#### **GETTING HERE**

#### By public transport

Bochum Central Station is served by ICE, IC, EC, regional, and suburban trains at a high frequency. From there, you can reach us easily by taking the underground line U35 (CampusLinie) straight to the Ruhr-Universität Bochum (RUB), which has its own station named after it. The U35 (direction Bochum Hustadt) runs at five-minute intervals on weekdays and takes just ten minutes to get to the university.

#### By car

Motorists can also easily reach the RUB via the dense network of motorways in Germany and especially in North Rhine-Westphalia. The quickest route is via the motorway junction Bochum/Witten, where the A43 and A44 meet. Simply take the exit Bochum-Querenburg, follow the signs "Ruhr-Universität" and then the (electronic) information boards.

#### By plane

Four airports – Dortmund, Münster/Osnabrück, Cologne/Bonn, and Düsseldorf – are within a reasonable distance of the RUB. Düsseldorf Airport, however, is not only the largest, but also the most easily accessed: there are direct connections between the airport and Bochum's main train station up to eight times per hour, and the journey only takes around half an hour.

#### REGISTRATION

#### Registration is free of charge.

Deadline for registration is Monday  $20^{\rm th}$  May 2013. Please note that registration is only available online under

http://www.ruhr-uni-bochum.de/solvation/opening

and is necessary for participation.

There will be a Poster Session, if you are interested please use the above link to upload an abstract during registration.

#### Contact:

Coordinator: Prof. Dr. Martina Havenith-Newen RUHR-UNIVERSITÄT BOCHUM

Exzellenzcluster RESOLV

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### **RUHR-UNIVERSITÄT** BOCHUM

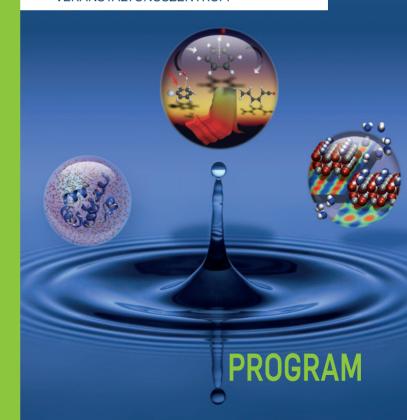


# INTERNATIONAL OPENING SYMPOSIUM

OF THE CLUSTER OF EXCELLENCE RESOLV

4th and 5th June 2013

RUHR-UNIVERSITÄT-BOCHUM VERANSTALTUNGSZENTRUM



## **Program**

June 3 <sup>rd</sup> 2013	3	June 5 <sup>th</sup> 2013	
19:30 - 22:00	Welcome Reception	09:00 - 09:40	Angel E. Garcia, Rensselaer Polytechnic Institute, USA
June 4 <sup>th</sup> 2013			"Solvent and Co-solvent effects on biomolecular stability"
09:00 - 09:30	Prof. Dr. E. Weiler, Rector of the Ruhr University Bochum Prof. Dr. M. Havenith, Coordinator of RESOLV	09:40 - 10:20	Barry Carpenter, Cardiff University, UK "Energy Transfer: a Missing Factor in Common Solvation Models"
09:30 - 09:40	Musical Interlude	10:20 - 10:50	Coffee Break
09:40 - 10:20	Philip Ball, Science Writer UK "From damnation to solvation"	10:50 - 11:30	Ruth Gschwind, University of Regenburg, Germany "Solvent Effects in Organic, Bioorganic and Organometallic Chemistry Revealed by NMR"
10:20 - 10.50	Coffee Break	11:30 - 12:10	Peter Chen, ETH Zürich, Switzerland
10:50 - 11:30	Irit Sagi, Weizmann Institute, Israel "Site directed solvation dynamics mediates enzyme		"Gas-phase organometallic thermochemistry: What do we learn about solution-phase chemistry?"
	catalysis"	12:10 - 13:40	Lunch
11:30 - 12:10	Teresa Head-Gordon, UC Berkeley, USA "Dynamical environments and De Novo Enzymes"	13:40 - 14.20	Huib J. Bakker, FOM, NL "Proton transfer and water dynamics at membrane surfaces"
12:10 - 12:50	William L. Jorgensen, Yale University, USA "Drug Discovery Accelerated by Computational Methods"	14:20 - 15:00	Timothy Zwier, Purdue University, USA "Solvent Effects on Vibronic Coupling in a Flexible
12:50 - 14.20	Lunch		Bichromophore: H <sub>2</sub> O-mediated electronic localization and electronic energy transfer"
14:20 - 15:00	Miguel A. Garcia-Garibay, UCLA, USA "Molecular rotors in amphidynamic crystals"	15:00 - 15:40	Mark Johnson, Yale University, USA "Probing local solvent environments with isotopic
15:00 - 15:40	Volkhard Helms, Saarland University, Germany "Structured solvent around biomolecules shapes the		labels using double resonance vibrational spectrosocpy of cryogenic ions"
	binding funnel"	15:40 - 16:10	Coffee Break
15:40 - 16:20	Daniel Borgis, École Normale Supérieure , France "Molecular Density Functional Theory approach to three-dimensional solvation"	16:10 - 16:50	Hans Robert Kalbitzer, University of Regensburg, Germany
16:20 - 16:50	Coffee Break		"Detection of rare conformational states of proteins by high pressure NMR spectroscopy"
16:50 - 17:30	Sabine Laschat, University of Stuttgart, Germany "Ionic liquid crystals - the charge makes the diffe- rence"	16:50 - 17:30	Peter Hamm, University of Zürich, Switzerland "Towards a Molecular Understanding of Allosteric Dynamics by Ultrafast IR Spectroscopy"
17:30 - 18:10	David N. Reinhoudt, University of Twente, NL "From supramolecular chemistry to nanofabrication"	17:30 - 18:10	Martin Blackledge, Institut de Biologie Structurale J.P. Ebel, France "Functionally Important Conformational Dynamics in Folded and Intrinsically Unfolded Proteins from Nuc-
18:10 - 18:50	Ursula Röthlisberger, EPFL, Switzerland TBA		lear Magnetic Resonance Spectroscopy"
		18:10 - 18:30	Closing Remarks
		18:30 - open end	Poster Session and BBQ



