



TU Dortmund University is a dynamic research-oriented university with 17 departments in the natural sciences, engineering, social sciences and cultural studies. On our international campus, around 6,700 employees make a daily contribution to solving pressing questions of the present and the future. Openness and diversity characterize not only the cooperation in research and teaching, but also in technology and administration.

Doctoral researcher positions in biochemical and chemical engineering

The DFG funded Research Training Group (RTG) TALENT: *TolerAnt sustainabLe EfficieNT - Overcoming the Tolerance-Efficiency Dilemma for Robust and Flexible Future (Bio)Chemical Processes* invites applications for 8 doctoral positions associated to the Department of Biochemical and Chemical Engineering. The employment starts on November 1, 2026 and is scheduled for four years. The positions are advertised subject to the approval of the requested funding. According to the public tariff regulations, the salary is based on the tariff group E13 TV-L with 100% of the regular work time.

TALENT aims at a comprehensive approach for the design of tolerant yet efficient processes challenged by the inherent variability of biomass feedstocks and the fluctuating nature of energy supply from renewable sources. TALENT will train doctoral researchers in innovative projects at different process levels, reflected by three distinct project areas: Tolerant and sustainable conversion routes, tolerant reactors and separation units, and integrated tolerant processes. Details on project areas, individual research projects and involved research groups can be found on www.rtg-talent.de.

WHAT WE OFFER:

- A top-class international and interdisciplinary research environment
- The opportunity for academic qualification (PhD)
- The opportunity for personal development through TALENT's structured doctoral qualification program
- Networking opportunities and an optional placement with partners in academia, industry, or a start-up

YOUR EXPECTED QUALIFICATIONS:

- A Master's degree in chemical engineering, bioengineering, process engineering, or a related field with above-average academic performance
- Strong interest in the development and design of sustainable (bio)chemical processes
- Proficiency in English, both written and spoken
- Good command of German is desirable but not required

YOUR RESPONSIBILITIES:

- Self-directed and organized work on the research project
- Cooperation with researchers within and beyond the department
- Active engagement in the TALENT qualification program, including participation in workshops, seminars, and scientific events
- Production of internationally visible, high-quality publications
- Presentation of your work in international conferences and workshops

Applications from people of all genders are explicitly welcome. Applications from women will be given preferential treatment in accordance with legal regulations. For severe disability to be taken into account, please provide proof in form of appropriate documents.

Applications can be sent until 23.07.2026 using the subject line "TALENT application - [Your Name]" and reference number w33/26 to:

TU Dortmund University
Department of Biochemical and Chemical Engineering
c/o Hannsjörg Freund
Emil-Figge-Straße 66
44227 Dortmund, Germany

For further information, please contact: rtg3199@tu-dortmund.de

Complete applications include:

- A motivation letter of max. 2 pages, indicating your preferences on two dedicated TALENT research projects (see details on projects P1-P8 on website) and an explanation why your background and interests make you a strong fit. Final project assignment will be discussed during the interview process
- Your CV and transcript of records (please indicate grading system if not evident)