

POSITION # F09-020

Faculty Member Contact Information

Name: **Luci Kohn**

Department: **Department of Biological Sciences**

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Description of the URCA Assistant Position(s)

Number of students requested: **2**

Number of students who will be funded: **1: Only one of the two students for this position will be funded. Dr. Kohn will determine which student receives funding.**

Will the student(s) earn course credit? Yes **X** No If yes, in which course? **BIOL 493A section 022**

Location of research/creative activities: **SL 3209f Kohn lab in Biological Sciences**

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

Analysis of carnivore skeletal form

Brief description of student responsibilities:

- 1. Conduct literature review on skeletal form, in carnivores and other animals**
- 2. Conduct literature review on evolutionary relationships among carnivores**
- 3. Help determine skeletal variables to study**
- 4. Learn how to collect data on skeletal form using a variety of instruments, and determine which is the most appropriate to the study**
- 5. Learn how to analyze data using Excel and Systat**

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?

- 1. How to find published literature on the research topic.**
- 2. How to use the published literature to develop research hypotheses**
- 3. How to collect data on skeletal form**
- 4. How to analyze data to test hypotheses**
- 5. How to interpret results of data analysis**

Additional 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:

None

If the location of the research/creative activities is off campus, must students provide their own transportation? Yes___ No___ **N/A**

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

BIOL 120 and BIOL 121 with C or better

Other requirements:

None

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

None