

Program - Polydays 2026

Wednesday - 07.10.2026

12:00 – 13:30	Arrival & Lunch	
13:30 – 13:45	Welcome by the Organizers	
13:45 – 15:40	Session 1: Polymerisation and Depolymerisation (Chair: M. Hartlieb)	
13:45 – 14:30	Charlotte Williams (Oxford)	Forward and Back Again: The Science of Polymer Production and Chemical Recycling to Monomer
14:30 – 15:00	Fabian Eisenreich (Eindhoven)	Light-Driven Polymer Recycling
15:00 – 15:20	Friederike Adams (Stuttgart/Munich)	Enhancing Green Metrics in Metal-Catalyzed Ring-Opening Polymerization of Lactones
15:20 – 15:40	Frederik Haase (Halle)	Crystallizing covalent organic frameworks in linear polyimine matrices: towards transparent glass-ceramic-like hybrid films
15:40 – 16:10	<i>Coffee break</i>	
16:10 – 17:20	Session 2: Hydrogels and Biomimetics (Chair: R. Haag)	
16:10 – 16:40	Jens Gaitzsch (Dresden)	Multi-Functional Microfluidic Reaction Chambers Through Responsive Hydrogels and Snail Slime
16:40 – 17:00	Marina Pigaleva (FU Berlin)	Carbonic Acid under High-Pressure CO ₂ as a Green Medium for Design of Biopolymer Based Materials
17:00 – 17:20	Johanna Elter (FU Berlin)	Where Definition Matters: Sequence-Defined Polycations as a Platform for Tailor-Made Antimicrobials
17:30 – 18:20	Poster Pitches P1	
18:20 – 20:15	Poster Session 1 - Snacks & Drinks	

Thursday - 08.10.2026

09:00 – 10:40	Session 3: Circular economy of polymer materials (Chair: A. Böker)	
09:00 – 09:30	Katja Loos (Groningen)	Green Pathways to Functional and Renewable Polymeric Materials
09:30 – 10:00	Katrien Bernaerts (Maastricht)	Bio-Based Non-Isocyanate Polyurethane and Polyurea Coatings: From Waterborne Systems to Recyclable Dynamic Networks
10:00 – 10:20	Axel T. Neffe (Cottbus)	Aliphatic Polyesters and Iron – a Fruitful Combination
10:20 – 10:40	Jonas Debuyck (Ghent)	Benzene-1,3,5-Tricarboxamides as Topology-Directing Motifs for Robust Polyamide Hot-Melt Adhesives
10:40 – 11:00	Coffee break	

Thursday - 08.10.2026 (continued)

11:00 – 12:30	Session 4: Photostructured & -active materials (Chair: J. Gurke)	
11:00 – 11:30	Michael Kathan (Berlin)	Inventing molecular machines to explore new chemical space
11:30 – 11:50	Felix H. Schacher (Jena)	Polyphilic Graft Copolymers: Jack-of-All-Trades as Soft Matter Matrices in Light-Driven Catalysis
11:50 – 12:10	Anzhela Galstyan (Duisburg-Essen)	Designing Photoactivity: Modulating Antimicrobial Photodynamic Effects through Polymer–Photosensitizer Assembly
12:10 – 12:30	Jiayin Yuan (Stockholm)	Upcycling Wood Waste into Solar-Driven Regenerative Sorbent for Direct Air Capture
12:30 – 14:00	Lunch	
14:00 – 15:10	Session 5: Photonics (Chair: S. Santer)	
14:00 – 14:30	Silvia Vignolini (Potsdam)	Bio-inspired self-assembled chiral architecture for optics and plasmonics
14:30 – 14:50	Marek Bekir (Potsdam)	Unlocking High-Performance Surface-Sensitive Separations through Polymer Substrate Engineering
14:50 – 15:10	Magdalena Zdanowicz (Szczecin)	Eutectic mixtures as functional additives for bio-based polymers
15:10 – 16:00	Poster Pitches P2	
16:00 – 18:00	Poster Session 2	
19:00 – 21:30	<i>Conference Dinner</i>	

Friday - 09.10.2026

09:00 – 10:25	Session 6: Electroactive polymer materials (Chair: D. Neher)	
09:00 – 09:45	Magnus Berggren (Linköping)	tba
09:45 – 10:15	David Mecerreyes (San Sebastián)	Design of mixed conducting Eutectogels for Bioelectronics
10:15 – 10:35	Rachel Yerushalmi -Rozen (Be'er Scheva)	Negatively charged polysaccharide (Gum Arabic) self-assembly of negatively charged gold nanoparticles
10:35 – 10:55	Coffee break	
10:55 – 11:40	Session 6: Sustainable Biomaterials (Chair: tba)	
10:55 – 11:20	Sebastian Seiffert (Mainz)	Clean Water Overnight: Seawater Desalination by Thermo-Active Microgels
11:20 – 11:40	Daniel Klinger (Berlin)	Sulfonium-Based Antimicrobial Polymers: Influence of Structure and Composition on Biological Activity and Antibiotic Synergy
11:40 – 13:00	Session 7: Awards Session	
11:40 – 11:50	Poster Prizes	
11:50 – 12:10	BVP-Award	tba
12:10 – 12:45	Georg Manecke Award Lecture – Meike Leiske (Bayreuth)	tba
12:45 – 13:00	Closing remarks by the Organizers	
13:00 – 14:00	Lunch (to go) and departure	



Venue

UP Science Campus – Golm

Karl-Liebknecht-Str. 24-25

14476 Potsdam (Golm)

Lectures in **House 27**

Poster Sessions in **House 26**

