



The TU Dortmund University is a dynamic research-oriented university with 17 faculties in the natural and engineering sciences as well as social and cultural studies. Every day, around 6,700 employees on our international campus contribute to solving pressing issues of the present and the future. Openness and diversity characterise not only our interactions in research and teaching, but also in technology and administration.

## 12 positions for research assistant

At TU Dortmund University, the University of Duisburg-Essen and the University Medical Centre Essen, 12 positions for scientific employees are to be filled for a period of 3.5 years from 1 October 2025 in the Research Training Group GRK 3043 'AMTEC-PRO: Advanced Methods and Technologies for Proton Therapy'. Five positions are located in Dortmund and seven in Duisburg-Essen. Depending on the field of study, the positions will be filled part-time at 67% (chemistry), 75% (physics, medical sciences) or full-time (engineering). Salaries are paid in accordance with the provisions of collective bargaining law according to pay group 13 TV-L.

The aim of the Research Training Group is to improve the existing standard of treatment in proton therapy through the use of innovative methods, novel treatment approaches and modern technologies and to train a new generation of interdisciplinary researchers. The scientific program is based on strong basic research in the STEM disciplines, which will be transferred to medical applications in the long term. The research projects are located at the interfaces of medicine, physics and chemistry and utilize modern methods of particle technology and machine learning.

Clinical implementation is carried out in collaboration with the West German Proton Therapy Centre Essen (WPE), a modern and leading facility for proton beam therapy in Europe.

### YOUR TASKS:

The field of activity includes research in one of the above-mentioned areas with the aim of a doctorate as well as successful participation in the qualification program of the Research Training Group.

### YOUR QUALIFICATIONS:

- A relevant Master's degree, e.g. in (cell) biology, chemistry, chemical engineering, medical physics or physics, with a minimum grade of 2.5
- English language skills at B2 level

The selection procedure is a two-stage process. The pre-selection will be made on the basis of the documents submitted, the final selection will be made after participation in a three-day assessment center from 2 - 4 June 2025 (travel costs will be subsidized). Further information on the RTG and the research projects can be found at <https://grk3043.tu-dortmund.de/>

Applications from people of all genders are expressly welcome. Applications from women will be given preferential treatment in accordance with regulations. Measures to promote gender equality in science and, if necessary, to create a more family-friendly workplace are supported.

Please note that applications from suitable severely disabled persons are welcome.

If you are interested, please apply **by 11.05.2025** with an application consisting of a motivational letter, CV and certificates by quoting the Reference number **w36-25** to

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