Supporting Early Career Researchers at
RESOLV
Cluster of Excellence - EXC 2033

IGSS
INTEGRATED GRADUATE SCHOOL
SOLVATION SCIENCE

DOCTORAL PROGRAM AT IGSS
- Interdisciplinary education for PhD students of chemistry, physics, biochemistry, engineering, or related discipline
- Entrance with a Master’s or Bachelor’s Degree
- High-profile collaborative research environment
- Additional Early Career Researcher (ECR) benefits
- Frequent opportunities for dialogue with international and local PIs/PSs at RESOLV’s seminars and annual scientific workshops
- High-standards: Applicants hold an A Grade/1.5 German GPA

RESOLV RESEARCH AREAS
- 200 Scientists cooperate to clarify how the solvent is involved in the control, mediation and regulation of chemical reactions in three main areas:
  - (I) Local Solvent Fluctuations in Heterogeneous Systems
  - (II) Solvent Control of Chemical Dynamics and Reactivity
  - (III) Solvation Under Extreme Conditions
- This research is essential to advance technologies that could reuse CO₂ for chemicals production, increase the efficiency of energy conversion and storage and develop smart sensors amongst other topics (see Publications)

SPECIAL FUNDING
- DFG funded RESOLV doctoral-student employment
- PhD qualification stipend for preparatory year (Track II)
- To apply, visit Job & Training for official calls

TRAINING PLAN
- Research studies with one of 45+ PIs/PSs at RESOLV at Ruhr University Bochum, TU Dortmund University, University Duisburg-Essen, and at the research centers Fraunhofer UMSICHT, Max Planck Institute for Coal Research, and Max Planck Institute for Iron Research
- Track II students: the Master Year provides a personalised preparatory course of studies in a Fast-Track graduate program
- 3-month international internship within the International Faculty Solvation Science
- Partake in the IGSS Summer School at RUB with international researchers

The International Faculty - Solvation Science is an international network of leading scientists and over 20 top institutions in the US, Europe, Asia, and Israel
CalSOLV as sister institute of RESOLV in California
Exchange of knowledge & ideas with people at all stages of their academic career

EARLY CAREER RESEARCHERS (ECR)
- PhD students, postdocs, and ECR Group Leaders gain early scientific independence
- The ECR Board supports interests of our young scientists
- Own funds for career coaching, soft skills courses on advanced leadership skills, etc.
- ECR Group Leaders (2019 pictured below) work independently with equal rights like tenured professors

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iGSS Office
Building ZEMOS 0.99 | Universitätsstraße 150 I D-44801 Bochum
Tel +49 (0)234 32-27240 | Fax +49 (0)234 32-34027
Email igss@rub.de
Web www.solvation.de/career/graduate-school
Twitter @solvationsci