

Experiment Auditory Attention and EEG

Thank you for your interest in participating in the experiment, which is part of a larger project on attention – the ability to locate a speaker and pay attention to the meaning of what is being said.

Here is some practical information on how to participate.

1. The laboratory

The experiment takes place in the biology faculty (<https://www.lw.uni-leipzig.de/institut-fuer-biologie>), in the open field laboratory.

Address: Stephanstraße 24, 04103 Leipzig, Germany.

Public transport:

Bayerischer Bahnhof (S2, S3, S4, S5, 2, 9, 16, 60, 412)

- 7 minutes walk

Liebigstraße (60) - 6 minutes walk

Ostplatz (12, 15, 36, 60, 690) - 9 minutes walk

If you come from Liebigstraße, you will see a grey metal gate that leads to the laboratory complex. Go up the stairs to the large door and we will pick you up there at the agreed time, as the laboratory itself is in the basement.



2. Experimental procedure

The gate to the laboratory.

1. Declaration on data protection and collection of bank details
2. Questionnaire
3. Preparation for the EEG (approx. 30 minutes)
4. Explanation of your task → **Please read the written description and instructions on the experiment procedure in advance**
5. Start of the experiment (approx. 40 minutes) - with breaks if necessary
6. Your feedback on the experiment procedure

At the beginning you will be familiarized with the room and the equipment. The procedure of the individual tests will be described separately. You are welcome to ask lots of questions so that the whole procedure is understandable.

During the experiment you will be on a height-adjustable chair in front of loudspeakers in a soundproof room. In total we will record brain data three times using electroencephalography (EEG). It is a safe and non-invasive technique that records brain activity. You will wear a special cap that allows electrodes to be attached to your head. These electrodes collect information about the brain waves. To ensure that the signal reaches the electrodes, we put some gel between the electrodes and the scalp. The gel is neutral for the skin and hair, but you can wash your hair after the experiment is finished. Towels, hair dryer and shampoo are provided. If necessary, you can bring a **hairbrush**. Please note that on the days when EEG measurements are taken, **you should not use any hair products (wax or hairspray) beforehand and that your hair is dry.**



3. Compensation and data protection:

You will receive compensation of €10 per hour. Before starting, you can write down your bank details. Please note that the transfers take **a really long time**, you should expect about 2-3 months.

Your recorded data during the experiment will be stored anonymously.