Within RESOLV, more than 200 scientists at six institutions in the Ruhr area, covering experimental chemistry, theory, chemical physics, and chemical engineering, investigate how solvents are involved in the control, mediation and regulation of chemical reactions and processes. The research focuses on three main areas: I) Charge and Electron Transfer: The Solvent in Action, II) Solvent Design for Chemical Processes, and III) Tuning Stability and Homogeneity. RESOLV's mission stretches from fundamental research to applications and products. For details, please refer to: https://www.solvation.de/research

PROJECT OPPORTUNITIES:

For an overview of possible research fields and involved Principal Investigators and Participating Scientists, acting as potential hosts, please refer to https://www.solvation.de/about/scientists.

WE OFFER:

- A high-profile research environment of RESOLV.
- Integration into the International Faculty Solvation Science.
- Personal development possibilities, and an accompanying program with a broad spectrum of lectures as well as transferable skills courses, as well as fostering an entrepreneurial attitude.
- As part of our PostdocNet, you will benefit from a wide range of opportunities for connection, collaboration and identity formation within the group of RESOLV Postdocs.

YOUR PROFILE:

- You hold an excellent and full university degree with a doctorate in Chemistry, Physics, Biochemistry, Chemical Engineering, or comparable subjects.
- Fascination for the interdisciplinary research field Solvation Science.
- You have experience in one of the following disciplines: (bio-) physical chemistry, synthesis (organic catalysis, coordination chemistry, electrosynthesis, bio- or electrocalatysis, small reactive intermediates), (time-resolved) (laser) spectroscopic techniques, theoretical chemistry (simulations or electronic structure calculations), sustainable reaction engineering, chemical engineering (thermodynamic measurements and modelling, formulation design, (cellular) biochemistry and protein engineering, microscopy at interfaces and on surfaces, ultra-low temperature chemistry.
- Ability and willingness to collaborate with other RESOLV researchers.

In case of questions, please contact: resolv@rub.de

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