

**Faculty Member Contact Information**

Name: **Faith Liebl**  
Department: **Biological Sciences**  
E-mail Address: **fliebl@siue.edu**

**Description of the URCA Assistant Position(s)**

Number of students requested: **1**  
Number of students to receive funding: **1**  
Will the student(s) be eligible to earn course credit? Yes **X** No      If yes, in which course? **BIOL 493-012**  
(If students are to earn credit hours for participating, they should earn 3 credit hours.)  
Location of research/creative activities: **Laboratory Space, SL 3209c**

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

**Investigation of the effects of Kismet on *Drosophila* glutamate receptor cluster formation**

Brief description of student responsibilities:

**Dissect *Drosophila* larvae, perform immunocytochemistry, perform qRT-PCR, visualize labeling using confocal fluorescence microscopy, analyze data.**

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?

**I would like students to gain an understanding of experimental design and analysis, practice developing and testing hypotheses, and gain experience in presenting their data by designing and presenting a poster for a local or national conference.**

**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:

**Hours are flexible**

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 319 with a 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**