

Faculty Member Contact Information

Name	Steffany Chleboun
Contact Info	
SIUE Email	schlebo@siue.edu
Campus Box	1147
Department	Public Health and Speech Pathology & Audiology

1 Funded, 2 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.	
✓	This project deals with human health and wellness issues.	
	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?

Yes

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:

public schools in O'Fallon, IL and on SIUE campus in research lab

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

The project will compare the middle ear function of children receiving therapy for atypical speech and language development in O'Fallon District 90 Schools to a population of children with typical speech and language development, also in the O'Fallon, IL district 90 schools.

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 student will be asked to assist in completion of the literature review, communicate with the control and experimental groups regarding appointments and other logistics, collaborate on writing the methods protocol, analyze data to determine statistical significance, and provide a discussion of results. Based on outcome of the research, the student may also help develop a hearing/middle ear status screening protocol for children receiving speech/language therapy at the SIUE SLHC, if appropriate. The students will (upon IRB approval - proposal has been submitted) 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?

Yes

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:

Research meetings will be held on Friday mornings. Data collection will occur according to the O'Fallon school districts approval and the researchers' schedules -TBD.

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

Yes - to and from O'Fallon, IL

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

No pre-requisites are required.

Other requirements or notes to applicants:

Data collection will take place on children ages 4-9 years old. Applicants should have a strong desire to work with children.