

Sunday, September 6th, 2026

From 5:00 p.m.	Arrival on site: Institute of Physics, Herrmann-Herder-Str. 3, 79104 Freiburg Registration
5:50 p.m.	Welcome (Sebastian Hartweg, Lukas Bruder, Frank Stienkemeier) Chair: Lukas Bruder
6:00 p.m.	Toshinori Suzuki EUV Time-Resolved Photoelectron Spectroscopy of Liquids: From Interfacial Dynamics to Nucleic Acid Photodamage
7:00 p.m.	Welcome Evening

Monday, September 7th, 2026

	Chair: Gereon Niedner-Schatteburg
9:00 a.m.	Takamasa Momose Asymmetric Photolysis of Amino Acids and Its Relation to the Origin of Homochirality
10:00 a.m.	Jennifer Noble Physics and chemistry of ices in star forming regions: interpreting JWST observations of the Chamaeleon I molecular cloud via laboratory astrophysics
10:30 a.m.	Coffee Break
11:00 a.m.	Evan Bieske Carbon Clusters: Infrared and Electronic Spectra of Chains, Rings and Fullerenes
11:30 a.m.	Jascha Lau Towards State- and Time-Resolved Fluorescence Spectroscopy of Astrochemically Relevant Ions
11:50 a.m.	Anthony Meijer Formation of Uracil and Thymine in the ISM
12:10 p.m.	Amit Debnath The Infrared Fingerprints of Cosmic Carbon Chains
12:30 p.m.	Lunch Break
	Chair: Jennifer Noble
2:00 p.m.	Mischa Bonn Confined and Interfacial Water: Insights from Surface Vibrational Spectroscopy
2:30 p.m.	David Nesbitt Chemical Physics at the Gas-Liquid Interface: From Liquid Microjets to Molten Metals
3:00 p.m.	Wutharath Chin High-resolution 2D-IR Spectroscopy in Low Temperature Solids: Symmetry-Breaking and Anharmonic Coupling Maps
3:20 p.m.	Leeyeong Kim Exploring Photochemistry for Quantum Optics with Large Organic Molecules
3:40 p.m.	Coffee Break
4:10 p.m.	Kirsten Schnorr Using Soft X-rays to Unravel Light-Induced Dynamics in Gas-Phase Systems
4:40 p.m.	Daniela Rupp Imaging nano-samples in free flight with intense X-ray pulses: probing highly excited matter with extreme precision

5:10 p.m.	David Picconi Simulating the ultrafast dynamics of multi-mode multi-state molecular systems coupled to a dissipative environment
5:30 p.m.	Lok Yiu Wu Observation of thermal non-equilibrium in uniform supersonic flows
5:50 p.m.	Laura Pille UV to Far-UV Photodissociation Reveals the Role of Sulfur–Aromatic Interactions in Peptides

Tuesday, September 8th, 2026

	Chair: <i>Bas van der Meerakker</i>
9:00 a.m.	Henrik Stapelfeldt Real-time observation of the diffusion-limited formation of an ion-molecule complex
10:00 a.m.	Stefanie Gräfe Strong-field many-body dynamics in confined systems
10:30 a.m.	Coffee Break
11:00 a.m.	Andrew Orr-Ewing Photochemical Dynamics in Aerosol Microdroplets
11:30 a.m.	Steen Brøndsted Nielsen Gas-Phase FRET at Cryogenic Temperatures: Talking to Specific Conformers
11:50 a.m.	Brendan Wouterlood Local and Non-Local Double Ionisation of Micro-Solvated Nucleobases
12:10 p.m.	Sebastian Trippel Unraveling the early-stage dynamics of ionized water dimer in energy and time
12:30 p.m.	Lunch Break
	Chair: <i>Daniel Neumark</i>
2:00 p.m.	Bas van de Meerakker Cold and Controlled Collisions using Tamed Molecular Beams
2:30 p.m.	Xingang Wang State-to-State Reaction Dynamics Using Velocity Map Ion Imaging
3:00 p.m.	Andrea Orban Quantum study of ultracold atom-ion excitation exchange
3:20 p.m.	Nanditha Sunil Kumar Cold chemistry of single trapped H ₂ O ⁺ ions with neutral HD molecules in a cryogenic ion trap
3:40 p.m.	Coffee Break
4:10 p.m.	Marcel Mudrich Penning ionization electron spectroscopy of atoms and molecules in or on helium nanodroplets
4:40 p.m.	Elisabeth Gruber Exploring Molecular Ions and Cryogenic Chemistry in Charged Helium Nanodroplets
5:10 p.m.	Poster session 1 Entrance Hall KG I

