



Nachwuchsworkshop Hochschule 2025



der GDCh Fachgruppe Makromolekulare Chemie



in Leverkusen

Programm

6.11.2025

- 13:30 Arrival & Presentation Check / Lunch Snacks
- 14:15 Welcome
- 14:30 Reinventing Phthalonitrile Resins with the Furan Bio-Platform – Boris Bulgakov
- 15:00 Poly(ylides): A new class of overall charge-neutral hydrophilic polymers – Kevin Neumann
- 15:30 Sustainable, Targeted Polymer Materials and Polymerization Processes – Kristina Zentel
- 16:00 Break & Networking
- 16:30 Chirality is Key – Design of Site-specific Polyelectrolytes from Amino Acids – Meike N. Leiske
- 17:00 Synthesis, Rheology and Modeling of Branched Polymers – Valerian Hirschberg
- 17:30 From Light Beams to Material Dreams – Tuning Polymer Function with Photons – Fabian Eisenreich
- 18:00 Quinolinone-Gated Chemistry: A Versatile Platform for Recyclable and Stimuli-Responsive Polymers – Céline Calvino
- 18:30 End of Day 1 & Transfer to Dinner Venue
- 19:00 Dinner (Restaurant zum Löwen)



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- 08:50 Welcome Back
- 09:00 Introduction to Covestro – Thorsten Dreier, CTO
- 09:30 Building Blocks for Next-Generation Polymers: Monomer Design, Catalysis and Polymer Functionalization – Friederike Adams
- 10:00 Sequence Control in Sulfur-Containing Ring-Opening Copolymerisation – Alex J. Plajer
- 10:30 Break & Networking
- 11:00 Covalently Functionalized Polymer-2D Hybrid Nanomaterials as Broad-Spectrum Antiviral Platforms – Ievgen Donskyi
- 11:30 Polymer-Directed Self-Assembly of Nanostructures – Yingying Cai
- 12:00 Beyond Stability: NHCs as Electronic Bridges in Gold-Polymer Core-Shell Nanoparticles – Franziska Lissel
- 12:30 Lunch + Group Photo
- 13:30 Jury Meeting / Innovation Sharing from Covestro / Free Time
- 15:00 Announcement of Prizes + Photos
- 15:30 End of Workshop