





Faculty Member Contact Information

Name	Dr. Steffany Chleboun
Contact Info	
SIUE Email	schlebo@siue.edu
Campus Box	1147
Department	Applied Health

1 Funded, 1 Unfunded URCA Assistant

	This position is ONLY open to students who have declared a major in this discipline.	M
	This project deals with social justice issues.	
	This project deals with sustainability (green) issues.	
X	This project deals with human health and wellness issues.	
X	This project deals with community outreach.	
	This mentor's project is interdisciplinary in nature.	I

Are you willing to work with students from outside of your discipline? If yes, which other disciplines?

- No, I am open to taking students outside of my discipline, but only those in similar fields.

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)

- 8

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

- No

Location of research/creative activities:

- Founders Hall

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

The spring research position will continue work on the project comparing the middle ear function of children receiving therapy for atypical speech and language development at the SIUE Speech, Language, Hearing Clinic (SLHC) to a population of children with typical speech and language development.

Middle ear problems are very common in young children and can lead to hearing loss. The primary adverse effect of hearing loss in children is speech and language delay. However, standard practice protocols in speech and language clinics do not screen for middle ear function. If there is a statistically significant difference between the middle ear function of the two groups, this suggests that a protocol for regular middle ear screenings should be recommended for speech/language delayed population receiving services at the SIUE SLHC.

Brief description of student responsibilities?

The students will submit the IRB approval request and (upon approval) begin data collection. Data collection involves communicating with the control and experimental groups regarding appointments and other logistics and (potentially) analyze data to determine statistical significance.

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 request approval of the IRB.
- 2) How to conduct a middle ear screening using impedance testing, analyze and interpret the findings of the data collected.
- 3) How to manage the logistics of a research project using human subjects.
- 4) The student will learn the nature of speech and language impairments experienced by children with middle ear dysfunction.

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:

- At this time, preferred meeting days are M/W/F between 10-2; meeting times will be established in collaboration with all members of the research team

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

- No off campus work is involved.

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

- Academic prerequisites classes are not required.

Other requirements or notes to applicants:

- None