

Program Summer School Solvation Science 2026

Tuesday, May 26 – @ ZEMOS 0.17/0.19

- 08:30 – 08:55 *Registration at ZEMOS*
- 08:55 – 09:00 *Welcome: Dr. André Eckhardt*
ECR Board, Ruhr University Bochum

Solvation in Sensor Applications

Chair: Benni Bissinger

- 09:00 – 10:00 **Prof. Dr. Philip Tinnefeld**
Ludwig-Maximilians-Universität München - Germany
“Biosensing enhanced by DNA nanotechnology”
- 10:00 – 11:00 **Dr. Gabriela Figueroa Miranda**
Forschungszentrum Jülich - Germany
Institute of Biological Information Processing-Germany
“Biosensor design and optimization a key for a highly sensitive detection”
- 11:00 – 11:30 **Coffee Break**
- 11:30 – 12:30 **Prof. Dr. Steve Presse**
Arizona State University - USA
*“Choices in solvent and environmental model parametrization:
pros and cons of MD versus direct inference from data”*
- 12:30 – 13:30 **Lunch Break**
- 13:30 – 20:00 *Welcome event: Villa Hügel*

Located in Bredene, now part of Essen, Villa Hügel was built in the 1870s by industrialist Alfred Krupp and overlooks the River Ruhr and the Baldeneysee. During the guided tour, you will experience the architecture of the two main buildings of the mansion and learn about the 150-year-long history of the Krupp family and company. After the tour, the participants have the opportunity to explore the park around Villa Hügel. At the end of the event, dinner will be provided for all participants. Traveling via bus from Ruhr University Bochum.

Wednesday, May 27 – @ ZEMOS 0.17/0.19

09:00 – 09:05 **Welcome: Dr. Gregory Gaube**
ECR Board, Ruhr University Bochum

Solvation meets Confinement

Chair: Ceyda Özler

09:05 – 10:05 **Prof. Dr. Alejandro Gutierrez Quintanilla**
Université de Pau et des Pays de l'Adour (UPPA) - France
“Cryogenic matrix isolation: an old but reliable workhorse for exploring reactivity, solvation and photoinduced processes”

10:05 – 11:05 **Dr. Guanqi Qiu**
Max-Planck-Institut für Kohlenforschung - Germany
“What can we learn from kinetic-thermodynamic relationships”

11:05 – 11:30 **Coffee Break**

11:30 – 12:30 **Prof. Dr. Jordi Burés**
Catalan Institution for Research and Advanced Studies (ICREA) - Spain
“Better Understanding for Better Reactions”

12:30 – 14:00 **Lunch Break**

Diversity event

Chair: Ceyda Özler

14:00 – 14:30 **Prof. Dr. Kevin C. Elliott**
Michigan State University - USA
“The Importance of Inclusive Climates and Authorship Practices for Early-Career Researchers”

14:30 – 15:00 **Dr. Rena Alcalay**
Technical University of Munich - Germany
“When Data Sharing Harms: Equity in Open Science Collaborations”

15:00 – 15:30 **Coffee Break**

15:30 – 17:00 **Poster session (international students) at the ZEMOS Foyer**

17:00 – 18:45 **Get-together at the ZEMOS Foyer**

19:00 – 20:00 ***Guided walk through the Botanical Garden of Ruhr University Bochum***

Including the beautifully designed Chinese Garden. The tour introduces a wide variety of plants from different climatic regions and highlights the connection between botany, culture, and landscape design. A visit to the greenhouses completes the experience, offering insights into tropical, subtropical, and arid ecosystems from around the world.

Meeting point in front of the ZEMOS at 18:45.

Thursday, May 28 – @ ZEMOS 0.17/0.19

09:00 – 09:05 ***Welcome: Dr. Guanqi Qiu***

ECR Board, Max-Planck-Institut für Kohlenforschung

Solvation in Photochemistry

Chair: Annemijn van Koten

09:05 – 10:05 **Prof. Dr. Jahan Mansoor Dawlaty**

University of Southern California (USC) - USA

“Measuring and Controlling Solvation and Reactivity at Interfaces using Vibrational Probes”

10:05 – 11:05 **Prof. Dr. Golo Storch**

Johannes Gutenberg University Mainz (JGU) – Germany

“Biomimetic photochemistry with flavin catalysts”

11:05 – 11:30 **Coffee Break**

11:30 – 12:30 **Prof. Dr. Oleg. M. Kalugin**

V. N. Karazin Kharkiv National University - Ukraine

“Anatomy of Solvatochromism: from Molecular Modelling to Photovoltaics”

12:30 – 14:00 **Lunch Break**

Career Part

Moderator: Annemijn van Koten

- 14:00 – 14:05 Welcome
- 14:05 – 14:35 **Dr. Hanna Hinrika Cramer** – ECR Group Leader at RUB/MPI Kofo
- 14:35 – 15:05 **Dr. Melania Prado Merini** – New Technologies Laboratory Manager at Care Solutions, Evonik
- 15:05 – 15:35 **Anna Hülkenberg** – VDI Verein Deutscher Ingenieure e.V., Society for Energy and Environment
- 15:35 – 16:00 **Coffee Break**
- 16:00 – 16:30 **Dr. Stephanie Reisewitz** – Sales Manager DACH at Bruker Optics GmbH
- 16:30 – 18:00 Panel discussion with **all Professionals**

Closing: Magdalena Kuom

ECR Board, Ruhr University Bochum

18:00 – 21:00 **Get-together BBQ at Beckmann's Hof**

Friday, May 29

RESOLV's participating institutes.

[Advanced Laboratory Modules >>](#)