

Faculty Member Contact Information

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Description of the URCA Assistant Position

This posting includes one funded position. In addition, the faculty member may be willing to mentor additional, unfunded students.

How many unfunded students is this professor taking in addition to his/her one funded student? 0

(Students, if the faculty member will have both funded and unfunded students, he or she is free to select which student receives the funding. Funding cannot be split up between multiple students; only one student will receive it.)

Which of the following apply to this position?

- This position is **only** open to students who have declared a major in this discipline. **M**
- This project deals with social justice issues. 
- This project deals with sustainability (green) issues. 
- This project deals with human health and wellness issues. **+**

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

(Minimum is 6 hours per week; typical is 9.)

Will it be possible for your student(s) to earn course credit? Yes No

If yes, in which course? N/A

If yes, for how many credit hours? N/A

Location of research/creative activities: UP 220-1042 (Pharm Sci Lab Bldg)

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

The student will assist in the synthesis of novel compounds for seizures and enhancement of memory and learning. Purification and characterization of the reaction products will be performed.

Brief description of student responsibilities:

The student will be responsible for performing organic chemistry reactions to prepare new compounds with potential biological activity. Additionally, the student will utilize various instruments to characterize and purify final compounds and intermediates.

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?

At the end of the semester, the student should have a good knowledge of how to perform organic chemical reactions, how to purify reaction products, and how to utilize various instruments to characterize these compounds.

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:

Ideally, students should have at least a 2 hour block three times during the week. The schedule is flexible, but Tuesday, Thursday, and Friday afternoons would be preferable.

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

Laboratory is on campus in UP 220-1042

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

Ideally, the student will have taken two semesters of organic chemistry.

Other requirements or notes to applicants:

I would prefer a student who is dedicated and interested in learning about drug design and discovery.