





Faculty Member Contact Information

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Contact Info	
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Department	Biological Sciences

1 Funded, 2 Unfunded URCA Assistant

	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.	
X	This project deals with human health and wellness issues.	
	This project deals with community outreach.	
	This mentor's project is interdisciplinary in nature.	I

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

- I am open to taking students outside of my discipline, but only those in similar fields.

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)

- 6-10

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

- No

Location of research/creative activities:

- Science West 1000

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

Work with *Drosophila* (fruit flies) to study the neurobiology of alcohol addiction. Practice reading recent papers in the field and advancing current projects in the lab.

Brief description of student responsibilities?

Maintain and collect flies for experiments on a schedule. Perform behavioral and computational analyses (RStudio) such as recording and tracking fly movements or mining RNA-seq data.

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?

Every student learns how to make fly food, flip fly stocks, sex flies (choose males vs females), prepare/perform/analyze a behavioral experiment, and use Excel or RStudio to graph and run stats. Each student should seek an opportunity to present their work at a local conference, for a capstone project, or at the URCA symposium on campus.

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:

- Students should be able to frequent the lab at least 3 times a week - weekends are also opportunities to come in to do work.

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

- All on campus work.

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

- Prefer students have earned a B or better in Genetics (BIOL220) or had strong interest in Genetics during Intro Bio (BIOL151).

Other requirements or notes to applicants:

- None