**Comparative Perception Laboratory**

**Principal Investigator:** William Shofner

- **Description of research:** We investigate how the physical features of human sounds are processed in the auditory nervous system to give rise to the perceptual attributes of sound. Understanding the psychophysical and perceptual capacities of the auditory nervous system is critical to understanding how the nervous system processes information from the environment. We focus on auditory perception, psychophysics, and neuropsychology of the nervous system in the context of psychoacoustics.

- **Specialized equipment:** Various tools are used to measure auditory performance and brain activity, including functional MRI, EEG, and MEG.

- **Representative publications:**

- **Contact information:** William Shofner <wschofer@indiana.edu>

**Speech Production Laboratory**

**Principal Investigator:** Steven Lulich

- **Description of research:** We study the acoustic, prosodic, and motoric characteristics of speech production in normal and pathological conditions. Our research focuses on understanding the neurophysiological bases of speech production and the impact of neurodegenerative diseases on speech.

- **Specialized equipment:** We use a wide range of equipment for creating experimental stimuli, including speech production software, and specialized equipment for creating experimental stimuli.

- **Representative publications:**

- **Contact information:** Steven Lulich <slulich@indiana.edu>

**Speech Acoustics Laboratory**

**Principal Investigator:** Karen Forrest

- **Description of research:** We focus on the role of speech production in Parkinson's disease (PD) and the impact of treatment on speech characteristics. Our research aims to understand the behavioral, physiological, and neural correlates of speech production in PD.

- **Representative publications:**

- **Contact information:** Karen Forrest <kforrest@indiana.edu>