

3rd CRC 1349 Summer School and Conference

6.-9. October 2025

Summer School

Freie Universität Berlin, Arnimallee 22, 14195 Berlin, **Lecture Hall B.004**

	Monday (06.10.2025)	Tuesday (07.10.2025)
09:30 – 10:30		Martin Kaupp <i>Theoretical Description of Fluorinated Compounds</i>
10:30 – 11:30		Jason Dutton <i>Featuring Fluorine in the Main Group</i>
11:30 – 12:30	Registration	Lunch
12:30 – 13:00	Sebastian Riedel <i>Working with HF and F₂</i>	Moritz Malischewski <i>Fluorinated Brønsted, Lewis and Superacids</i>
13:00 – 14:00		
14:00 – 15:00	Karin von Jeinsen <i>Appropriate First Aid and further Medical Treatment in Cases of Intoxication and Injuries Caused by Fluorine and its Reactive Inorganic Compounds</i>	John Molloy <i>Modern Radical Reactions with Fluorine at the Helm</i>
15:00 – 15:45	Coffee Break	Coffee Break
15:45 – 16:45	Visit to the Riedel-Fluorine Lab	William C. K. Pomerantz <i>Organofluorine Compounds: Applications at the Chemistry Biology Interface</i>
16:45 – 17:45		Bernd Riedl <i>The Special Role of Fluorine in Medicinal Chemistry</i>
18:00		

Conference

Freie Universität Berlin, Arnimallee 22, 14195 Berlin, **Lecture Hall B.006**

	Wednesday (08.10.2025)	Thursday (09.10.2025)
09:00 – 09:45	Rainer Haag <i>Tunning Fluorospecific Interactions between PFAS and Polymers</i>	Sebastian Riedel <i>Novel Fluorinated Molecules with Interesting Properties</i>
09:45 – 10:30	Thierry Billard <i>Fluorinated Groups and Heteroatoms: An Interesting Association</i>	Jason Dutton <i>Orthocarborane as a Scaffold for the Most Oxidizing I(III) Reagents</i>
10:30 – 11:00	Coffee Break	Coffee Break
11:00 – 11:45	Josep Cornella <i>Advancing Bismuth Redox Catalysis</i>	William C.K. Pomerantz <i>The Promise and Peril of a Maverick Element, Fluorine: Impact on Human Health and the Environment</i>
11:45 – 12:30	Christian Limberg <i>Utilizing Fluorinated Substituents for the Design of Lewis-Acidic Bismuthane-Acceptor Moieties as Part of Cooperating Lewis-Pairs</i>	Jörg Rademann <i>Pentafluoro-Phosphates and Trifluoro-Borates: New Amphiphilic Chemical Entities with Remarkable Biochemical and Biophysical Properties</i>
12:30 – 14:00	Lunch	Lunch
14:00 – 14:30	Thomas Braun <i>Metal-Mediated Fluorination and Defluorination Processes to Access Fluorinated Alkene Derivates</i>	John Molloy <i>A General Platform for the Light-driven Generation of α-Fluoro Radicals</i>
14:30 – 14:45	Gavin Chit Tsui <i>Accessing Novel Fluorinated Motifs via Transition Metal-Catalyzed Defluorinative Functionalization Strategy</i>	Franz-Lucas Haut <i>Expanding Synthetic Space through Photoinduced Trifluoromethoxylations</i>
14:45 – 15:00		Charlotte Teschers <i>Leveraging Fluorinated Carbohydrates - From Stereocontrol to Binding Studies</i>
15:00 – 15:30		
15:30 – 16:00	Coffee Break	Alberto Pérez-Bitrián <i>New Avenues in Organoxenon Chemistry</i>
16:00 – 16:15		Viacheslav Petrov <i>Unsolved Step-Change Challenges in Industrial Fluorine Chemistry</i>
16:15 – 16:30		Poster Session
16:30 – 17:00	Alastair Lennox <i>nHF.Base Reagents and their Influence on Hypervalent Iodine Mediated Fluorination Reactions</i>	
17:00 – 17:45	Moritz Malischewski <i>When Organometallic and Fluorine Chemistry Meet</i>	
18:30		