

Faculty Member Contact Information

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Contact Info	
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Department	Chemistry

1 Funded, 1-2 Unfunded URCA Assistant(s)

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

- Yes

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)

- 6

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

- Yes, in Chem 296, 396 or 496 for 1-2 credit hours.

Location of research/creative activities:

- SLW 3005

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

- The student will work in an inorganic chemistry research laboratory and will learn how to prepare synthetic inorganic / organometallic compounds OR the student will assist with a non-wet lab related project involving chemical education.

Brief description of student responsibilities?

- The student will work along with the research mentor in the laboratory learning how to carry out common laboratory manipulations. The student will be responsible for maintaining a complete and accurate record of all experiments in the form of a laboratory notebook and digital files. The student will be responsible for attending and participating in group meetings.

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?

- The student will gain experience manipulating air-sensitive compounds which might involve the use of an inert atmosphere glovebox or other specialized glassware. The student will learn how to collect and evaluate data from modern laboratory instrumentation. If the student is involved in the chemical education project he/she will learn how to collect and analyze survey data. By the end of the experience, the student will have collected enough data to present a poster presentation or contribute to a publication.

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:

- Mutually agreeable times will be determined.

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

- No off campus work is required.

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

- Students must have taken CHEM 121A along with the corresponding laboratory courses CHEM 125A. (I am open to considering students who have had lower level chemistry or are currently enrolled in Chem 121A or Chem 131). Students who have taken CHEM 121B and above may be given priority.

Other requirements or notes to applicants:

- Students interested in working for multiple semesters beyond the URCA funded period are encouraged to apply.