

## **Postdoctoral Researcher position on decision making and learning, Institute of Experimental Psychology, Heinrich Heine University Düsseldorf, Germany**

Applications are invited for a postdoctoral position for two years on an ERC-funded project in the Biological Psychology of Decision Making Group headed by Gerhard Jocham. The lab investigates the neural and computational mechanisms of reward-guided learning and decision making in humans. The project is focussed on the relationship between neurochemistry, cortical dynamics, and decision making. This will be investigated using a combination of MEG, pharmacological intervention, and computational modelling. The successful candidate is expected to conduct their own experiments, but there is also the option to work on already existing data sets (MEG and behaviour).

We are seeking enthusiastic candidates with a strong interest in decision making. Applicants should have a PhD in psychology, neuroscience, or a related field. Demonstrable experience with either MEG or EEG and good programming skills (e.g. Matlab, Python) are essential. You will be thorough, efficient, a good communicator and enjoy both working independently and as part of a dynamic team. An excellent command of English is expected.

The Heinrich Heine University Düsseldorf, in collaboration with nearby Research Centre Jülich, provides an excellent environment for cutting-edge neuroscience. Being embedded in the local neuroscience community, you will additionally benefit from the interactions with other researchers in the departments of psychology, medicine, and the Research Centre Jülich.

Pay scale will be (subject to the applicant's qualification) public sector pay grade TV-L 13. Starting date is flexible, but no later than 1 Dec 2023.

Applications should include a brief (max. 1 page) statement of research experience/interests and academic achievements, a CV, certificates, and names of at least 2 referees (please refrain from including letters of recommendation). Please send your application electronically as a single PDF file to Gerhard Jocham ([gerhard.jocham@hhu.de](mailto:gerhard.jocham@hhu.de)). Applications will be considered on a rolling basis until the post is filled.



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### **#tl;dr:**

- Postdoc position: 2 years, starting date flexible (but no later than 1 Dec 2023)
- Topics: learning, decision making, cortical computations, neuromodulator effects
- methods: M/EEG, modelling, neuropharmacology
- required: PhD, M/EEG experience, strong programming/formal skills
- offer: payscale TV-L 13, excellent research environment, friendly team, all in lovely city
- to send: cover letter + CV + referee names (no recommendation letters please!)