

Faculty Member Contact Information

Name	Yun Lu, PhD
Contact Info	
SIUE Email	yulu@siue.edu
Campus Box	1652
Department	Chemistry

1 Funded, 2 Unfunded URCA Assistant(s)

Are you willing to work with students from outside of your discipline? If yes, which other disciplines?

- No

How many hours per week will your student(s) be required to work in this position?
(Minimum is 6 hours per week; typical is 9)

- 9 hours

Will it be possible for your student(s) to earn course credit?

- Yes, in Chem396 and Chem496 for 2 credits credit hours.

Location of research/creative activities:

- Science West Building

Brief description of the nature of the research/creative activity?

- We study the enzyme model reactions in solution. We compare the enzymatic reactions and model reactions to find the similarities and differences between the two. The results will provide insight into detailed mechanisms of the enzymatic reactions as well as the origin of enzyme catalysis.

Brief description of student responsibilities?

- Students involved in this project will do organic synthesis, isolate and characterize reaction product structures, and measure reaction rates.

URCA Assistant positions are designed to provide students with *research or creative activities* experience. As such, there should be measurable, appropriate outcome goals. What exactly should your student(s) have learned by the end of this experience?

- Throughout the project, students will learn organic synthesis, organic structural analysis method, use of the spectroscopic instruments, as well as chemical lab safety procedures.

Requirements of Students

If the position(s) require students to be available at certain times each week (as opposed to them being able to set their own hours) please indicate all required days and times:

- The research time is flexible, anytime from Monday to Friday.

If the location of the research/creative activities involves off campus work, must students provide their own transportation?

- The work will be on campus.

Must students have taken any prerequisite classes? Please list classes and preferred grades:

- Prerequisites are Chem241A.

Other requirements or notes to applicants:

- N/A.