



# Technical Lab Manager

**Institution:** Faculty of Psychology and Human Movement Science, Institute of Psychology, Clinical Psychology and Psychotherapy

**Salary level:** [EGR. 13 TV-L](#)

**Start date:** 01.10.2024

**End of employment period:** permanent

**Supervisor:** no

**Application deadline:** 02.06.2024

**Scope of work:** full-time position suitable for part-time

**Weekly hours:** 39

**Repeat call for applications:** no

## Responsibilities

### Laboratory management tasks include:

- Development of software solutions for connecting large devices (e.g. EEG, TMS, eye tracker, motion tracker) with experimental setups
- Development of specialized software solutions for experimental paradigms
- Programming experimental test sequences, e.g. stimulus presentations, moving image stimuli etc.
- Analysis and evaluation of experimental data, such as EEG, ECG, EMG, EDA, EOG, respiration or eye-tracking data and other behavioral data
- Setup and supervision of stationary and ambulatory clinical biofeedback and neurofeedback systems
- Technical consulting of lab members
- Conducting and supporting complex data analyses
- Support in selecting and commissioning the purchase of large devices (requesting offers, negotiating discounts where applicable)
- Advancement of the data management and open science infrastructure of the department

- (Occasional) support in the administration of the department's IT infrastructure

### What you can look forward to:

Our research group in Clinical Psychology and Psychotherapy offers an excellent research environment for the translation of basic neuroscience findings into clinical research paradigms and new interventions. We are particularly interested in the cognitive and affective mechanisms that are responsible for the formation and maintenance of psychotic symptoms, such as delusions and hallucinations. Our aim is to develop innovative and effective interventions to address these mechanisms. We follow a transparent research approach (open science) and welcome the inclusion of people with lived experience of psychosis in the development and implementation of research projects.

You will be conducting varied activities in a lively and highly motivated team and an excellent research infrastructure. You will benefit from our clinical and methodological expertise and our national and international networks, as well as from numerous opportunities to expand or deepen your own scientific skills. We strive for good team spirit every day. Teamwork is essential to achieve our ambitious goals to the benefit of advancing knowledge and helping patients.

Your personal development and the best possible work-life balance are important to us. You will have numerous opportunities to expand and deepen your own scientific skills. Depending on your preferences and needs, you will benefit from:

- close integration into the interdisciplinary research unit "Contextual influences on dynamic belief updating in volatile environments: Basic mechanisms and clinical implications" (see <https://www.uni-hamburg.de/newsroom/presse/2023/pm38.html>)
- a considerable amount of working time for and support with achieving your own scientific projects and goals
- Participation in a variety of innovative research projects.
- the opportunity to participate regularly in internal colloquia, external lectures and a variety of method workshops
- the opportunity to network nationally and internationally, e.g. by attending conferences
- the opportunity to integrate interns and supervise Master and Bachelor students as part of your own research projects
- intensive onboarding and familiarization
- the opportunity for further and advanced training, e.g. parallel clinical training (with the exception of PT I and PT II)

### Requirements

- Completed university degree in a relevant field
- Doctorate (PhD)

### Required skills and personal qualities

Documented knowledge and skills in at least 5 of the following areas:

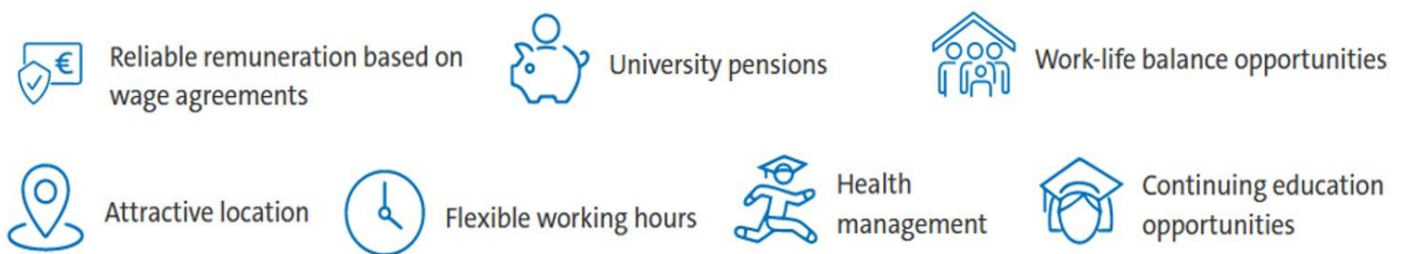
- Software development in general
- Programming, especially in MATLAB, Python and related programs
  - Complex EEG analyses

- Measurement and evaluation of psychophysiological data, such as ECG, EMG, EDA, EOG, respiration or eye-tracking data
- Complex data analyses, such as computational modeling or machine learning
- Data management and backup systems
- IT administration
- Research experience in experimental psychology or cognitive neuroscience

### Your personal skills cover the following areas:

- Communication and collaboration skills
- Flexibility and willingness to undergo further training in relevant fields of work
- Decision-making ability
- Resilience
- Ability to innovate

### We offer



Universität Hamburg—University of Excellence is one of the strongest research educational institutions in Germany. Our work in research, teaching, educational and knowledge exchange activities is fostering the next generation of responsible global citizens ready to tackle the global challenges facing us. Our guiding principle “Innovating and Cooperating for a Sustainable Future” drives collaboration with academic and nonacademic partner institutions in the Hamburg Metropolitan Region and around the world. We would like to invite you to be part of our community to work with us in creating sustainable and digital change for a dynamic and pluralist society.

The Free and Hanseatic City of Hamburg promotes equal opportunity between the sexes. In accordance with Section 7 subsection 1 of the Hamburg equal opportunity act (Hamburgisches Gesetz zur Gleichstellung von Frauen und Männern im öffentlichen Dienst, HmbGleiG) we expressly call for women to apply. Equally qualified women applicants will receive preference in the selection process.

We explicitly encourage persons with an immigrant background to apply.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

### Contact

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### Location

Von-Melle-Park 5, 20146 Hamburg

Send us your complete application documents via the online application form only: <https://www.uni-hamburg.de/en/stellenangebote/formular.html?jobID=c018c9ac3f66fdcde22c81394450c4dadfb988e5>

If you experience technical problems, send an email to [bewerbungen@uni-hamburg.de](mailto:bewerbungen@uni-hamburg.de).

More information on [data protection](#) in selection procedures.