

## POSTDOCTORAL POSITION IN AUDITORY COGNITIVE NEUROSCIENCE INDIANA UNIVERSITY

The Auditory Cognitive Neuroscience Laboratory (ACNL) ([bidelman.lab.indiana.edu](http://bidelman.lab.indiana.edu)) invites applicants for a 12-mo postdoctoral position in human auditory neuroimaging. The ACNL, located at Indiana University—Bloomington, is directed by Dr. Gavin Bidelman and is housed with the Department of Speech, Language and Hearing Sciences (<https://sphs.indiana.edu>). The position has a preferred start date of August 1, 2022, depending on applicant availability.

This position is part of a 5-year, NIH funded project that examines the central neural mechanisms and plasticity of auditory perception, speech 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 hearing skills.

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 doctoral and undergraduate students for data collection, analyzing data, and disseminating results.

Information on the department’s research programs and new state-of-the-art facilities can be found here: <https://sphs.indiana.edu/research/index.html>  
<https://iuhealth.org/find-locations/iu-health-bloomington-hospital>

Candidates should have a PhD in speech/hearing science, cognitive neuroscience, psychology, or a related field (e.g., electrical or biomedical engineering). Expertise in human electrophysiology (M/EEG), neurostimulation (TMS/tDCS), and/or neuroimaging (fMRI) is required. Individuals with MATLAB/Python programming and signal processing expertise are particularly encouraged to apply. Salary is commensurate with the NIH NRSA pay scale.

To apply, send your (i) CV, (ii) cover letter describing research experience & interests, (iii) representative publications, and (iv) names of 2-3 contacts for recommendations to Gavin Bidelman [[gbidel@indiana.edu](mailto:gbidel@indiana.edu)]. Applications will be considered on a rolling basis but we anticipate a start date of late Summer 2022.

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment based on individual qualifications. Indiana University prohibits discrimination based on age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status. Applications from women and minorities are especially encouraged. Indiana University is responsive to the needs of dual-career couples. For more information about the university and the department, consult the department’s web pages at <http://www.indiana.edu/~sphs>.