

Postdoctoral Research Position in Auditory Perception

A postdoctoral position is available to study how auditory perception is affected by brain plasticity due to experience with hearing loss and hearing devices, i.e. how experience with abnormal auditory inputs changes how sounds are processed. Our focus is on models of spectral integration between ears. Other areas of interest include how spectral integration changes during development in children, and how to apply this information to design novel training and compensation strategies that improve speech perception with hearing devices. These questions are studied in adults and children with normal-hearing, hearing loss/hearing aids, and cochlear implants.

The laboratory is based in the Oregon Hearing Research Center and Department of Otolaryngology at Oregon Health and Science University, located in Portland, Oregon. This position is supported by an NIDCD/NIH R01 grant.

Requirements include: 1) a Ph.D. in Biomedical Engineering, Neuroscience, Psychology, or a hearing-related field; 2) Experience with psychophysical experiments and working with human subjects; 3) Excellent written and verbal communication skills. Preference will be given to individuals who have experience with perceptual or computational models, and programming in MATLAB and/or C++.

Interested applicants should email a cover letter, curriculum vita, copies of paper reprints, and contact information for three references to Lina Reiss, Ph.D., at reiss@ohsu.edu