

We are a young, innovative university in the centre of the Ruhr metropolis. We excel in research and teaching, think in terms of possibilities rather than boundaries and develop ideas with a future. We embrace diversity, promote potential and are committed to educational equality worthy of the name.

UNIVERSITÄT
DUISBURG
ESSEN

Open-Minded

The University of Duisburg-Essen is seeking to fill the following position at the Faculty of Medicine at the earliest possible date:

University professorship (W2) for „Artificial Intelligence for Biomedical Analytics“

(salaried position)

The successful candidate should be granted leave of absence upon appointment as a university professor in order to fulfil the duties of a

Head of the working group „Artificial Intelligence for Biomedical Analytics“

at the Leibniz Institute for Analytical Sciences – ISAS- e.V. in Dortmund (so-called „Jülich model“).

The holder of the position must represent the subject in research and teaching.

We are looking for an ambitious and internationally recognised research personality to head a working group for the development of innovative strategies, methods and processes of artificial intelligence and machine learning for the analysis of large image data from biomedical research. The post holder should represent the field of AI for biomedical and medical applications in research and teaching.

The applicant should be able to demonstrate outstanding scientific achievements, innovative approaches and several years of experience in analysing large image files. In order to efficiently complement the research at ISAS, one focus should be the development of innovative methods and procedures of artificial intelligence to analyse multi-dimensional, biomedical image datasets using modern machine learning and artificial intelligence methods. A suitable candidate should develop appropriate tools and also address the topic of „efficient/green AI“ as well as innovative ways of data interaction and interpretation. The work should show potential contributions to clinical translation.

A strong ability and willingness to engage in interdisciplinary research and collaboration with the Institute for Artificial Intelligence in Medicine at Essen University Hospital (<https://www.ikim.uk-essen.de/>) is desirable. Publications in high-ranking, peer-reviewed journals are expected, as well as experience commensurate with professional experience in the implementation of self-acquired competitively reviewed third-party projects, preferably in DFG-funded programmes or with international funding organisations.

The University of Duisburg-Essen attaches particular importance to the quality of teaching. Didactic ideas on teaching – also taking into account the profile of the University of Duisburg-Essen – must be presented.

The recruitment requirements are based on Section 36 of the NRW Higher Education Act.

The University of Duisburg-Essen aims to promote the diversity of its members (see <http://uni-due.de/diversity>). It endeavours to increase the proportion of women among its academic staff and therefore strongly encourages relevantly qualified women to apply. Women with equal qualifications will be given preferential consideration in accordance with the State Equal Opportunities Act. Applications from suitable severely disabled persons and persons of equal status within the meaning of § 2 (3) SGB IX are welcome.

Applications with the following documents (curriculum vitae, list of scientific publications (see http://www.uni-due.de/imperia/md/content/medizin/formblatt_aufbau_schriftenverzeichnis.pdf), documents on your academic and professional career, copies of certificates, a description of your own research profile and the resulting perspectives at the University of Duisburg-Essen, information on third-party funds raised, participation in academic self-administration, previous teaching activities and teaching concept) as well as a selection of the 5 most important publications should be sent by **18 August 2024 to Univ. Prof. Dr med. Jan Buer, Dean of the Faculty of Medicine, Essen University Hospital, Hufelandstr. 55, 45147 Essen.**

Please apply by e-mail to Medizin-Dekanat@uk-essen.de as well as via the application form at <https://www.uni-due.de/med/en/organisation/bewerbungsbogen.php>.

Further information on the position, its integration into the University of Duisburg-Essen and the faculty can be found at <https://www.uni-due.de/med/de/organisation/berufungen.php>.



University Medicine Essen
University Hospital