

**Faculty Member Contact Information**

Name: **Richard L. Essner, Jr.**  
Department: **Biological Sciences**  
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**Description of the URCA Assistant Position(s)**

Number of students requested: **1**  
Number of students to receive funding: **1**  
Will it be possible for your student(s) to earn course credit? Yes **X** No      If yes, in which course? **BIOL 493**  
Location of research/creative activities: **SL 3209 (laboratory)**

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

**Project involves describing the behavior of several frog species (*Ascaphus montanus*, *Bombina orientalis*, & *Rana pipiens*) as they jump into water.**

Brief description of student responsibilities:

**Student will assist with filming frogs jumping with high-speed video, kinematic data acquisition and analysis. Student will be expected to present results at a scientific meeting and assist with manuscript preparation.**

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?

**The objective is to give the student hands-on experience with data collection and analysis. The student will also gain experience in creating a poster for presentation at a scientific meeting, as well as manuscript preparation.**

**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:

**Student and I will coordinate to determine suitable research times.**

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

**N/A**

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

**BIOL 120 (minimum grade of B)**

Other requirements:

**None**

Notes to applicants (i.e., any other information you'd like applicants to know about you or the position before applying):

**Student will need to complete on-line animal care and use training.**