

Job Advertisement

Johannes Gutenberg University Mainz (JGU) is one of the largest universities in Germany. Its status as a comprehensive university allows for multidisciplinary learning and teaching and has great potential for internationally renowned, interdisciplinary research. Almost all of its institutes are located on a single campus close to the Mainz city center – creating a lively academic culture for researchers, teaching staff, and students from every continent.

The **von der Wense Natural Language Processing (NALA) group** headed by Prof. Dr. Katharina von der Wense at the **Institute of Computer Science** of JGU aims to fill the following vacancy **as soon as possible**:

1 Academic Staff Member (PhD Position) in Natural Language Processing (Salary class 13 TV-L, 100%-time)

The selected applicant will contribute to the MAINCE project, which is funded by the Carl-Zeiss-Foundation. The goal of MAINCE is to advance medical drug research by automating the investigation of the mechanisms of action of various molecules as much as possible. The applicant will work in the area of **natural language processing**. Among other things, they will develop algorithms and language models to analyze medical publications as well as other relevant data.

The Institute of Computer Science at JGU specializes in data science. Prof. von der Wense's Group NALA is hosted at both JGU and the University of Colorado Boulder in the USA and is internationally visible (<https://nala-cub.github.io>). The selected applicant is expected to regularly collaborate with members of the NALA group as well as with researchers working on the MAINCE project.

Your Tasks

- Independent research and publishing in the field of natural language processing with limited amounts of data, especially for medical applications;
- supervision of students who are working on short-term research projects (e.g., for their master's thesis);
- collaboration with an interdisciplinary group of researchers as part of MAINCE.

Your Profile

In addition to the general requirements according to public services law, applicants must meet the following recruitment requirements stipulated in § 57 of the *Hochschulgesetz* of Rhineland-Palatinate:

- A successfully completed university degree in computer science, mathematics, computational linguistics, or related areas.

Ideally, applicants also meet the following requirements:

- Research experience in the field of natural language processing;
- excellent proficiency in oral and written English;
- very good programming skills (especially in Python);
- ability to work in a team as well as independently.

What We Have to Offer

- Independent work in a highly qualified and motivated team;
- *Jobticket*, optional for the entire Rhine-Main area;
- extensive human resources development offer;
- flexible working time arrangements.

The position is paid according to **EG 13 TV-L** (full-time) and to be filled by July 01, 2024. The position is limited to a period of 3 years. The position serves the purpose of academic qualification (doctorate).

JGU is diverse and welcomes qualified applications from people with varied backgrounds. We aim to increase the number of women in the field of research and teaching and therefore encourage female researchers to apply. Candidates with severe disabilities and appropriate qualifications will be given priority.

Are you interested? Then submit your complete application [cover letter, CV, high school diploma, relevant university and employment certificates] by **May 15, 2024**, via email to Prof. Katharina von der Wense (k.vonderwense@uni-mainz.de). For questions and further information please contact Prof. Katharina von der Wense directly via e-mail.

You will find the information on data protection in dealing with your application at: <https://stellenboerse.uni-mainz.de/HPv3.Jobs/jgu/datenschutz>