

With 6,500 employees in research, teaching, and administration and its unique profile, TU Dortmund University shapes prospects for the future: the interaction between engineering and natural sciences as well as social and cultural studies drives both technological innovations and progress in knowledge and methodology. It is not only the roughly 33,400 students who benefit from this.

The disciplines Chemical Biology, Drug Discovery and Process Engineering at TU Dortmund University are internationally visible, highly successful research focus areas that are largely driven forward by the Departments of Chemistry and Chemical Biology (CCB) and Biochemical and Chemical Engineering (BCI). In the respective fields, TU Dortmund University also maintains many collaborations with non-university research institutions, such as the Max Planck Institute of Molecular Physiology, ISAS (Leibniz-Institut für Analytische Wissenschaften), and the Leibniz Research Centre for Working Environment and Human Factors (IfADo). In the medium term, the research centers “One Health” and “Chemical Sciences and Sustainability”, which are run jointly with Ruhr-Universität Bochum and the University of Duisburg-Essen, will reinforce this profile area. Within these structures, the “Dortmund Life Science Center” (DOLCE) will be located, operated by the Departments CCB and BCI. It will conduct basic biological research that creates synergies with activities in drug development and the manufacture of bio-active substances.

The Department of Chemistry and Chemical Biology and the Department of Biochemical and Chemical Engineering at TU Dortmund University are seeking to fill the following four positions at DOLCE commencing as soon as possible: Professorships (Open Rank: W3 tenured or W2 with W3 tenure track)

“Cell Biology”

“Complex 3D Cellular Systems”

“Functional Metabolomics”

“Computational Systems Biology”

The professorships “Cell Biology” and “Complex 3D Cellular Systems” are affiliated to the Department CCB, the professorships “Functional Metabolomics” and “Computational Systems Biology” are affiliated to the Department BCI, mutual co-optation of the professorships at both departments is intended. Therefore, the successful candidates will specialize in research and teaching in their respective fields.

Candidates for the professorship in Cell Biology

will have a record in highly innovative cell-biology research with relevance for oncology or immunology.

Applicants for the professorship in Complex 3D Cellular Systems

will have a focus on biological questions for which expertise in complex 3D cell culture systems is required, especially in reconstructing physiologically relevant organ-like properties that can interact with their environment.

The call for a professorship in Functional Metabolomics

addresses applicants who use and develop innovative methods for investigating the metabolome, preferably of eukaryotic cells. Potential fields of application for the methods employed should ideally include the biotechnological production of drugs or the development of diagnostic markers.

For the professorship in Computational Systems Biology,

researchers should be able to develop models for complex biological processes and systems from the molecular to the organ level using modern bioinformatics methods (e.g., artificial intelligence) in order to answer fundamental biological questions.

TU Dortmund University is seeking excellent researchers with an acknowledged record of relevant publications in leading international venues with peer review. Success in the independent acquisition of third-party-funded projects is required.

Applicants will contribute to collaborative research projects and alliances within and outside TU Dortmund University and cooperate across the Dortmund Life Science Center departments.

Beyond this, for the W3 professorships, the candidates are expected to be highly internationally visible, have a continuous international publication record at a high level in venues with peer review, have independently acquired several research projects in competitive selection procedures and headed them (including joint research projects), and are integrated in leading international research networks.

Appropriate participation in teaching in the departments' degree programs and involvement in the development of an international master's degree program supported by both departments and corresponding teaching experience are required for all four professorships.

The successful applicants possess social, and leadership skills and are willing to participate in academic self-governance.

Preconditions for employment are specified in § 36 and § 37 Hochschulgesetz NRW (law governing universities in NRW).

For the W2 professorships with the W3 tenure track, the appointment is initially for five years as a temporary civil servant. At the end of this five-year period at the latest, the tenure track will lead to continued employment as a tenured W3 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.

TU Dortmund University strives to increase the number of women in academic research and teaching and therefore explicitly encourages women to apply.

TU Dortmund University is an equal opportunity employer and gives preference to candidates with disabilities if equally qualified.

TU Dortmund University supports the compatibility of work and family life and promotes gender equality in science.

Please send your application, including the usual documents (application form, CV, list of publications and lectures including three key publications, research concept [max. 1 DIN A4 page], an overview of teaching and research experience, list of acquired third-party funds, certificates) only via e-mail (in one pdf-file) to the following address by 15.12.2021

Deans' Offices of Departments CCB and BCI
e-mail: applications.dolce@tu-dortmund.de

You will find the application form under the following link:
<https://berufung.tu-dortmund.de/berufungsverfahren/dokumente/>

For questions regarding “Functional Metabolomics” and “Computational Systems Biology”, please get in touch with the

Dean of the Department of Biochemical and Chemical Engineering
Professor Dr. Stephan Lütz
TU Dortmund University
44221 Dortmund – Germany
tel.: 0049-231/755-5950
e-mail: dekanat.bci@tu-dortmund.de
www.bci.tu-dortmund.de

For questions regarding “Cell Biology” and “Complex 3D Cellular Systems”, please get in touch with the

Dean of the Department of Chemistry and Chemical Biology
Professor Dr. Stefan Kast
TU Dortmund University
44221 Dortmund – Germany
tel.: 0049-231/755-3730
e-mail: dekan.ccb@tu-dortmund.de
www.ccb.tu-dortmund.de