



The Ruhr-Universität Bochum (RUB) is one of the leading research universities. The university draws its strengths from both the diversity and the proximity of scientific and engineering disciplines on a single, coherent campus. This highly dynamic setting enables students and researchers to work across traditional boundaries of academic subjects and faculties.

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, 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.

In order to complement the existing expertise in the Cluster of Excellence RESOLV (DFG EXC 2033), we announce **two positions for Independent Early Career Research Group Leaders** (according to TV-L 13/14 salary; with start-up package; initial appointment for 2 years with possible extension up to December 2025) to build up independent **Early Career Research (ECR) Groups** within the stimulating environment of the Cluster of Excellence RESOLV.

Joint RUB-MPI Early Career Research Group "Spectroscopy on electrochemical surfaces":

A new joint Nano-Spectroscopy Laboratory will be set-up at the Max-Planck-Institut für Eisenforschung in Düsseldorf to link the research in the areas of electrochemistry and spectroscopy at the Ruhr-Universität Bochum with those at the Max-Planck-Institut in Düsseldorf. The group leader will receive funding for instrumentation to establish surface sensitive spectroscopy techniques to locally probe electrochemical interfaces. The research is deeply embedded in the Cluster of Excellence RESOLV.

Joint RUB-MPI Early Career Research Group "Catalysis":

This group will be initiated as a link between the Ruhr-Universität Bochum and the Max-Planck-Institut für Kohlenforschung in Mülheim with a focus on investigating and optimizing catalytic processes in liquids at the molecular level. A close collaboration with the existing groups in RESOLV is expected.

All the aforementioned positions will strongly benefit from the latest research infrastructure to be provided by the Max-Planck-Institute für Eisenforschung and für Kohlenforschung, the ZEMOS Research Center ("Center for Molecular Spectroscopy and Simulation of Solvent Controlled Processes"), as well as the Cluster of Excellence RESOLV.

Relevant additional information can be found at www.solvation.de, www.rub.de/zemos, www.mpie.de, and www.kofo.mpg.de.

The applicants are expected to have an outstanding record of publication. An important aspect is the ability and the willingness of the candidate to collaborate with existing groups in the Cluster of Excellence RESOLV. The starting dates for the positions are subject to negotiation. Funding is restricted to five years.

Applications should include a detailed curriculum vitae (with information about awards, presentations, grants), a list of all publications, a list and the PDFs of the five most important publications, a two-page outline of the general research interests as well as a two-page research plan for five years in Solvation Science@RUB.

Complete applications should be sent exclusively electronically not later than 22.05.2019 as one pdf document to the speaker of the Cluster of Excellence RESOLV: Prof. Dr. Martina Havenith-Newen, re: "RESOLV EXC2033 – ECRG Leaders", NC 7/72 Ruhr Universität Bochum, 44780 Bochum, Germany. E-Mail: resolv@rub.de

The Ruhr-Universität Bochum is an equal opportunity employer. Ruhr-Universität Bochum seeks to foster the careers of women and therefore explicitly encourages women to apply. Disabled persons with equivalent qualification will be especially considered.