

Faculty Member Contact Information

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Contact Info	
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Department	Biological Sciences

1 Funded, 1 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.	
	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?

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)

6-10hr/wk

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

No

Location of research/creative activities:

Science West 1000 lab

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

Maintain fly stocks - make fly food, flip vials, sort males/females. Expose flies to water or ethanol vapor, then test various behavioral or neuromolecular outcomes. Current work in the lab is studying how the JAK/Stat pathway is impacted by ethanol exposure and if depression-like states impact fly ethanol preference.

Brief description of student responsibilities?

Keep lab notes, work with others in the lab to collect, expose, and test flies. Attend weekly one-on-one and lab 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?

Yes

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:

Must be on campus frequently, including weekends if the experiment requires. Fly behaviors are typically tested from 10am - 4pm.

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

No off-campus work is expected right now.

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

I suggest that students to have taken, and enjoyed, BIOL 220 (Genetics).

Other requirements or notes to applicants: