technische universität dortmund

UA RUHR

The Department of Chemistry and Chemical Biology at TU Dortmund University is offering the following position (starting at the earliest opportunity):

Professorship (Open Rank W3 tenured or W2 with W3 tenure track) Biophysical Chemistry

Our profile

Comprising 17 departments in the natural and engineering sciences as well as the humanities and social sciences, TU Dortmund University is a dynamic university with a strong profile in research, teaching, promotion of young scientists and transfer.

The soaring key disciplines Chemistry and Chemical Biology, Structural Biology, and Biophysics at TU Dortmund University are internationally visible, highly successful research foci that are propelled by the Departments of Chemistry and Chemical Biology (CCB), Biochemical and Chemical Engineering (BCI), Physics, and Mathematics. Fostering unique and world-leading (bio-)physical chemistry research via the Cluster of Excellence RESOLV and the emerging Center for Advanced Liquid Engineering Dortmund (CALEDO), the department CCB is intensely connected to the various non-university research institutions on campus, such as the Max Planck Institute of Molecular Physiology, ISAS (Leibniz Institute for Analytical Sciences), and the Leibniz Research Centre for Working Environment and Human Factors (IfADo). In the midterm, the new TU Dortmund research center DOLCE ("Dortmund Life Science Center") establishes basic biological research, creating strong synergies with chemical and biophysical methodological research. In addition, the socalled "Research Centers", run jointly with Ruhr-Universität Bochum and the University of Duisburg-Essen, will further reinforce these profile areas. Fueled by the pace of its conversion into a science city, Dortmund has been awarded "Europe's Innovation Capital 2021".

Profile of the professorship

The professorship is dedicated to independent research in the field of biophysical chemistry. In particular, your toplevel research establishes innovative spectroscopic approaches for the elucidation of biomolecules, uniting methods development with application of spectroscopic methodology to relevant biological questions. Possible techniques are spectroscopic approaches with high temporal and spatial resolution, innovative single-molecule spectroscopy or microscopy, super resolution microscopy, force spectroscopy, or other innovative spectroscopic techniques with application to solvation and biological questions such as protein and nucleic acid interactions, protein folding and function, regulation of cellular mechanisms, etc. In your role at TU Dortmund University, you participate in the RESOLV Cluster of Excellence and other research networks and collaborations within and outside TU Dortmund University such as the Dortmund Life Science Center DOLCE. In addition to promoting early-career researchers by leading-edge research activities in your group, you will be embedded in physical chemistry undergraduate and graduate courses and participate in the teaching activities of the department. Teaching will be required in English and – in the medium term – also in German.

Your qualifications

You will have obtained a doctorate with outstanding success and have acquired a post-doctoral lecturer qualification *(Habilitation)* or an equivalent qualification. With your unique research interests and fueled by your profound technical and theoretical expertise, you will have demonstrated your research excellence through continuous publications in internationally reputed peer-reviewed journals. In addition, you have been successful in the independent acquisition of third-party funding. To enter at W3 level, you also will enjoy a high degree of international visibility and continuous high-ranking publications in international peer-reviewed journals, and will have independently acquired and managed several competitive third-party funding projects (including cooperative joint projects). In any case, you will have the potential for teaching excellence. Social and leadership skills and the willingness to participate in academic self-administration will complete your profile. Moreover, the recruitment requirements in Sections 36 and 37 of the North Rhine-Westphalia Higher Education Act (*Gesetz über die Hochschulen des Landes Nordrhein-Westfalen,* HG) apply.

In the case of the W2 professorship with W3 tenure track, the successful candidate will initially be appointed as a temporary civil servant for five years. At the end of this five-year period at the latest, the tenure track will lead to continued employment as a tenured W3 university professor, provided that the necessary aptitude, competence and academic performance have been demonstrated and that the legal requirements pertaining to § 38 HG NRW are met.

Attractive environment

We offer an excellent academic environment and attractive cooperation opportunities with renowned international, national, and regional partners. The metropolitan Ruhr Area with the University Alliance Ruhr (UA Ruhr) guarantees short distances to a diversity of partners from science and industry. With our Dual Career Service, we support your partner in finding professional opportunities in the region, if desired. We will be happy to provide information about housing and living in Dortmund and help you find childcare options. If you are coming to us from abroad, our Welcome Service will support you upon your arrival in Germany.

Diversity welcome

A central goal of TU Dortmund University is to promote diversity and equal opportunities. We strive to significantly increase the percentage of women in research and teaching and therefore welcome applications from female academics. We give preference to severely disabled applicants if their qualifications meet the requirements. We support the compatibility of family and career and promote gender equality in academia and research.

Your application

If you are interested in the position, please send your application including the provided application form, CV, list of publications, lectures, teaching activities and acquired third-party funding, a research concept of max. 2 pages and three key publications, as a single pdf file in English, via e-mail by 21.12.2022 to:
dekan.ccb@tu-dortmund.de

The application form and further details on the application process can be found at:
berufung.tu-dortmund.de/en/application

Questions will be answered by the Dean of the Department of Chemistry and Chemical Biology,
University Professor Dr. Stefan M. Kast,
Tel: +49 231/755-3730 or
dekan.ccb@tu-dortmund.de

Further information about the Department of Chemistry and Chemical Biology can be found at
ccb.tu-dortmund.de/en