**POSTDOCTORAL POSITION IN AUDITORY NEUROSCIENCE**

**UNIVERSITY OF MEMPHIS**

The Auditory Cognitive Neuroscience Laboratory (ACNL) (<http://www.memphis.edu/acnl/>) located at the University of Memphis invites applicants for a fully-funded postdoctoral fellow position in human auditory neuroscience. The ACNL, directed by Dr. Gavin Bidelman, is affiliated with the Institute for Intelligent Systems (<http://www.memphis.edu/iis/>) and is housed in the School of Communication Sciences & Disorders (CSD) (<http://www.memphis.edu/csd/>). The position has an immediate start date, depending on applicant availability.

This position is part of a 5-year, NIH/NIDCD funded R01 project that examines the central neural mechanisms and plasticity of speech perception, auditory categorization, and novel sound learning. The successful candidate will work in a highly interdisciplinary and collaborative team including Speech-Hearing Scientists, Electrical-Computer Engineers, and Cognitive Psychologists to spearhead neuroimaging research on the brain dynamics underlying complex auditory perception-cognition.

Experimental approaches include multichannel EEG, brainstem and cortical ERPs, eye-tracking, and lab vs. real-world auditory listening paradigms. Training opportunities include state-of-the art techniques including EEG source imaging, functional connectivity, and “big data science” approaches to decode electrical brain activity in association with auditory perceptual outcomes and individual differences in listening skills. The candidate will be expected to contribute to all stages of the research including designing experiments, supervising PhD and AuD students for data collection, analyzing data, and disseminating results.

The lab is housed in a new building with state-of-the-art teaching, research, and clinical facilities ([www.memphis.edu/chbuilding/](http://www.memphis.edu/chbuilding/)). Additional information on research in the department can be found here: <http://www.memphis.edu/csd/research/index.php>.

Candidates should have a PhD in speech/hearing science, cognitive neuroscience, psychology, or a related field. Individuals with expertise in electrical engineering, signal processing, and MATLAB programming are particularly encouraged to apply. Previous background in human neuroimaging techniques (EEG, MRI) and behavioral speech testing is highly desirable, but not required. Salary is commensurate with the NIH pay schedule.

To apply, complete an online application at <https://workforum.memphis.edu/postings/19235> or search for position #021195. Applications should include a (1) cover letter describing research experience & interests, (2) CV, (3) representative publication reprints, and (4) contact information for three references. Inquiries can be directed to the project’s PI: **Gavin Bidelman, PhD** [g.bidelman@memphis.edu]. EE/AA Employer.