

Research assistant / Lab manager position available in the O-Lab at Duke University

We are looking for a highly motivated recent or soon-to-be graduate to join the <u>O-Lab</u>, led by Prof. Tobias Overath, in the <u>Department of Psychology & Neuroscience</u> at <u>Duke University</u>. Work in our lab investigates how sounds, from simple sinusoids to complex speech signals, are analyzed in the human brain, using a combination of behavioral (psychoacoustics) and neuroimaging methods (fMRI, EEG, ECoG) to track the underlying neural processes. Current projects investigate the transformation from acoustic to linguistic analysis of temporal speech structure in subcortical and cortical structures of human auditory cortex, online measures of statistical learning, and optimization of cochlear implant coding strategies.

Applicants should have received an undergraduate degree in psychology, neuroscience, biomedical engineering, or a related field by summer 2021. A strong interest in how the brain processes sound is a plus, as is excellent knowledge of at least one programing language (preferably Matlab). Familiarity with fMRI, EEG, and/or a related experimental technique is also very welcome. The main emphasis of the position will be on being involved with, and taking the lead on, research projects, thereby gaining valuable research experience for future applications to graduate school. Bureaucratic aspects of the position (such as scheduling and reimbursement of participants, lab equipment purchases, IRB protocols, etc.) are projected to be comparatively limited.

<u>Duke University</u> provides a vibrant, highly connected scientific environment, with many relevant departments and interdisciplinary initiatives (e.g. Departments of <u>Neurobiology</u>, <u>Biomedical Engineering</u>, <u>Electrical and Computer Engineering</u>; <u>Center for Cognitive Neuroscience</u>, <u>Duke Institute for Brain Sciences</u>, <u>Brain Imaging and Analysis Center</u>). In addition, the Research Triangle area (Durham, Chapel Hill, Raleigh) boasts a wealth of research initiatives.

Prospective start date is August or September, 2021. Applications will be reviewed until the position is filled. Candidates from diverse and underrepresented backgrounds are expressly encouraged to apply.

Applications should be officially submitted via Duke's Careers <u>website</u>, requisition ID 108428. In addition, please feel free to also send a cover letter, CV, and a list of 3 potential references, directly to Tobias Overath via email: t.overath@duke.edu