

The **Department of Mathematics and Informatics**, Language Technologies research group of Prof. Dr. Flek, is currently accepting applications for a

Research Associate (Postdoc)

The position is initially offered for a period of **1 year**, if no former times of qualification must be considered. The **starting date is as soon as possible**. The position is **full-time** with salary and benefits commensurate with a public service position in the state Hesse, Germany (TV-H E 13, 100 %).

Within the context of the AI in Biomedicine initiative, we are seeking a Postdoctoral Research Associate to work on Natural Language Processing (NLP) projects that leverage state-of-the-art deep learning models on large datasets of unstructured clinical text.

The tasks include scientific services in research and teaching, in particular the person will: (1) Research, design, and implement scalable deep learning NLP solutions for clinical text classification, information extraction, and other related tasks on clinical datasets using scalable Transformer-based models such as BERT, (2) Author peer reviewed papers, reports and research proposals and represent the organization by giving technical presentations in large public forums, (3) mentor junior researchers and supervise bachelor and master thesis students in the area of language technologies, and (4) tentatively teach a bachelor-level seminar on a relevant topic.

Within the period of funding, position holders are expected to develop a proposal for a research project in the medical NLP area; this includes gaining experience in preparing and submitting a proposal for third-party funding. Specialization in either Question Answering and Dialog Systems or in Private Machine Learning is welcome.

The position will be filled by a temporary contract that is limited to the period which is necessary to gain further scientific expertise (such as the preparation for a subsequent qualification period). Within the entrusted tasks the opportunity for independent scientific work to obtain further personal qualification is given. The limitation of the contract complies to § 2 Abs. 1 WissZeitVG.

The successful applicant will hold a university degree in computer science (diploma, master's degree or equivalent) and a relevant PhD in Natural Language Processing or Machine Learning, demonstrated by corresponding publication record. Previous experience with neural network architectures for natural language processing, including contextual word representations, is expected, as well as previous experience with processing clinical text. Proven strong programming skills, e.g. from previous projects, are required. Experience in teaching and supervision is welcome. Capability to teach and supervise students in German as well as in English is required (min. C1 level of both).

We offer you a diverse team with a start-up mindset in the newly established Language Technologies group of Prof. Flek, in a stimulating international scientific environment on one of the oldest universities in Germany, with the highest percentage of international students in the federal state of Hesse. We support women and strongly encourage them to apply. In areas where women are underrepresented, female applicants will be preferred in case of equal qualifications. Applicants with children are welcome - Philipps-University is certified as a family-friendly university. Sharing a full-time position (§ 8 Abs. 2 S. 1 HGlG) as well as a reduction of working time is possible. Applicants with a disability as described in SGB IX (§ 2 Abs. 2, 3) will be preferred in case of equal qualifications. Application and interview costs can not be refunded.

All application documents must be sent to the Department of Mathematics and Computer Science, Prof. Lucie Flek only in PDF to lucie.flek@uni-marburg.de before October 01st, 2021, citing reference fb12-0025-wmz-2021.