

Draft Agenda for the Satellite Workshop: Lighting up Mass Spectrometry – Structural investigations of biological systems @UM 2022

TUESDAY 25 JANUARY 2022 FROM 09:30 – 17:30 CET

Location: virtual, *link will be provided*

09:30-09:35	Welcome	Kristina Lorenzen (European XFEL)	Chair: Kristina Lorenzen
09:35-10:20	Keynote: Single Particle Flash X-ray Imaging - past, present and future	Filipe Maja (Uppsala University)	
10:20-10:35	Overview MS SPIDOC	Charlotte Uetrecht (University of Siegen/CSSB)	
10:35-11:05	MS SPIDOC setup	Alan Kádek (BIOCEV, Czech Academy of Sciences)	
11:05-11:30	Industrial MS SPIDOC partner	Jan Commandeur (MS VISION)	
11:30-11:50	<i>Coffee break</i>		
11:50-12:15	COMOTION	Jochen Küpper / Amit Samanta (CFEL)	Chair: Charlotte Uetrecht
12:15-12:40	Soft X-ray absorption spectroscopy of biomolecules	Sadia Bari (DESY)	
12:40-13:05	Exploring the Ultra-Fast Relaxation and Fragmentation of Polycyclic Aromatic Hydrocarbons using ultrafast pump-probe spectroscopy at FLASH	Melanie Schnell (DESY)	
13:05-14:15	<i>Lunch break</i>		
14:15-14:40	Understanding, probing and controlling neurodegeneration: novel advances in hyphenated Mass Spectrometry	Anouk Rijs (VU Amsterdam)	
14:40-15:05	Sugars in the Gas Phase – Novel Techniques to Unravel the Glycocode	Kevin Pagel (FU Berlin)	Chair: Alan Kádek
15:05-15:30	Rehydrating gas-phase protein structures – can we recover solution structures?	Maxim Brodmerkel (Uppsala University)	
15:30-15:55	Irradiation of isolated DNA strands	Min Liu (Jean Christophe Pouilly lab), Université Caen Normandie	
15:55-16:25	<i>Coffee break</i>		
16:25-16:50	Characterizing Structures of Multimeric Protein Complexes Using Collision-induced Unfolding and Ultraviolet Photodissociation Mass Spectrometry	Jennifer S. Brodbelt (University of Texas at Austin)	
16:50-17:15	SPI efforts at LCLS and the TXI instrument	Andy Aquila (Stanford University)	Chair: Thomas Kierspel
17:15-17:30	Discussion/Closure	Kristina Lorenzen (European XFEL)	