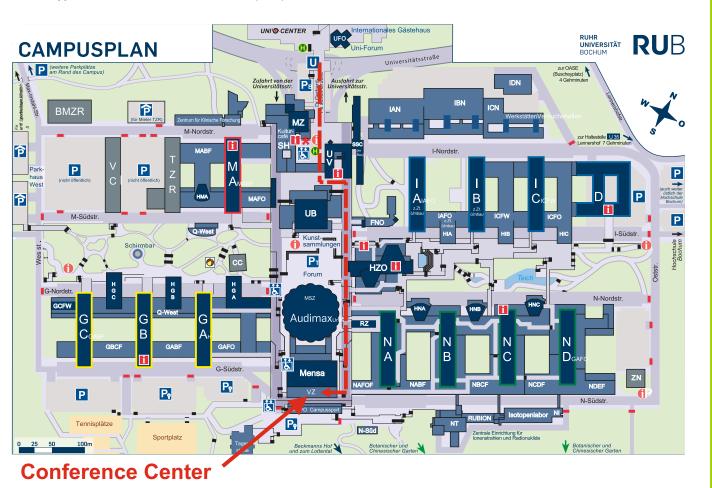
WELCOME TO THE RUHR-UNIVERSITY BOCHUM

How to get to the Conference Center Universitätsstr. 150, 44801 Bochum: The best thing is to travel to the RUB-Station (U 35) and then go by foot. Walk past the university library and the Audimax, keep walking south and take the stairs next to the Mensa in order to get to the Conference Center (Veranstaltungszentrum). Alternatively you can also take the elevator inside the Mensa (Bistro).



RUHR-UNIVERSITY BOCHUM
Cluster of Excellence RESOLV

Dr. Nina Winter

Gebäude NC 02/75 | Universitätsstraße 150 | D-44801 Bochum **Fon** +49 (0) 234 32 27240 | **Fax** +49 (0) 234 32 14027 gss@rub.de







Summer School Solvation Science

"Ruhr Explores Solvation"

25th - 29th May 2015

RUHR-UNIVERSITY BOCHUM
Conference Center



PROGRAM

Monday, 25th May 2015

18:00 Arrival and Welcome

Tuesday, 26th May 2015

Advanced Modules

theoretical and experimental hands-on courses at participating institutes

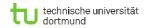
Wednesday, 27th May 2015

Advanced Modules

theoretical and experimental hands-on courses at participating institutes

This Summer School is held in conjunction with the following institutes:







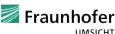








UNIVERSITÄT



Thursday, 28th May 2015

09:00	Marcus Petermann, RUB (DE)
	"Welcome to the Summer School Solvation Science"

09:15 **Nicolas Plumere**, RUB (DE)

"Introduction into the basic concepts of electrochemistry"

10:45 Coffee Break

11:15 Candace Chan, Arizona State Univ. (USA)
"Solid-electrolyte interphases in high energy density silicon-based lithium battery electrodes"

12:00 **Katrin Domke**, MPI Polymer Research (DE) "Raman under water - pushing sensitivity and spatial resolution"

12:45 Lunch

14:15 **Janne Savolainen**, RUB (DE) "Introduction into the basic concepts of THz spectroscopy"

15:45 Coffee Break

16:15 **Robert Falconer**, Univ. of Sheffield (UK)
"The Application of Microcalorimetry and Terahertz
Spectroscopy to Study the Interaction between Proteins,
Cosolutes and Water"

17:00 Charles Schmuttenmaer, Yale Univ. (USA)
"The Nuts and Bolts of Probing Liquid Dynamics and Low
Frequency Modes of Organic Molecular Crystals with
THz Spectroscopy"

17:45 Dinner in RUB Conference Center

18:30 Klaus Roth, FU Berlin (DE)
"Beer - from the first glass to a hangover"

Friday, 29th May 2015

09:15	Bill Morandi, MPI for Coal Research (DE)
	"Introduction into the basic concepts of organic catalysis"

10:45 Coffee Break

11:15 **Stefan Matile**, Univ. of Geneva (CH) "Unorthodox Interactions in Organocatalysis"

12:00 **Karl Anker Jørgensen**, Univ. of Aarhus (DK) "Organocatalysis as a toolbox for diversity-oriented synthesis"

12:45 Lunch

14:15 Lars Schäfer, RUB (DE)
"Introduction into the basic concepts of MD simulations"

15:45 Coffee Break

16:15 Marie-Pierre Gaigeot, UEVE (F)

"Solvation and vibrational spectroscopy at solid oxyde/liquid water interfaces from AIMD simulations"

17:00 Mark Tuckerman, New York Univ. (USA)

"Going down to Feynman's path: A first-principles approach to nuclear quantum effects in solvation and transport"

17:45 Closing

18:00 Barbecue at Beckmanns Hof



