



Analytical Chemistry Seminar

Tuesday, February 15, 2022

3:30 PM, WTHR 320

***“Deep Eutectic Solvent Applications in Liquid-Phase
Microextractions and Green Chemistry”***



Caleb Buchanan

Department of Chemistry, Purdue University

Abstract:

Microextraction is a process integral to analytical chemistry due to the necessity of preconcentration of samples for analysis. Usually, microextraction uses traditional organic solvents for the extraction process, but a new class of deep eutectic solvents seek to upend this trend. Deep eutectic solvents provide an environmentally-friendly alternate that also have performance enhancements over organic solvents. I will discuss recent advancements in the field of DES and how they can be applied to microextraction experiments.

Seminar Time shared with Caroline Rowell