

JOB VACANCY

Join Us at the New Institute for Artificial Intelligence in Medicine (IKIM) at the University Hospital Essen

The Data Science research group is part of the newly founded Institute for Artificial Intelligence in Medicine (IKIM) at the University Hospital Essen. The institute is located at the heart of Essen-Rüttenscheid, a vibrant neighborhood of Essen, with a broad range of cultural and culinary activities to explore.

We work on developing and deploying cutting-edge informatics methods with the goal of making a meaningful difference for patients, doctors, and hospital staff. To this end, and in collaboration with a digital-forward clinic administration, we continue to build on a SMART hospital information structure that provides access to real-world medical data. Strong funding and state-of-the-art equipment support this effort. One focus of our group lies in the gaining data driven insights about human microbiomes to achieve better clinical outcomes.

We currently offer several open research positions at various levels, including PhD positions, postdoc and junior group leader positions. We are also constantly on the look-out for interested and motivated bachelor and master students.

We are seeking enthusiastic, self-motivated, and curious personalities, who strive to create meaningful impact with their work and enjoy working in a team of like-minded persons. You should have training in computer science, physics or in related fields and a solid foundation in bioinformatics.

The University Hospital Essen offers first class medical services in the Ruhr metropolis. Every year, 225.000 patients are treated in 26 clinics, 23 institutes and specialized centers. The over 6.000 employees offer medical care with state-of-the art diagnostics and therapies, which meet highest international standards. Patient care is connected with basic and translational research at an internationally competitive level.

The following positions in the Institut für KI in der Medizin (IKIM) / Institute for AI in medicine are available starting from 1.10.2020

Bioinformatics researcher (m/f/d)

(Pay grade E13 TV-L - temporary employment)

The pay grade classification depends on the personal and collective legal requirements. The employment is provided for 3 years to obtain a PhD degree. An extension of the job duration might be possible according to the maximum employment duration as given by laws regarding scientific fixed-term contracts (Wissenschaftszeitvertragsgesetz).

Main goals:

- Development and application of software methods for the analysis of microbiome data
- Development and application of data science methods for the analysis of microbiome data

You have a Msc in Computer Science, Physics or equivalent and match one of more of the following criteria:

- Programming (Python, Perl, R, Go, C/C++, Shell)
- Experience with DevOps and containerized approaches
- Familiarity with ML/DL techniques
- Experience in bioinformatics analysis and method development, analysis of next-gen sequencing data

The University Hospital Essen is an equal opportunity employer. Female scientists are particularly encouraged to apply.

The participation in secondary employment depends on the „Hochschulnebenbeteiligungsverordnung“ of North-Rhine Westphalia.

Disabled applicants will be preferentially considered in case of equivalent qualification.

Please send your application documents (cover letter, curriculum vitae, certificates, references, etc.) with reference to the tender number 961 within 2 weeks after publication to

Prof. Dr. Folker Meyer
folker.meyer@uk-essen.de
Universitätsklinikum Essen
Hufelandstraße 55
D-45147 Essen
GERMANY

Email:
folker.meyer@uk-essen.de

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