

The **Perceptual Psychology group at the Institute of Psychology at the Friedrich-Alexander-University Erlangen-Nürnberg** is seeking a

Research assistant (m/f/d) (doctoral researcher)

75 % (30.08 hrs./week) TV-L E 13

for the DFG Project "**The neural dynamics of causal evidence accumulation in multisensory perception**" as of 1.1.2026 or as soon as possible, limited for **3 years**.

The project investigates how the brain collects audiovisual sensory information to create a multisensory perception of the environment. The central question is what criteria the brain uses to decide whether sensory information should be integrated or not. For this purpose, we will use psychophysical and neurophysiological methods as well as computational modelling.

Tasks in the project include:

- Planning and conduction of audiovisual psychophysical studies with electroencephalography (EEG) and functional magnetic resonance imaging (fMRI)
- Statistical analysis, computational modelling and presentation of behavioural, EEG data and fMRI data
- Presentation of results on scientific conferences
- Writing manuscripts for publications in international journals
- Working in a team
- Co-supervision of student assistants and study theses

Required Qualifications:

The applicant should have a strong interest in the research topics of the Perceptual Psychology Group, particularly multisensory perception. They should also be interested in scientific work that is oriented towards open science principles. Alongside a high level of social competence, teamwork and communication skills, and the ability to work independently and take responsibility, the following qualifications are required:

- Above-average degree in Psychology, Cognitive Neuroscience, or a related discipline relevant to the research question (M.Sc., about to be completed or completed upon hire).
- Very good knowledge of experimental research methods and statistics, experience with statistical software (e.g. JASP, R)
- Programming skills (e.g. in Matlab, Python/Psychopy and/or R) or willingness to acquire the skills
- Good knowledge of German or English

Desirable Qualifications:

- Experience conducting research with human participants in behavioral and/or neuro-physiological experiments such as EEG or fMRI
- Experience with the analysis of behavioral and/or neurophysiological data, especially EEG data (e.g., in Matlab with EEGLab, Brainstorm or FieldTrip) or fMRI data (e.g. SPM)

We offer:

- Collaboration in an innovative and creative research project
- Possibility to pursue a doctorate (PhD) under highly motivated supervision
- Integration into a friendly, growing research team that follows Open Science principles
- Salary according to the usual payment for scientific employees (TV-L E13, 75%, for 3 years)
- Access to up-to-date research equipment in a multisensory laboratory: 64-channel EEG, psychophysiological measurements (e.g., EMG), eye-tracking and devices for the presentation of visual, olfactory and auditory stimuli
- Working environment at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU), one of Germany's strongest research and innovation-leading universities with over 40,000 students and a broad interdisciplinary range of study and research programmes in a vibrant metropolitan region with a high quality of life.
- Integration into the research network [Sensory Sciences](#) at FAU

The Friedrich-Alexander-Universität Erlangen-Nürnberg aims to increase the proportion of women in research and teaching and therefore expressly invites applications from appropriately qualified women. Severely disabled persons will be given preference in the case of equal suitability.

Earliest hiring date: February 1, 2026

Application deadline: October 31, 2025

Please send follow-up questions to **Prof. Dr. Tim Rohe** (tim.rohe@fau.de).

Please send your application documents including CV, letter of motivation (1 page) with a short description of own qualifications and research interests, copies of academic qualifications, contact details of at least 1 potential referee* and a writing sample (e.g. bachelor or master thesis) in electronic form in a single PDF file to **Prof. Dr. Tim Rohe** (tim.rohe@fau.de) by **October 31, 2025**.