

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? 2

(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: CAS – Science Building

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

The student will provide technical support to me as I work on experimental and computational studies related to protein and DNA atomic structures.

Brief description of student responsibilities:

My Assistant will be responsible for conducting literature reviews, assisting in basic molecular biology and biochemistry experiments as well as in bioinformatics, molecular modeling and visualization.

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 this experience, my Assistant should gain basic understanding of structural biophysics, be competent in literature reviews, basic molecular biology and biochemistry experiments and confident in using bioinformatics and molecular modeling software, the student should also be able to create publication quality figures, create a poster for a professional conference, and write sections in peer reviewed publications.

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:

N/A

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

N/A

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

N/A

Other requirements or notes to applicants:

N/A