

Facilities and Equipment

Beckman Laboratory, UIUC: *Speech Lab*: This room in Beckman contains office space for 5 graduate students. This is where speech testing is done on student subjects for psychophysical tests. The room contains computers for the students (one computer per desk), equipment for stimulus generation and computation, software for presentation of stimuli, network, earphones, etc. A BW printer is available in the room. Each student has a laptop computer along with a desktop, for general purpose computing, with Matlab networked via the central facilities at Beckman. *Computers*: All of our computers are networked together using a Linux network. Wideband Internet services are provided by the Beckman Institute at no extra charge. The speech lab runs a local subnet so that laptops may be easily connected into the backbone without going through central services, Support personnel for maintenance of computers is available, however the PI does his own computer support.

Office: Office space is provided for the PI and the graduate students at Beckman. Phone service and computer services are provided. Prof. Allen's office is across from the Speech Lab.

Office: Office space is provided for PI Johnson and her graduate students in the Speech and Hearing Science Bldg.

Child Language Lab: Prof. Johnson has a three-room lab suite in the Speech and Hearing Science Building. The lab contains a computer that research assistants can use, statistical analysis software, earphones, video and audio recording equipment, and data storage cabinets and shelves. Additionally, there are two rooms set up for data collection with school-age subjects. Prof. Johnson also has a second five-room lab suite at The Children's Research Center (CRC) building on campus. That suite has a large office space for Prof. Johnson, an office for research assistants, a large data collection room set up like a classroom (for running small groups of research subjects), a small waiting room for the families of research participants, and a data analysis room. The CRC suite is only 2 blocks from the Speech-Language Clinic, run by the Dept. of Speech and Hearing Science.

Speech-Language Clinic: The Speech-Language Clinic offers complete diagnostic, intervention, and consultation services to a few hundred children and adults annually, and aids in clinical investigations conducted by faculty of the Dept. of Speech and Hearing Science. This resource would be available to the proposed project for subject recruitment and data collection. The clinic is located in the Research Park section of the University, and occupies the north half of a recently constructed building shared with Chesterbrook Academy (a preschool day-care program). The clinic has a number of clinical/research spaces for data collection, which are equipped with state-of-the-art video and audio recording technology. There also is a waiting room for families, a home living area (with a combined kitchen-living room), rooms for working with young children, and a large playroom equipped for multisensory stimulation. Office space is available for researchers and their assistants.

Department of Speech and Hearing Science, UIUC: The Department is housed in its own building, the Speech and Hearing Science Building, which was designed specifically for the discipline. The Speech and Hearing Science Building was completed in 1977 and includes many of the classroom, office, clinic, and laboratory spaces that are utilized by the program. Most laboratory space is located in the Speech and Hearing Science Building, but two large additional spaces outside of the building have also been assigned to the Department. Laboratory spaces include the Evoked Potential Laboratory, the Auditory Perception and Neuroscience Laboratory, the Auditory Neural Coding and Auditory Plasticity Laboratory, the Language Development Laboratory, the Child Language and Literacy Laboratory, the Discourse Analysis Laboratory, the Child Language Laboratory, the Speech Anatomy Laboratory, the Swallowing Research Laboratories, the Visual Processes Laboratory, the Auditory-Visual Perception Laboratory, the Signed Languages Laboratory, the Data Analysis Laboratory, the Multicultural Studies and Child Language and Traumatic Brain Injury Laboratory, the Medical Imaging Research Laboratory, and the Stuttering Research Data Acquisition Laboratory. The Department also houses an Audiology Clinic and a Speech-Language Pathology Clinic.

Audiology Clinic: The Audiology Clinic has two double-walled commercially produced sound-treated booths. The booths house two clinical diagnostic audiometers (GSI 16 and AC 40), CD players, supraaural and insert earphones, bone conduction transducers, talkback systems and participant response devices, and two real ear hearing aid test units (FP40D). The clinic has two acoustic immittance devices (an AE 206 screener and a Zodiac 901), and two additional hearing aid test units, a Frye Fonix 6500 and a Frye FP40D. Also in the clinic are two computers with a HI-PRO box and cables and NOAH and cables, an ultrasonic cleaner device, and otoscopes and ear canal examination and cerumen management supplies. An Earmold Room contains a video otoscope, earmold materials, earplugs, a drill and buffer, a third immittance screener (American 85 AR impedance screener), and hearing aid repair materials. An Assistive Listening Devices room contains a VCR, assorted assistive listening devices (for television and telephone, alerting devices), computers, and a NOAH with cables.