



With more than 6,200 employees in research, teaching and administration and its unique profile, TU Dortmund University shapes prospects for the future: The cooperation between engineering and natural sciences as well as social and cultural studies promotes both technological innovations and progress in knowledge and methodology. And it is not only the more than 34,600 students who benefit from that.

Open postdoctoral position in the Cluster of Excellence RESOLV

RESOLV is a world-leading interdisciplinary research institution in Solvation Science awarded as a Cluster of Excellence by the German Excellence Strategy. Within RESOLV, more than 200 scientists at six institutions in the Ruhr area covering experimental chemistry, theory and chemical engineering investigate how solvents are involved in the control, mediation and regulation of chemical reactions and processes. RESOLV's mission stretches from fundamental research to the translation into applications such as green technologies or smart sensors.

We seek a postdoctoral researcher to join the research group of Prof. Dr. Müge Kasanmascheff at the Technical University of Dortmund for a fixed-term employment of two years according to public service's wage agreement TVL 13. The position is fulltime, in principle, also appropriate for part-time employment.

The TU Dortmund University promotes diversity and equal opportunities. Convince us with your personality and expertise. Applications from women will be given preferential treatment in accordance with the legal regulations. It is pointed out that the application of suitable severely disabled persons is desired.

Complete applications including a cover letter, CV, short letter of motivation and at least two contacts for further references should be sent stating reference number **w70-23** until **20.09.2023** to:

YOUR TASKS:

- You will have the unique opportunity to combine Overhauser dynamic nuclear polarization (ODNP), advanced electron paramagnetic resonance (EPR) and nuclear magnetic resonance (NMR) methods to investigate the role of the local properties (e.g. local density), structure and dynamics of water molecules interacting with proteins and biopolymers in tuning the thermodynamics and kinetics of biological liquid-liquid phase separation processes.

WHAT WE OFFER:

- You will be embedded in a high-profile research environment.
- You will benefit from personal development possibilities, the entrepreneurial attitude within RESOLV and a broad spectrum of lectures as well as transferable skills courses.
- You are provided with funding for visiting international conferences.

YOUR PROFILE:

- a Ph.D. in Physics/Chemistry and a background/experience in magnetic resonance spectroscopic methods (EPR or NMR).
- very good English language

JProf. Dr. Müge Kasanmascheff
EPR Spectroscopy on Biological and Chemical Systems
Technical University of Dortmund
Department of Chemistry and Chemical Biology
Otto-Hahn-Str. 6
44227 Dortmund, Germany

If you have questions, please write to
muege.kasanmascheff@tu-dortmund.de