

EEG Study: Participants Wanted (Age 45-80 years)

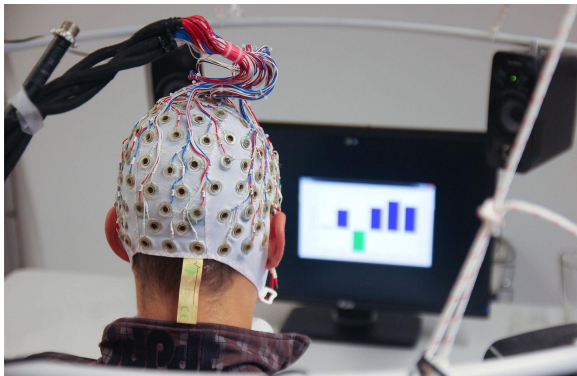
Language deficits are commonly observed after a stroke in the left brain hemisphere. The resulting communication problems have a negative impact on the patient's quality of life and are difficult to treat successfully.

To investigate a novel language training method which has been developed in our lab to support the recovery of language deficits in chronic stroke patients, **we seek healthy, Dutch native speakers aged 45–80 years.**

Duration: Single session of up to 4 hours

Reimbursement: 10 € per hour

Location: Radboud University, Thomas van Aquinostraat 4, Nijmegen.



The study involves the non-invasive recording of brain signals using an electroencephalogram (EEG). This requires the application of a gel-based cap and a hair wash after the session, but does not involve any risks or pain. The study is funded by the Radboud University and is conducted by the Neurotechnology lab headed by Dr. Michael Tangermann.

Participants will be asked to listen to some Dutch words and ignore other words that are played via loudspeakers or headphones, while their brain activity is measured by EEG.

If you are interested to support our fundamental research on language rehabilitation, please check, if you fulfill these criteria:

- You are between 45-80 years old.
- You are a Dutch native speaker and have been raised monolingual
- You do not have a known hearing impairment
- A potential vision impairment is corrected by glasses/contact lenses.
- You are right handed.
- You did not receive more than 1 year of full time musical education or more than 5 years of part time musical education.
- You have no traumatic brain injury, no history of or current neurological, psychological or psychiatric conditions.
- You are not on medication or drugs which affect cognition or vigilance.

To participate in the study and to clarify your questions please contact Simon Kojima:

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