

The Department of Chemistry and Biochemistry

Seminar Series

Presents a Seminar Titled:

“Solar Fuel Production: First-Row Transition Metal Complexes for Hydrogen Generation”



Presented By

Dr. William McNamara

Assistant Professor

College of William & Mary

Traditional photovoltaics are capable of harnessing solar energy to generate electricity only during the day. This limitation hampers current solar technology by requiring a method to store the energy during the evening. Using visible light to photochemically split water, converting sunlight into both electricity and fuel in the form of H₂ is a promising strategy for harnessing solar energy. However, systems for photochemical water-splitting often rely on expensive noble metal catalysts or chromophores. Research in the McNamara lab focuses on the reductive side of water splitting and aims to develop a system for aqueous hydrogen production using earth-abundant metal catalysts.

Friday, March 25th at 3:00 in OCNPS 100