

Faculty Member Contact Information

Name	Emily Petruccelli, PhD
Contact Info	
SIUE Email	epetruc@siue.edu
Campus Box	1651
Department	Biological Sciences

1 Funded, 2-3 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)

- Ranges from 6-10h / wk

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

- No

Location of research/creative activities:

- On campus lab, Science West 1000

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 will follow up on candidate genes identified from RNA-seq results so we can buy transgenic strains and validate transcriptome findings with qRT-PCR.

Brief description of student responsibilities?

- Keep a lab notebook, 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?

- Learn how to handle live organisms, setup and run experiments with proper controls, read relevant research papers in the field, and present findings to other scientists (ie. in lab meeting / colloquium / conference settings).

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?

- Must be on campus frequently.

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

- Genetics (BIOL220) with a B or better preferred.

Other requirements or notes to applicants:

- N/A