

External advertisement Reg.-Nr. 5-12672/24-H Re-Advertisement

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.

At the Martin-Luther-University Halle-Wittenberg, Faculty of Natural Sciences II, Institute of Physics, Medical Physics Group is seeking, to fill the temporary position of a

Research Associate (PhD studentship)

in part time (50 %) at the earliest possible date. Under certain conditions, it is possible to increase the total working hours to up to 65%. The position will be limited for three years.

The salary will be up to Entgeltgruppe 13 TV-L, if the personal requirements and tasks are fulfilled.

Project tasks:

- Development of interferometric optical sensors and detection methods for photoacoustic imaging
- Development of optical setups and computational models of the transduction mechanisms
- Dissemination of scientific results via publications and conference participation.
- Contribution to teaching, such as tutorials and the supervision of bachelor and master projects

This position offers the opportunity to complete a doctorate.

Qualifications / requirements:

- completed university degree (master, diploma or equivalent) in physics, computational physics, biophysics, medical physics, or a relevant engineering discipline, such as biomedical engineering
- Knowledge and experience in all or some of the following areas: programming (e.g. Matlab, Python, Julia, C++), numerical modelling, instrumentation control (Labview), optics, ultrasound/acoustics, signal and image processing
- Very good spoken and written English
- Good knowledge of German is desirable
- High motivation, ability to work independently and within an interdisciplinary team, very good organizational and 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 university must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education (<https://www.kmk.org/zab/central-office-for-foreign-education>) as proof of equivalence.

Informal enquiries and visits prior to the interview are welcome. For more information, please contact Prof. Jan Laufer, Tel.: 0345 55 25400, E-Mail: jan.laufer@physik.uni-halle.de.

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. 5-12672/24-H. The deadline for applications is the 14.11.2025.

This job vacancy is conditional and subject to potential legal and financial restrictions.

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.