

Program Summer School Solvation Science 2022

Tuesday, June 7th

09:00 – 09:15 **Welcome: Dr. Martin Rabe**
ECR Board, Max-Planck-Institut für Eisenforschung, GER

Catalysis at Charged Interfaces, Chair: Moreno Ascani

09:15 – 10:15 **Dr. Nicolas Hörmann**, Fritz-Haber-Institute - Max-Planck-Gesellschaft, GER
“Recent insights from atomistic models of electrochemical solid-liquid interfaces”

10:15 – 10:45 Coffee Break

10:45 – 11:45 **Prof. Dr. Marc Koper**, Leiden University, NL
“Double layer and electrolyte effects in electrocatalysis on Pt and Au electrodes”

11:45 – 12:45 **Prof. Dr. Olga Kasian**, Helmholtz Zentrum Berlin, GER
“Structure-function properties of electrocatalysts for energy conversion and storage at atomic scale”

12:45 – 14:15 Lunch Break

Biomolecule Solvation, Chair: Daniel Pabsch

14:15 – 15:15 **Prof. Dr. Sereina Riniker**, ETH Zurich, CH
“Advances in Molecular Dynamics for the Study of Biomolecular Processes”
(Remote talk)

15:15 – 16:15 **Jun.-Prof. Dr. Franziska Thomas**, University of Heidelberg, GER
“Structural and functional engineering of WW domains”

16:15 – 16:45 Coffee Break

16:45 – 17:45 **Prof. Dr. Enrica Bordignon**, University of Geneva, CH
“Coupling between protein dynamics and hydration waters in the activation of a toxin and in liquid-liquid phase separation”
(Remote talk)

18:00 – 22:00 Welcome dinner at Beckmannshof

Wednesday, June 8th

09:00 – 09:15 **Welcome: Dr. Ana Vila Verde**
ECR Board, University of Duisburg-Essen, GER

Interface Solvation and Solvation under Confinement, Chair: Moreno Ascani

09:15 – 10:15 **Prof. Dr. Douwe Jan Bonthuis**, TU Graz, AU
“Ion solvation in bulk and at interfaces: from macroscopic thermodynamics to molecular models and back”

10:15 – 11:15 **Prof. Dr. Satoshi Nihonyanagi**, RIKEN, JP
“Structure and dynamics of water at interfaces”

11:15 – 11:30 **Coffee Break**

11:30 – 12:30 **Prof. Dr. Jonathan Nitschke**, University of Cambridge, UK
“Chemical purifications using coordination cages”

12:30 – 14:00 **Lunch Break**

Molecular/Biology Systems under Extreme Conditions, Chair: Abhishek Kalarikkal

14:00 – 15:00 **Prof. Dr. Roland Winter**, TU Dortmund, GER
“Biomolecules under Stress – Life at Extreme Conditions”

15:00 – 16:00 **Prof. Dr. Lorna Dougan**, University of Leeds, UK
“Exploring the structure of water in extreme environments”

16:00 – 16:30 **Coffee Break**

16:30 – 17:30 **Prof. Oscar Millet**, CIC bioGUNE, ES
“On the mechanism of haloadaptation: Proteins with a pinch of salt”

17:30 – 18:30 Award Ceremony *“StudentChallenge”*

18:30 – 22:00 **Get-together at ZEMOS**

Thursday, June 9th

Workshop Part

09:00 – 12:30 **“Stress management”** – How to achieve more tranquility
in parallel **“Team work & leadership in academia”** – Team player-key player-head coach
 “Networking in the academic context” – Building & cultivating contacts by traditional and digital means
 “Stage fright” – Reclaiming sovereignty and confidence
 “Intercultural competence” – Avoiding misunderstandings – making the most of diversity

12:30 – 13:45 Lunch Break

Career Part, Moderator: Sandra Romero Molina

14:00 – 18:00 Invited Professionals from *Angewandte Chemie*, *PROvendis*, *Evonik*, and
Bayer AG

18:00 – 22:00 Get-together BBQ at ZEMOS

Friday, June 10th

RESOLV's participating institutes

[Advanced Laboratory Modules >](#)

*For the current list of Advanced Laboratory Modules, please refer to the [Summer School website >](#).
Remember to register ahead of time, deadline **13. May 2022**, space is limited. [Register now! >](#)*