At the Faculty of Natural Sciences of the Otto von Guericke University Magdeburg, the Institute of Physics is seeking a

W1 Junior Professorship Advanced UHF–MR Neuroimaging Methods (m/f/d)

...to begin in April 2024.

The Otto von Guericke University in the state capital Magdeburg is a medium-sized university with a modern research agenda. The Faculty of Natural Sciences at the Otto von Guericke University Magdeburg offers interdisciplinary educational programs with scientific, technical and neuroscientific components. It covers a broad spectrum of research from the basic building blocks of matter in physics to animate nature in biology to human behavior in psychology and is involved in numerous projects and collaborations within OVGU and worldwide.

Non-invasive imaging by means of MRI has a long-standing and very successful tradition in Magdeburg. As the first location in Europe, neuroscientific MRI examinations of the human brain were performed here at 7 Tesla magnetic field strength. With the additional commissioning of the most powerful 7T MRI in Europe in 2023, a worldwide unique core facility for ultra-high field MR imaging has been created at OVGU.

The junior professorship is intended to establish new research fields for users of MR–methodology through fundamental methodological research, for example, data acquisition as well as reconstruction and processing for the quantitative determination of biomarkers. The junior professorship will also provide its own methodological impetus in the field of UHF MRI imaging. This may relate to vascular, functional or (micro-)structural aspects of imaging. Here, the outstanding experimental capabilities of the OVGU MRI research infrastructure will be used.

Integration into the SFB1436 as well as cooperation with the DZNE and DZPG are desired.

Hiring requirements are:

- university degree in the field of natural sciences or engineering
- outstanding qualification for scientific work, as evidenced by the quality of the doctorate as well as publications and the acquisition of competitive third-party funding
- teaching experience in the education of students in the natural or engineering sciences

In accordance with the specific requirements of the professorship, the following must also be demonstrated:

- outstanding scientific achievements in the field of ultra–high field MRI
- competence in the development of MR methods for neuroimaging
- experience in the support of clinical or neuroscientific studies

If you have any questions regarding the content of the advertised position, please contact: Prof. Dr. Oliver Speck at Tel. +49 391/67–56113 or by e-mail: oliver.speck(at)ovgu.de.

The appointment requirements according to § 40 HSG LSA must be fulfilled. The W1 junior professorship is initially appointed for 3 years. In the third year, an interim evaluation will take place. After positive evaluation, the position will be extended for another 3 years. The fixed term appointment results from § 41 (1) HSG LSA.

Otto von Guericke University Magdeburg is a signatory of the German Diversity Charter. We welcome your application, regardless of gender, cultural and social background, age or sexual orientation. Applications from severely disabled people or people with an equivalent impairment will be given priority in the case of equal suitability, ability and professional expertise. Otto von Guericke University Magdeburg strongly promotes gender equality in all professional areas.

Please note the information for storage of personal data: https://www.uni-magdeburg.de/en/data_protection.html.

Please send your complete application (cover letter, curriculum vitae, overview of previous research interests, research and teaching concept in Magdeburg, list of publications, teaching experience, experience in obtaining external funding, copies of relevant certificates and diplomas, teaching evaluations) by January, 31 2024 (date of receipt by mail) to:
w1–uhf–neuroimaging@ovgu.de