

# Open postdoctoral positions in Research Area II of the Cluster of Excellence RESOLV

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## Stellenbeschreibung

RESOLV is a world-leading interdisciplinary research project 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. The research focuses on three main areas: I) Local Solvent Fluctuations in Heterogeneous Systems, II) Solvent Control of Chemical Dynamics and Reactivity, and III) Solvation Under Extreme Conditions. RESOLV's mission stretches from fundamental research to applications and products. For more information, please refer to our website ([www.solvation.de](http://www.solvation.de)).

### Open postdoctoral positions in Research Area II of the Cluster of Excellence RESOLV (m,f,x)

RESOLV has established a structured postdoctoral training platform with an emphasis on both individual research training and career coaching in academia, industry, and entrepreneurship. Applications for full-time postdoctoral researchers for two-year temporary subprojects (39.83 h/week, payment according to public service's wage agreement TV-L E13) are welcome.

#### Your tasks:

- In Research Area II, RESOLV faces the challenges that arise from the dynamical aspects of solvation (focus on the solute) and 'solvent shaping' (focus on the solvent) and addresses key issues using time-resolved techniques. Complex reacting systems in solution are tackled at the molecular level to lay the foundation for developing innovative synthesis strategies for green chemistry.

## Anforderungsprofil & Qualifikationen

#### Your profile:

- You hold a full university degree with a doctorate in Chemistry, Physics, Biochemistry, Chemical Engineering or comparable subjects.
- You are fascinated by the interdisciplinary research field Solvation Science.
- You have experience in one of the following disciplines: synthesis (organic catalysis, coordination chemistry, electrosynthesis), (time-resolved) laser spectroscopic techniques, theoretical chemistry (simulations or electronic structure calculations), or sustainable reaction engineering.
- You have a solid knowledge of English in a professional environment (at least level B2, oral and written).

#### **Our offerings:**

- You will be embedded in a high-profile research environment.
- You are integrated in the International Faculty Solvation Science.
- 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.

#### **Additional information:**

At the request of the applicant (m,f,x), the staff council may be involved in selection interviews. <https://www.wpr.ruhr-uni-bochum.de/>

If the position is funded by third-party funds the employee has no teaching obligation.

German language courses are offered by the University Language Center (ZfA) in the field of German as a Foreign Language (DaF).

<https://www.daf.ruhr-uni-bochum.de/sbgk/index.html.en>

You can find information about TVL at: <https://oeffentlicher-dienst.info/>

**The Ruhr-Universität Bochum is one of Germany's leading research universities, addressing the whole range of academic disciplines. A highly dynamic setting enables researchers and students to work across the traditional boundaries of academic subjects and faculties. To create knowledge networks within and beyond the university is RUB's declared aim.**

The Ruhr-Universität Bochum stands for diversity and equal opportunities. For this reason, we favour a working environment composed of heterogeneous teams, and seek to promote the careers of individuals who are underrepresented in our respective professional areas. The Ruhr-Universität Bochum expressly requests job applications from women. In areas in which they are underrepresented they will be given preference in the case of equivalent qualifications with male candidates. Applications from individuals with disabilities are most welcome.

## Contact details for your application:

Serena Orsi at [resolv@rub.de](mailto:resolv@rub.de).

Travel expenses for interviews cannot be refunded.

For information on the collection of personal data in the application process see:  
<https://www.ruhr-uni-bochum.de/en/information-collection-personal-data-application-process>.

**ANR: 3938 until 15.11.2024**

Applications are welcome any time. Complete applications including a CV and an outline of possible projects within RESOLV should be sent electronically as one pdf document to [resolv@rub.de](mailto:resolv@rub.de). For more information, please visit our website or contact Serena Orsi at [resolv@rub.de](mailto:resolv@rub.de).

## Vorteile für Mitarbeitende

- Vergünstigtes Jobticket
- Arbeitsplatz in lebendiger Metropolregion

## Stellenmerkmale

Beschäftigungsart	Wissenschaftliche:r Mitarbeiter:in
Beschäftigungsumfang	Vollzeit (befristet)
Home Office	Nein
Bewerbungslink	<a href="https://jobs.ruhr-uni-bochum.de/jobposting/f15cb80ef3293e3c331fbefb76e7f20f8054f2e6?ref=stellenwerk">https://jobs.ruhr-uni-bochum.de/jobposting/f15cb80ef3293e3c331fbefb76e7f20f8054f2e6?ref=stellenwerk</a>

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## Kontaktdaten

Firma/Hochschule	Ruhr-Universität Bochum
Anschrift	Universitätsstraße 150

Kontakt

E-Mail

Webseite

44801 Bochum

Serena Orsi

 [resolv@rub.de](mailto:resolv@rub.de)

<https://uni.ruhr-uni-bochum.de/de/stellenangebote>