

GRK Students Retreat 2023

Schedule

Monday, July 10th

13:00 **Welcome Reception**

Research Talks – Session I (Meeting Location: Seminar room S-110)

14:15 **Melis Yetkin** – *Evaporation-driven formation of supraparticles composed of spherical and ellipsoidal building blocks*

14:40 **Yashraj Wani** – *Controlling internal structure of colloidal supraparticles: Crystalline to Amorphous*

15:05 **Kritika** – *Modelling Drying-induced assembly of colloidal supraparticles from anisotropic colloids*

15:30 *Coffee Break*

16:00 **Swapnasopan Datta** – *Compartmentalizing a Reaction Network away from Equilibrium*

16:25 **Weixiang Chen** – *Controlled Structure Formation in Phase Separated Compartments*

16:50 *Short break*

17:00 **Janka Bauer** – *Single-chain and condensed-state behavior of intrinsically disordered nuclear proteins in bulk and confinement*

17:25 **Lorena Baranda** – *Engineering transmembrane signaling in artificial cells using DNA*

18:30 **Check-In**

19:00 **Dinner at Robert-Schuman Haus**

Tuesday, July 11th

Research Talks – Session II (Meeting Location: Seminar room S-110)

09:15 **Yuqing Wang** – *Supramolecular Double Network Hydrogels based on Cucurbituril Host-Guest-Interactions*

09:40 **Jude Vishnu** – *Coarse Grained Simulation of Molecular Motor Gels*

10:05 **Torsten Linder** – *Microfluidics and the influence of the crosslinkers*

10:30 *Coffee Break*

11:00 **Rodrique Badr** – *Cloaking Transition and Kinetics of Droplets on Lubricated Substrates*

11:25 **Maximilian Hielscher** – *Automated Electrosynthesis enabled by LABS – A Modular Open Source Python Program for the Control of Automated Electrochemical Synthesis with a Web Interface*

11:50 **Florian Mast** – *Understanding Supporting Electrolytes – Choice and Function*

12:30 Lunch Break

Tutorial: A brief Introduction into Design of Experiments – Factorial and Central Composite Designs by *Maximilian Hielscher* (Meeting Location: Seminar room S-110)

13:45 Begin of Tutorial

15:15 End of Tutorial

15:15 *Coffee Break*

15:45 Meeting Point

16:15 Mosel Boats Tour (~1 hour)

17:30 City Tour and free time

Wednesday, July 12th

Workshop – Scientific Graphic Design by *Johannes Richers*
(Meeting Location: Seminar room S-110)

09:15 **Begin of Workshop**

10:30 Coffee Break

12:30 Lunch Break

15:30 Coffee Break

17:00 **End of Workshop**

18:30 Dinner at the restaurant *Zum Domstein*

Thursday, July 13th

9:00 **Check-Out**

Research Talks – Session III (Meeting Location: Seminar room S-108)

09:15 **Oliver Stach** – *Kinetically Controlled Supramolecular Self-Assembly of Porphyrin Peptide Amphiphiles in Water*

09:40 **Gokul Govind** – *Unraveling the Dance of Supramolecular Polymerization: Probing the Influence of Arm Flexibility in C₄-Symmetric Monomers through Coarse-Grained MD Simulations*

10:05	Leila Saheb Mohamadi – <i>Self-assembled peptides structure information at interfaces</i>
10:30	<i>Coffee Break</i>
11:00	Bhuwan Poudel – <i>Effect of monomer-nanoparticle interaction on structural ordering of nanoparticles in polymer brushes</i>
11:25	Philipp Ritzert – <i>Salt-Induced Aging of Gold Nanoparticle/Polymer Brush Composite Materials</i>
11:50	Atieh Razavi – <i>Droplet impact of PNIPAM at superhydrophobic surface and effect of crosslinker</i>

12:30 Lunch

13:40 **Departure from Robert-Schuman-Haus Trier**

Informations:

- Breakfast time at hotel: 6:30 – 9:00
- Travel from Mainz to Trier on July 10th

09:56 – 11:05 RE3 from Mainz to Idar-Oberstein

11:15 – 12:43 Bus 800 from Bahnhof, Idar-Oberstein to Hauptbahnhof, Trier

12:55 – 13:02 Bus 260 from Hauptbahnhof, Trier to Pallien Bitburger Straße

- Travel from Trier to Mainz on July 13th

13:58 – 14:05 Bus 260 from Pallien Bitburger Straße to Hauptbahnhof, Trier

14:17 – 15:43 Bus 800 from Hauptbahnhof, Trier to Bahnhof, Idar-Oberstein

15:54 – 17:06 RE3 from Idar-Oberstein to Hauptbahnhof, Mainz