



We are looking to support our rapidly growing team as soon as possible:

Student Research Assistant (f/m/d) for Medical Data Science

Institute for Biomedical Informatics



between 7-19 hours per week



limited for 12 months according to WissZeitVG
Third-party funded project



The remuneration is € 13,98 gross per hour, based on the agreed weekly working hours

Your tasks

We are looking for a student research assistant to support ongoing projects in medical data science on multimodal data. The work will assist the development and testing of an automated data analysis pipeline with the option of publishing relevant findings as contributions to the international research community. The exact task will be assigned based on the profile and interests of the student. The student will get the opportunity to learn about state-of-the-art data analysis approaches, communication in collaborative research and recent advancements in data driven medical research.

We offer an active role in the research process and projects applying state-of-the-art methods for real-world impact in medicine. The student will be working in a highly diverse, interdisciplinary and friendly team where different cultural and educational backgrounds foster efficiency in building solutions for real-world problems.

Your profile

Required Qualifications:

- Enrolled in Computer Science or a related technical field (e.g., Mathematics, Electrical Engineering, Physics, or similar)

Your future with us

We are one of the leading university hospitals in Germany and network research, teaching and health care at the highest level. That's why many things are a lot bigger for us: the spectrum of exciting development opportunities. The limitless openness with which specialists from all over the world work together here. Or our commitment as an employer to support all employees as best we can in reconciling their job with their goals and life situations.

This is the University Hospital of Cologne: Everything but ordinary.

Your future in detail

The [Institute for Biomedical Informatics](#) is a newly founded and dynamic institute at the Medical Faculty of the University of Cologne. The mission of the institute is to support the data-driven transformation in medicine and to develop new artificial intelligence technologies for personalised medicine. You will be part of an agile, innovative and interdisciplinary team that brings together expertise from different disciplines to create synergies.

- Solid programming experience with Python or a comparable language
- Understanding of Machine Learning and Deep Learning methods
- Good communication skills in English or German and ability to work collaboratively in a team
- Well-structured, organized and reliable working style

Desirable Qualifications:

- Experience in one or more of the following areas: Natural Language Processing (NLP), Computer Vision, Explainable AI (XAI), Transformer Models, Knowledge Graphs or graph based data structures
- Background in working with medical data or medical standards

Our offer

- **Everything but ordinary:** You can expect a secure job in a challenging, innovative environment – including company pension schemes and regular working hours without business trips.
- **Work-life balance:** Whether full-time or part-time, with or without children – with numerous support options, we will find the right path together.
- **Team spirit in R(h)ine culture:** You will be warmly welcomed by an interdisciplinary team that values mutual respect and helpfulness.
- **Strong perspectives:** We offer extensive training opportunities – so you can continuously grow and set new goals.

People with disabilities are welcome to apply and will be treated preferentially in the event of equal suitability and qualification.

Contact

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[Uniklinik Köln Karriere](#)

Application deadline: 22.02.2026

Job-ID: i9vicgtv

[apply now](#)

We look forward to receiving your application and getting to know you!