



RUHR EXPLORES SOLVATION

RESOLV

Understanding and Design of Solvent Controlled Processes

Instructions for the Submission of RESOLV Proposals for a 6-month Qualification Stipend

Please note:

No financial commitments by RESOLV can be made after 31.12.2018.

To be submitted to the RESOLV Office (resolv@rub.de). Note that proposals for RESOLV Qualification Stipends can be submitted all year round.

(Proposal Text: 2 pages, Arial 12, single line spacing, English, one pdf document)

NB. Only the PIs and PSs of RESOLV are eligible to submit applications for a research project for Qualification Stipends.

Proposal Header:

(Please fill in the information of your project application)

Version of Proposal Guideline:	2016-Qualification-006
Date:	
Name of Applicant: <i>(Member of RESOLV)</i>	
Title of proposed Research Project:	
Allocation to Research Area(s) and Cross-Linking Topics: <i>(Please indicate Research Area A, B, and/or C; as well as the name of the Cross-linking Topic Category, if applicable)</i>	
Team Members of the Project: <i>(Please also indicate if other PIs/PSs and/or Members of the IF Solvation Science are involved in your Research Project)</i>	
Project Advisor(s): <i>(Please list the names of the research project advisor(s))</i>	
Comments:	
Reference Number for Submitted Proposal: <i>(to be filled in by RESOLV Office)</i>	

Proposal Text: Title of Proposal

1. Introduction (Abstract; ca. 0.25 pages):

(This part should describe the scientific problem and common objectives.)

2. Description of the preliminary work and contribution of each applicant (up to 0.5 pages):

(Please include references (according to DFG standards; 1 key publication (PDF) should be attached as a pdf file) demonstrating the importance of the project (e.g. expertise) and its added value for RESOLV (importance for the respective Research Area, and Cross-Linking Topics).)

3. Description of the work program (up to 1 page):

(Include scientific objectives, methods, work package. Describe the integration into RESOLV collaboration network (PIs/PSs and IF members) and possible links to other existing research networks.)

4. Name(s) of the Project Advisor(s)

(Please list the name(s) of the Project Advisor(s))

Rules of the Qualification Stipend of RESOLV

5. Funding period

The funding period starts as soon as you receive a positive decision by the RESOLV committee. The project will be funded for six months. Subsequently, it is possible to apply for a GSS PhD Stipend.

Funding will include one Qualification Stipend and a fixed project grant for other costs (refer to Table 1 for further details).

Table 1: Project Funds

English	Deutsch
<i>Project Funds</i>	<i>Beantragte Projektmittel</i>
Qualification Stipend:	Qualifizierungsstipendium zur Forschungsvorbereitung:
Basic Stipend rate: 800 EUR per month	„Stipendiengrundbetrag“: 800 EUR monatlich
Project Grant “other costs category”	Sachmittelzuschuss zum beantragten Projekt
Fixed project funds of max. 4,200 EUR p.a. for groups working in a theoretical field and 8,400 EUR p.a. for groups working in an experimental field will be granted per project and position occupied. If the position is occupied during the course of the year the project funds amount to 1/12th of 4,200 EUR or 8,400 EUR for each month.	Antragsteller/innen erhalten eine Sachmittelpauschale in Höhe von max. 4,2 K€ p.a. (für theoretisch arbeitende Gruppen) bzw. 8,4 K€ (für experimentell arbeitende Gruppen) für jeden bewilligten Projektantrag und besetzte Stelle/Stipendium. Bei Stellenbesetzung während des laufenden Kalenderjahres wird die Sachmittelpauschale für jeden Monat auf 1/12 von 4.200 € bzw. 8.400 € festgesetzt.
Please note the special regulations for the spending of project funds in 2017 (see RESOLV Intranet -> Sachmittel).	Bitte beachten Sie die besonderen Abrechnungsrichtlinien für Sachmittel im Jahr 2017 (siehe RESOLV Intranet -> Sachmittel).

6. Reporting and active contribution to RESOLV

I am aware that each GSS stipend of RESOLV has to complete a project report. The deadline and format of this report will be announced in due course.

I am also aware that the qualification candidate (stipend holder) and project leaders are expected to actively participate in the activities of RESOLV.

7. Acknowledgment

The contributions to conferences (oral or poster presentations) must include the RESOLV Logo (can be downloaded on the Solvation Science Intranet: <http://www.ruhr-uni-bochum.de/solvation/intranet/>) and acknowledge the Cluster of Excellence RESOLV (EXC 1069).



In the acknowledgement of papers resulting from scientific work within the framework of RESOLV the following sentence must be used: „This work is supported by the Cluster of Excellence RESOLV (EXC 1069) funded by the Deutsche Forschungsgemeinschaft.“

Signature of Applicant

Glossary:

Titles of Research Areas:

Research Area A: Understanding and Exploiting Solvation in Chemical Processes

A-1: Van der Waals Complexes and Hydrogen Bonds: Solvating Pre-Reactive Complexes

A-2: Non-Conventional Solvents: Ionic Liquids and Supercritical Fluids

A-3: Solvation of Ion Pair Intermediates: Steering Chemical Reactions

A-4: Solvation of Non-Conventional Molecules: Radicals and Other Open Shell Species

Research Area B: Connecting Solvation Dynamics with Biomolecular Function

B-1: Understanding Hydration Dynamics

~~**B-2:** Solvent and Osmolyte Effects on the Formation and Dynamics of Peptide Secondary and Supersecondary Structures (entfällt)~~

B-3: Protein Interactions and Aggregation: Influence of Solvents and Co-Solvents

B-4: Enzymatic Reaction Mechanisms and the Influence of Co-Solutes and Co-Solvents

Research Area C: Ion Solvation and Charge Transfer at Interfaces

C-1: Complex Liquid/Solid Interfaces: Coordination, Ad/Desorption, and Defects

C-2: Liquid/Soft Matter Interfaces: Function by Structuring the Solvent

C-3: Electrodes at Work: From Polarization to Electron Flow to Electrochemistry

~~**C-4:** Ultrahigh Ion Concentrations: Solvent-Deficient Systems and Competition for Solvent (entfällt)~~

C-5: Heterogeneously Catalyzed Liquid-Phase Redox Reactions: Mechanisms and Structure-Activity Relationships

Titles of Cross-linking Topic Categories:

1. Solvation Shells and Interfacial Water
2. Ultra-High Concentrations and Crowding
3. Charged Solutes and Electrodes
4. Designer Solvents
5. Desolvation and Resolvation
6. Ion Pairs and Zwitterions