Wednesday, September 9th, 2026

	Chair: <i>Francesca Calegari</i>
9:00 a.m.	Daniel Neumark Spectroscopy and Scattering Experiments on Flat Liquid Jets
10:00 a.m.	Thomas Allison Imaging Exciton and Charge-Transfer Dynamics at Surfaces with Time-resolved Momentum Microscopy
10:30 a.m.	Coffee Break

11:00 a.m.	Rebecca Ingle Chemical Insights from Resonant Auger Spectroscopy
11:30 a.m.	Jemma Gibbard Visible Light Photochemistry of IO ₂ –
11:50 a.m.	Mathew Costen Near-Surface Velocity-Map Imaging of Rotationally Inelastic Gas Surface Scattering
12:10 p.m.	Wim van der Zande The Advanced Research Center for NanoLithography: an example of a public-private partnership in the MOLEC field
12:30 p.m.	Lunch Break
1:30 p.m.	Excursions - Black Forest Hike - Wine Tasting
5:10 p.m.	Lab visits

Thursday, September 10th, 2026

9:00 a.m.	Chair: Rebecca Ingle Francesca Calegari Tracking electron charge migration in molecules using attosecond FEL pulses
10:00 a.m.	Giuseppe Sansone Three-path attosecond interferometry
10:30 a.m.	Coffee Break
11:00 a.m.	Alicia Palacios Attosecond non-linear dynamics in molecules: correlation, coherences and entanglement
11:30 a.m.	Hugo Marroux Attosecond spectroscopy of electronic decoherence in liquid water
11:50 a.m.	Maria Richter High-order harmonic generation in an organic molecular crystal
12:10 p.m.	Karin Sarah Thalmann Quantum dynamics of singlet fission, charge transfer, and triplet-triplet annihilation
12:30 p.m.	Lunch Break
2:00 p.m.	Chair: Toshinori Suzuki Daniel Rolles Imaging Ultrafast Dynamics in Gas-Phase Molecules with Coulomb Explosion Imaging
2:30 p.m.	Daniel Strasser Ionization / neutralization induced Dynamics
3:00 p.m.	Lorenzo Iori Tracking Ultrafast Electron Dynamics in Acetylacetone with 3-fs-resolved UV/XUV Photoelectron Spectroscopy
3:20 p.m.	Arnab Sen Probing ultrafast molecular dynamics with few-fs VUV pulses
3:40 p.m.	Coffee Break
4:10 p.m.	MOLEC Prize session
5:10 p.m.	Postersession 2 Entrance Hall KG I
7:00 p.m.	Conference Dinner at Dattlers Schlossberg Restaurant

Friday, September 11th, 2026

09:00 a.m.	Chair: Alicia Palacios Christiane Koch Quantum effects in cold and controlled molecular dynamics
10:00 a.m.	Andrés Ordóñez Theory of multi-photon excitation of chiral molecules with tailored light
10:30 a.m.	Coffee Break
11:00 a.m.	Iain Wilkinson High-Throughput Electron-Momentum Imaging from Liquids
11:30 a.m.	Letizia Fede Controlling Chiral Light-Matter Interactions with Tailored Multi-Color Laser Fields
11:50 a.m.	Andrea Annunziata High-order Harmonic Spectroscopy in Chiral Liquid Crystals
12:10 p.m.	Nicolas Ladda Real-Time Observation of a Controlled Femtosecond Enantiomeric Conversion
12:30 p.m.	Concluding remarks
12:40 p.m.	Lunch, Departure