The University of Vienna (20 faculties and centres, 179 fields of study, approx. 10,000 members of staff, about 90,000 students) seeks to fill the position from 01.03.2022 of a

**University Assistant (prae doc)**

at the Research Group Neuroinformatics

at the Faculty of Computer Science, University of Vienna
under the supervision of Prof. Grosse-Wentrup

Reference number: “#06 PC2: Neuroinformatics, Prof. Grosse-Wentrup”

The Faculty of Computer Science of the University of Vienna has world-leading researchers in Computer Science who pursue basic as well as applied research. The UniVie Doctoral School Computer Science (DoCS) builds an essential framework to foster excellence in research and teaching. Its main focus are young prospective researchers eager to make an impact on both basic research as well as applied problems with collaborations across the University and beyond. The DoCS aims to provide these young researchers with the broad knowledge and expertise needed to perform Computer Science research at the highest achievable quality. The Doctoral School trains doctoral candidates in solving basic as well as applied research questions of high relevance.

The Research Group Neuroinformatics develops machine learning and artificial intelligence (AI) algorithms to uncover relations between neuronal activity, cognition and behaviour. Individual projects range from theoretical research on the foundations of causality and AI over applications in model systems, e.g., C. elegans and zebrafish larvae, to brain-computer interfaces (BCIs) for communication with and rehabilitation in severely paralyzed patient groups.

**Duration of employment**: 3 years (The announcement is made for 3 years, whereby the employment relationship is initially limited to 1.5 years and is automatically extended to a total of 3 years, unless the employer submits a declaration of non-renewal after a maximum of 12 months. In case of probation and appropriate work progress an extension to 4 years is possible.)

**Extent of employment**: 30.0 hours/week

Job grading in accordance with collective bargaining agreement: §48 VwGr. B1 Grundstufe (praedoc) with relevant work experience determining the assignment to a particular salary grade.

**Job description**

Participation in research, teaching and administration:
- Participation in research projects / research studies
- Participation in publications / academic articles / presentations
- We expect the successful candidate to sign a doctoral thesis agreement within 12-18 months.
- Participation in teaching and independent teaching of courses as defined by the collective agreement
- Supervision of students
- Involvement in the organisation of meetings, conferences, symposiums
- Involvement in the department administration as well as in teaching and research administration

The research should either focus on the foundations of causal inference and reasoning or on the development of AI-systems for brain-computer interfacing.
Profile
- A Master degree in Computer Science, Mathematics, Neuroengineering, Physics, or a related discipline.
- Excellent analytic skills
- Strong programming skills
- Didactic competence
- High ability to express yourself both orally and in writing
- Excellent command of written and spoken English
- IT user skills
- Ability to work in a team

Desirable qualifications are
- Python skills
- Experience in causal inference and reasoning
- Experience in machine learning for brain decoding
- Teaching experience
- Experience abroad
- Basic experience in research methods and academic writing

Application documents
- Curriculum vitae
- Letter of Motivation including ideas for a prospective doctoral project proposal
- Abstract of master thesis
- Degree certificates
- List of publications, evidence of teaching experience (if available)

For further information please contact Moritz Grosse-Wentrup (moritz.grosse-wentrup@univie.ac.at).

Applications should be submitted via the recruiting tool Apply@DoCS | Servicedesk Universität Wien (univie.ac.at), no later than 30.11.2021, mentioning reference number “#06 PC2: Neuroinformatics, Prof. Grosse-Wentrup”.

The University pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity (http://diversity.univie.ac.at/). The University lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.

The candidate who is selected for this position joins the DoCS as doctoral student member.