Michigan State University Sustainable Chemistry and Chemical Processes (SCCP) Program

Position Type: Summer Research

Position Location: East Lansing, Michigan


Application Deadline: February 28, 2015

Description: Our program focus is on the ever-important field of sustainable chemistry and chemical processes, also known as Green Chemistry. The students in this REU program will engage in faculty-mentored research projects aimed towards developing more sustainable chemical products and processes, including green synthesis and materials, water purification and contaminant monitoring, membranes and coatings from renewable starting materials, renewable energy-related materials, and advanced imaging and spectroscopy. These cutting-edge projects will cut across the boundaries of the traditional organic, inorganic, biological, analytical and physical disciplines. The students will be involved in all aspects of the research enterprise, from project design, to conducting experiments and analyzing data, to reading and discussing relevant scientific papers, and finally to preparing text and graphs for eventual publication in a peer-reviewed scientific journal.

This REU program will provide an engaging experience that will give students a competitive advantage when applying to graduate school or seeking technical careers. The students’ research work will develop critical scientific skills and techniques. Professional development activities such as faculty seminars, safety workshops, and responsible conduct of research sessions will position students well for their future careers. Informal social events will provide networking opportunity to meet other graduate students and faculty with diverse backgrounds and interests and discuss future career opportunities. Students will receive a $4,500 stipend and a $700.

Required Qualifications

- U.S. Citizen
- Rising junior or senior
- Chemistry or chemical engineering major
- GPA 3.0

For Further Details: Ms. Tracie Thomas
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