technische universität dortmund

With 6,300 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 34,300 students who benefit from this.

The Faculty of Chemistry and Chemical Biology at TU Dortmund University is seeking to fill the position of a

Professor (W3) in "Chemical Systems Biology of Nucleic Acids"

commencing as soon as possible. The successful candidate will specialize in research and teaching in the field of "Chemical Systems Biology of Nucleic Acids".

The professorship should expand the Faculty's activities and range of methods in the study and modulation of biomacromolecules by expertise in the system-wide analysis of RNA. Potential research activities lie in the biology of non-coding RNAs or epitranscriptomics and should be investigated utilizing, in particular, methods of high throughput sequencing and data analysis at the cellular level.

We are seeking a personality whose independent research in one of these areas is demonstrated by excellent scientific achievements, especially by high-ranking, international publications in peer-reviewed journals. The candidate should already have conducted successful research at the intersection of chemical biology and data science. Applicants should contribute to interdisciplinary collaborative research projects within and outside TU Dortmund University. Potential collaborative research activities within the Faculty of Chemistry and Chemical Biology include the modulation of RNA functions by small effector molecules or the development of chemically inspired methods for system-wide analysis of RNA functions, interactions and structures.

The professorship should reinforce synergy development between TU Dortmund's profile areas "Chemical Biology, Drug Research and Process Engineering" and "Data Analysis, Modeling and Simulation" with the Max Planck Institute of Molecular Physiology. It should, moreover, support continued development and cooperation within the University Alliance Ruhr.

Successful acquisition of third-party funding is required. An appropriate contribution to the faculty's curriculum, in the medium term in German and English, is expected. The successful candidate will possess social and leadership skills and be willing to be involved in academic self-governance.

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

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 (CV, list of publications and oral presentations, three representative publications, a statement of research concept (max. 1 DIN A4 page) and teaching and research experience, list of acquired third-party funding, certificates), by e-mail in one pdf-file to the following address by 12.08.2020

Dean of the Faculty 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