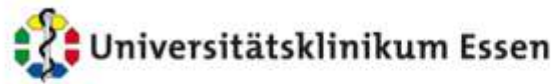The University Hospital Essen is a pace setter for first-rate-medical services in the Ruhr metropolis. Every year, 225.000 patients are treated here in 26 clinics, 23 institutes and specialized centers. The over 6.000 employees offer medical care with state-of-the art diagnostics and therapies that live up to the highest international standards. Medical practice is interwoven with scientific research, directly benefiting patients who can be certain that they will receive the latest available therapies.

The **Institute for Diagnostic and Interventional Radiology and Neuroradiology** (Prof. Dr. M. Forsting) is currently seeking a

Junior Research Group Leader
"Advanced Methods in Brain MR-Imaging"
(Pay grade E14 TV-L - temporary employment)

The Employment is provided initially for 36 months to obtain a postdoctoral lecture qualification. The position includes funding for a PhD position (E13 TV-L, 65%) for three years. The pay grade classification depends on the personal and collective legal requirements. 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). We are looking for a scientist with internationally recognized expertise in the field of Neuro-MR imaging. In particular, expertise in the field of artificial intelligence (AI) techniques is desired.

Job description:
The establishment of an own research program in the field of Neuro-MR imaging is expected. Close cooperation with the Collaborative Research Center SFB 1280 (co-speaker Prof. Dr. D. Timmann-Braun), funded by the Deutsche Forschungsgemeinschaft, on the mechanisms of extinction learning is desired. The focus should be on the application of deep learning and machine learning techniques, in particular using MRI data collected in SFB 1280.

Job qualifications:
We are looking for postdocs with a background in physics, computer science or engineering. Postdocs with a background in neuroscience, neuropsychology or neurobiology and advanced experience in (f)MRI are also invited to apply. The applicant should be experienced in pre- and post-processing methods of structural and functional brain MRI data. Previous experience in big data, artificial intelligence and deep Learning / machine learning is desirable. Publications in the field of neuro-MR imaging are expected in peer-reviewed journals, in particular in leading international journals and experience in the acquisition of competitive third-party funds. Involvement in international research an relevant international experience is a plus.

The University Hospital Essen is an equal opportunity employer. Female scientists are particularly encouraged to apply.
The participation in secondary employment depends on the „Hochschulnebentätigkeitsverordnung" of North-Rhine Westphalia.
Disabled applicants will be preferentially considered in case of equivalent qualification.
The position is also available as a part-time employment.

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ESSEN

Offen im Denken

Please send your complete application (including curriculum vitae, list of scientific publications and acquired third-party funds, research profile and the resulting perspectives at the University Hospital Essen and for the SFB 1280) with reference to the tender number **673** within 4 weeks preferably by email to:

Univ.-Prof. Dr. med. Dagmar Timmann-Braun
University Hospital Essen
Hufelandstraße 55
D-45147 Essen
Germany
dagmar.timmann-braun@uk-essen.de

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