are interested in learning more about this position please email Dr. Carrie McDonough ([carrie.mcdonough@stonybrook.edu](mailto:carrie.mcdonough@stonybrook.edu)).