

External advertisement Registration number 5-12403/21-H

Creating knowledge since 1502: the Martin-Luther-University Halle-Wittenberg offers a wide range of academic subjects in the areas of humanities, social sciences, natural sciences and medicine. Formed in 1817 following the merger of the University of Wittenberg (1502) and the Friedrichs University Halle (1694), it is the oldest and largest university in Saxony-Anhalt. Today, it has 340 professors and 20,000 students and its research activities are focussed on the nano and life sciences, society and culture.

The fixed-term, part-time (50 %) position of

Research Assistant (m-f-d)

is available immediately for approx. 13 months (maternity cover) at the Medical Physics Group, Institute of Physics, Faculty of Natural Sciences II, Martin-Luther-University Halle-Wittenberg. The salary is determined according to the public sector pay scale up to E13 TV-L depending on the assigned tasks and personal qualifications.

Project tasks:

- Development of experimental and computational methods for molecular photoacoustic tomography, such as the detection of exogenous contrast agents
- Publication of scientific results
- Contribution to teaching, and the supervision of bachelor and master projects

Qualifications / requirements:

- Completed degree (Master, Diploma or equivalent) in computational physics, biophysics, medical physics, physics, or a relevant engineering discipline
- Knowledge and practical experience in all or some of the following areas: programming (e. g. Matlab, Julia, C++), numerical modelling, computational light and acoustic transport models, instrumentation control (Labview), optics, ultrasound/acoustics, signal and image processing
- Very good spoken and written English
- High motivation, ability to work independently and within an interdisciplinary team, organisational skills, good communication skills

Women are strongly encouraged to apply. Applicants with disabilities will be preferred if qualifications and suitability are comparable.

Applicants with a degree that was not obtained at a German higher education institution must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education ([Zentralstelle für ausländisches Bildungswesen](#)) to prove equivalence.

For more information please contact Prof. Jan Laufer, Tel.: 0345 55 25400, E-Mail: jan.laufer@physik.uni-halle.de. Informal visits prior to the interview can also be arranged.

Please send your application (incl. covering letter, CV, and two references) by email to Jan Laufer (jan.laufer@physik.uni-halle.de), stating Reg.-Nr. 5-12403/21-H. The deadline for applications is 29/10/2021.

Please note that expenses associated with the application process (e.g. travel) will not be reimbursed.



Application documents will only be returned if an envelope with pre-paid postage is provided. This job vacancy is conditional and subject to potential legal and financial restrictions.