



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

Wissenschaftliche Hilfskraft (w/m/d) / Student Research Assistant (f/m/d) - Data & AI in Healthcare

Biomedizinische Informatik - BI-K



Hilfskräfte: Up to 19 h/week



limited for 2 years according to WissZeitVG within the framework of a third-party funded project



The remuneration for this Student Research Assistant position is €19.30 per hour, calculated according to the weekly working hours.

Your tasks

- Enrolled student in Biomedical Informatics, Computer Science, Information Systems, Data Science, or a related field
- Basic programming skills (e.g., Python, SQL; experience in web development or ML is a plus)
- Strong interest in data integration, AI, and healthcare data science
- Good organizational skills and willingness to take on coordination tasks
- Strong communication skills and motivation to work in an interdisciplinary team
- Very good command of English; German skills are beneficial but not required

Your profile

Technical development & support

- Contribute to the development of ETL pipelines, APIs, and integration tools for clinical data.
- Support the creation of dashboards and prototypes for clinical use cases (e.g., visual analytics, predictive models)
- Participate in AI experiments (e.g., anomaly

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

As part of the nationally funded project DICE-CD (Data Innovations in Collaborative Ecosystems for Clinical Domains), the Institute for Biomedical Informatics (BI-K) at the University Hospital Cologne collaborates with leading partners such as Charité Berlin, national research institutes, and industry players to develop a reference architecture for clinical data platforms. The project's goal is to build a modular, interoperable

detection, generative AI for patient summaries)

Project coordination & organization

- Assist the project management team with planning, documentation and reporting
- Help prepare and follow up on meetings and workshops with clinical and research partners
- Contribute to presentations, reports, and publications
- Support communication with internal and external project partners

Scientific contribution

- Research emerging technologies, standards (FAIR, HL7 FHIR, openEHR), and best practices
- Assist in preparing outputs for conferences and publications

Our offer

- Flexible working hours of up to 19 hours/week – easily combined with your studies
- The chance to contribute to a nationally funded research project with high societal relevance
- Insights into the interface between research, IT, and clinical practice
- Hands-on experience in data engineering, AI, project management, and coordination
- Opportunities to contribute to prototypes, publications, and workshops
- A modern, diverse, and family-friendly working environment at University Hospital Cologne

Applications from female candidates are expressly welcome and will be given priority in the event of equal suitability, competence and professional performance. 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](#)

No application deadline

Job-ID: abyvt7uw

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