



RUHR EXPLORES SOLVATION

**RESOLV**

Understanding and Design of Solvent Controlled Processes

## Application Guidelines for a RESOLV GSS Stipend Extension (For a completion funding of up to 1 year)

**Please note:****No financial commitments by RESOLV can be made after 31.12.2018.**

To be submitted to the RESOLV Office ([resolv@rub.de](mailto:resolv@rub.de)). Please note that this application should be submitted no later than 3 months BEFORE the end of the 3-years funding period

(Document Text: English only, please send as one document)

**NB. Only the RESOLV PIs and PSs are eligible to submit applications for the extension of a GSS PhD Stipend**

### Document Header:

(Please fill in the information of your project application)

Version of Proposal Guideline:	2016-PhD_compl-001
Date:	
Name of Applicant: (Member of RESOLV)	
Name of Doctoral Student:	
Title of Current Research Project:	
Allocation to Research Area(s) and Cross-Linking Topics: (Please indicate Research Area A, B, and/or C; as well as the name of the Cross-linking Topic Category, if applicable)	
Team Members of the Project: (Please also indicate if other PIs/PSs and/or Members of the IF Solvation Science are involved in your Research Project)	
2 PhD Advisors	
Application for a completion funding period of: (You can apply for up to 1 year of completion funding.)	
Comments:	
Reference Number for Submitted Proposal: (To be filled in by RESOLV Office)	

Main body of **Document Layout:**

**1. Please include a copy of your “Individual Training Schedule”**

*(We expect the GSS Training Schedule to be completed within the first three years of funding.)*

**2. Summary of the main achievements so far (up to 6 pages)**

**3. List of publications and manuscripts in preparation**

*(Please include all patents and publications (published, submitted and drafts) arising from the project and/or written by the stipend candidate as pdf files. We expect at least one submitted publication.)*

**4. Detailed work schedule for max. 10 months**

*(The final work for the project, the submission and the defense of the PhD thesis has to be done within the completion funding by RESOLV. Please specify a detailed work plan for max. 10 months for the completion of your work. Please specify the expected date for the submission of your thesis and the exam period for your defense.)*

**5. Statement of supervisor**

*(Please include a statement of your supervisor that the submission and defense of your thesis is ensured within the completion funding / within max. 4 year after the start of your PhD thesis.)*

## **Rules of the GSS PhD Stipend**

### **6. Funding period**

The project will be funded for up to 12 more months if positively evaluated by the RESOLV committee. Please specify the completion funding period you apply for in the project header. **Further funding beyond this completion funding (max. 4 years in total) is NOT possible.**

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

**Table 1: Project Funding**

<b>English</b>	<b>Deutsch</b>
<i>Project Funds</i>	<i>Beantragte Projektmittel</i>
<b>PhD Stipend:</b>	<b>Doktorandenstipendium:</b>
Basic Stipend rate: 1.365 EUR per month	„Stipendiengrundbetrag“: 1.365 EUR monatlich
Rate for other expenses and travel costs: 103 EUR per month	„Mittel für Sach- und Reisekosten in Höhe von 103,- EUR monatlich (Sachkostenzuschuss)“
<b>Travel Cost Reimbursement</b>	<b>Reisekosten</b>
Up to 1.500 EUR per annum for the duration of the stipend	Bis zur 1.500 EUR pro Jahr für die Dauer des Stipendiums
<b>Project Grant “other costs category”</b>	<b>Sachmittelzuschuss zum beantragten Projekt</b>
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).

## 7. Reporting and active contribution to RESOLV

I am aware that the project leaders are expected to actively participate in the annual RESOLV Workshop and seminars.

## 8. 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.“

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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