

*We are one of the youngest universities in Germany and think in terms of opportunities rather than limitations. In the heart of the Ruhr metropolis, we develop ideas with a future. We are strong in research and teaching, live diversity, promote potential and are committed to upholding educational equality.*



RESOLV (Ruhr Explores Solvation) is a world-leading interdisciplinary research institution in Solvation Science awarded as a Cluster of Excellence by the German Excellence Strategy. Within RESOLV, scientists from 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, including chemical energy conversion and heterogeneous catalysis.

The Collaborative Research Center / Transregio 247 (CRC/TRR 247) "Heterogeneous Oxidation Catalysis in the Liquid Phase" aims at generating fundamental understanding and predictive knowledge of oxidation processes at the solid/liquid interface. In the CRC/TRR 247, 24 Principal Investigators at the University of Duisburg-Essen, the Ruhr University Bochum and surrounding research institutions investigate materials and reactivity of thermal, electro- and photocatalytic oxidation reactions to unravel the nature of the catalytically active sites and the reaction mechanisms.

For strengthening the scientific activities within RESOLV and the CRC/TRR 247, we are seeking a new faculty member in the **Faculty of Chemistry** at the **University of Duisburg-Essen** as soon as possible:

**Full Professor (W3 level) in  
Physical Chemistry of Liquid/Solid Interfaces  
in Heterogeneous Catalysis and Chemical Energy Conversion**

Eligible candidates have an excellent track record and international visibility in the physical chemistry of heterogeneous electro-, photo-, or thermal catalysis and will establish an innovative research program with a focus on spectroscopy, model catalysis, surface/interface science or method development, with a clear perspective to study reaction mechanisms and kinetics.

Applicants should present a research program that strengthens the faculty's current focus on in-situ studies of chemical reactions at liquid/solid interfaces by innovative physico-chemical methods. The new professor will be closely integrated in the Cluster of Excellence RESOLV ([www.solvation.de](http://www.solvation.de)) and in the CRC/TRR 247 ([www.trr247.de](http://www.trr247.de)). Intense collaborations with existing research groups within the Faculty of Chemistry, the Center for Nanointegration Duisburg-Essen (CENIDE), and the Centre of Water and Environmental Research (ZWU) are expected.

Full commitment to teaching in physical chemistry in chemistry and related subjects at all levels and full width is expected. Active participation in academic self-administration is expected.

The hiring requirements comply with § 36 of the Higher Education Act of North Rhine-Westphalia (HG).

The University of Duisburg-Essen promotes the diversity of its members (<https://www.uni-due.de/diversity>). It strives to increase the percentage of women in its academic staff and therefore emphatically invites qualified women to apply. In the case of equal qualifications, female candidates will be considered with preference (Equal Opportunities Act). As per § 2 Sect. 3 SGB IX, applications by candidates with a disability or equivalent status are especially welcome.

Applications (in English) should include a detailed Curriculum Vitae (with information on honors and awards, invited lectures, current and past third-party funding, teaching and supervision, academic and professional service), a list of all publications, a list and the PDFs of the five most important publications, certificates of academic degrees, an outline of the general research interests, as well as research plans within the RESOLV and CRC/TRR 247 consortia and the envisaged connections with the Faculty of Chemistry covering the next five years. The letter of application should be sent via email to the Dean of the Faculty of Chemistry, Prof. Dr. Torsten Schmidt ([dekan.chemie@uni-due.de](mailto:dekan.chemie@uni-due.de)), not later than 08.02.2021.