

Faculty Member Contact Information

Name	Christopher Theodorakis, PhD
Contact Info	
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Department	Biology

2 Unfunded URCA Assistant(s)

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)

- 9

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

- Yes, in BIOL 493 for 3 credit hours.

Location of research/creative activities:

- SW 2215

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

- This project will involve examining effects of environmental pollutants (sunscreen chemicals and arsenic) on the feeding and locomotory activity of flatworms. Flatworms will be exposed to these chemicals in glass petri dishes, and their behavior will be recorded by video cameras and analyzed with image analysis software. It may also include analysis of these chemicals with specialized instruments.

Brief description of student responsibilities?

- Students will be responsible for feeding and care of the animals, working with a graduate student to film the worms during exposures, analyzing their behaviors using computer programs, and assisting with analysis of the chemicals to which the worms are exposed.

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?

- They should have a greater understanding of the scientific method, science research, and toxicology.

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:

- na

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

- na

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

- no

Other requirements or notes to applicants:

- na