

Catalytic Activation of Renewable Feedstocks (*Faculty Mentor: Alex Parent*)

The Parent group focuses on developing catalysts for renewable oxidation chemistry. Oxygen gas is a strong oxidant that sustains all aerobic life. Currently, most industrial oxidation reactions require the use of non-renewable oxidizing agents, which generate halogenated waste as byproducts. By replacing non-renewable oxidizing agents with more sustainable options, we will reduce the environmental impact of these chemical reactions. REU students will learn a variety of synthetic and analytical techniques, with an emphasis on applications in renewable oxidants.

