



Instructions for the Submission of RESOLV Proposals for a 3-6 month Internship Stipend

To be submitted to the RESOLV Office (resolv@rub.de). Note that proposals for RESOLV Internship 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 Internship Stipends.

Proposal Header:

(Please fill in the information of your project application)

<i>Version of Proposal Guideline:</i>	2013-Internship-001
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 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.)

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

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



Rules of the Internship Stipend of RESOLV

4. Funding period

The funding period starts as soon as you receive a positive decision by the RESOLV committee. The project will be funded for three to six months.

Funding will include one Internship Stipend.

Table 1: Project Funds

English	Deutsch
<i>Project Funds</i>	<i>Beantragte Projektmittel</i>
Internship Stipend:	Internshipstipendium:
Basic Stipend rate: 800 EUR per month	„Stipendiengrundbetrag“: 800 EUR monatlich

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