

POSITION # F09-021

**Faculty Member Contact Information**

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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. The professor will determine which student receives funding.**

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

Location of research/creative activities: **SL3215a, 4222**

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

**Studies into the pathogenicity of *Helicobacter canadensis*, a pathogen carried by Canada geese that also causes disease in humans.**

Brief description of student responsibilities:

**Students will assist in design and execution of experiments to evaluate inflammatory and immune response to *H. canadensis* using cell line (mouse and human intestinal epithelial cells) and animal (*H. canadensis* infected mice) models. Students will be required to learn aseptic cell culture technique and will also be required to undergo training for animal care.**

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?

**Students successfully completing these projects will have learned laboratory techniques associated with cell culture and/or animal studies, including several basic microbiological and immunological techniques. Data gathered from these preliminary experiments will be used for submission of extramural grants; students would also be able to apply results of their studies toward a senior assignment project and present data at a state- or nationwide meeting.**

**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:

**Work times will be agree upon based on student and PI schedules**

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:

**None**

Other requirements:

**Must be willing to work with mice**

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

**None**