

Department of Logic and Cognitive Science, AMU (Research Assistant Position)

Position: Research Assistant in Cognitive Psychology and Perception Studies

Description:

This internship offers a unique opportunity to engage in various projects at the intersection of psychophysics, cognitive science, psychology, and nutrition science exploring:

- Auditory perception and psychophysics: understanding how we perceive and process information from various sensory modalities, such as hearing, vision and exploring their roles in everyday life and cognitive functioning.
- Tinnitus studies: exploring the mechanisms of tinnitus and its impact on mental health and quality of life.
- Diet, gut microbiome, and cognition: studying how diet and the microbiome influence cognitive abilities and mental health, including the role of bacterial metabolites in brain functioning.

Duration and Commitment

- **Flexible Duration:** 3-12 months, tailored to your availability and goals.
- **Work Hours:** 10-20 hours per week.
- **Hybrid Work Model:**
At least 1/4 of the total time will be spent working on-site in the lab at the Faculty of Psychology and Cognitive Science, while the remaining time can be completed remotely.

Key Responsibilities

As a research assistant, you'll play an active role at every stage of ongoing projects, gaining invaluable hands-on experience. Your main tasks will include:

1. Conducting literature reviews: summarizing recent scientific advancements, identifying research gaps, and synthesizing findings to support ongoing studies.
2. Experimental design and execution: helping to design, set up, and conduct experiments. This includes studies on auditory processing, psychophysics, and cognitive performance.
3. Data management and analysis: assisting with data collection, cleaning, and basic statistical analysis. You'll gain experience in organizing datasets and extracting meaningful insights.
4. Preparation of research reports: collaborating on reports and presentations to communicate findings. You may contribute to draft research papers, abstracts, or posters for academic conferences.
5. Support for empirical studies: assisting with participant recruitment, experiment logistics, and pilot testing.
6. Exploration of gut microbiome research: helping analyze literature and potential links between diet, microbial metabolites, and cognitive health.

Tasks will be tailored to your individual strengths and areas of interest, ensuring you gain relevant experience aligned with your career goals.

Ideal Candidate

I warmly invite motivated and enthusiastic individuals who are eager to engage in research. While previous experience is not required, an ideal candidate should possess:

- English proficiency (B2 level or higher): for communication, report writing, and literature analysis.
- Curiosity and passion: a strong interest in cognitive science, auditory perception, psychophysics, or the gut-brain connection.
- Attention to detail: ability to follow protocols, manage data, and work accurately.
- Digital literacy: familiarity with Open Sesame, Python, R, SPSS or basic data analysis tools is a plus.
- Adaptability: willingness to learn new skills, work independently, and engage in team discussions.