**Faculty Project Description**

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| **Faculty Name** | **Sophie E. Ambrose Ph.D.** |
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| Source of Research Support | NIH-NIDCD |

**Overview of Scholarly Research Activities:**

My research seeks to identify factors during infancy that are predictive of later linguistic success for children who are deaf and hard of hearing (D/HH). This work involves examining the contributions of parental verbal and gestural input to the communication development of children who are D/HH. My research also seeks to identify those aspects of prelinguistic communication that are precursors to later spoken language success for this population of children. These investigations take on a variety of formats, including analyzing communication within parent-child interactions, analyzing audio-recordings of children’s auditory environments, and use of questionnaires that tap into parent perspectives on a variety of topics. This work is conducted with D/HH children who utilize hearing aids and/or cochlear implants as well as control groups of children with normal hearing.

**Basic Skills & Techniques for Undergraduate Students:**

Students will learn to identify children’s prelinguistic and linguistic communication attempts and to analyze parental input and parental responsiveness to children’s communication attempts. Students may also participate in other aspects of ongoing projects including subject recruitment, parental consent, subject testing, data collection and analysis.

**Prerequisite Classes or Other Experience:**

Courses in statistics and child development are recommended, though not required.

**Time Commitment:**

5-10 hours per week. Times are flexible, as some work will be conducted with previously collected data.