Organic synthesis of pyrrole-derived metal complexes and binding of pollutant ion
Lauren Rossi (Roger Williams University)

Project Location:
Roger Williams University

Project Description:
Bioinspired catalysts have been developed to reduce highly oxidized pollutant ions, such as nitrate (NO₃⁻). Our aim is to apply synthetic methods to form organometallic complexes, to assess the stability of such complexes, and evaluate the complexes’ ability to detect/ reduce nitrate ions within aqueous samples, such as that of the Narragansett Bay ecosystem.

This project involves primarily lab work.

This project involves primarily lab or computer work

Required/preferred skills for student applicant:
Prior laboratory experience with organic chemistry techniques is valued.

Student transportation needed for project?
No