



Paderborn University is a high-performance and internationally oriented university. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our employees in research, teaching, technology and administration a lively, family-friendly, equal opportunity environment, a lean management structure and diverse opportunities.

Join us to invent the future!

In the **Faculty of Science** - Department of Physics - the following position is to be filled for the summer term 2026:

W3 University Professorship (f/m/d) for Experimental Physics

Requirements:

Applicants are expected to have an internationally visible research profile in a promising field in the area of materials for optoelectronics and photonics, which is visible through publications in high-ranking journals, successful acquisition of third-party funding and national and international collaborations. Relevant teaching experience is expected as well as a proven willingness to cooperate and experience in collaborative research. Furthermore, the willingness to teach in German after a transition period is expected.

Expectations:

Applicants are expected to work in a promising field of materials physics/materials science and to complement the focus areas "Optoelectronics and Photonics" and "Materials Science" of the Department of Physics thematically and methodologically with a modern research area that is complementary and compatible with existing research groups. The scientific focus of the applicants should be in the field of research on materials for optoelectronics and photonics. One example is the production of functional materials, e.g. materials for sensor technology or integrated optics, sustainable materials, smart materials, quantum materials. Another area of interest is material analysis using modern methods, e.g. scanning probe methods, transmission electron microscopy, spectroscopic methods.

This focus is intended to complement and strengthen the existing inter-departmental and inter-faculty research activities in Paderborn. A connection to scientific institutions such as the Center for Optoelectronics and Photonics Paderborn (CeOPP), the Institute for Photonic Quantum Systems (PhoQS) or the Center for Sustainable Systems Design (CSSD) is desirable. Active participation in and initiation of third-party funded projects and coordinated programs is expected.

The future post holder should represent the areas of experimental physics and materials science in teaching in the Bachelor's and Master's degree programs for students in the major and minor subject in full breadth. Collaboration in academic self-administration is considered a matter of course.

Recruitment requirements:

§ 36 section 1 nos. 1 to 4 HG NRW (completed university degree, pedagogical aptitude, doctorate and additional academic achievements).

Paderborn University aims to increase the proportion of women as university lecturers and therefore strongly encourages qualified female academics to apply. In accordance with the LGG, women will be given preferential consideration in cases of equal suitability, aptitude and academic performance, unless reasons relating to the person of a competitor prevail. Applications from suitable severely disabled persons and persons of equal status within the meaning of the German Social Security Code Ninth Book (SGB IX) are also welcome.

Paderborn University is certified as a family-friendly university. With our Dual Career Service, we support your partner with career orientation in the region if required. We will be happy to provide you with information about living and working in Paderborn and help you find childcare options. If you are coming to us from abroad, our Welcome Services will support you on your arrival in Germany.

Applications with the usual documents (curriculum vitae, certificates and diplomas, list of publications, list of completed courses, possibly supplemented by evidence of pedagogical aptitude, information on current and planned research projects, research collaborations and third-party funded projects, language certificates if applicable, etc.) including a one-page concept paper regarding the continuity of research activities in the Department of Physics and within Paderborn University will be sent by **16th August 2024** in electronic form in a complete PDF file with **reference number 6496** online via the application portal of Paderborn University: <https://bewerbung.uni-paderborn.de/stellen/6496>

Information on the processing of your personal data can be found at: <https://www.uni-paderborn.de/zv/personaldatenschutz>.

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