25th European Conference on the Dynamics of Molecular Systems
September 6th to 11th, 2026
University of Freiburg

universität freiburg

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 OrganicMolecules
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: ***Bas van der Meerakker***
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: ***Daniel Neumark***
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 H2O+ 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: ***Francesca Calegari***
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 IO2–
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

	Chair: ***Rebecca Ingle***
9:00 a.m.	**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** To be announced
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
	Chair: ***Marcel Mudrich***
2:00 p.m.	**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

	Chair: ***Alicia Palacios***
09:00 a.m.	**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