





FIRST VIENNA SUMMIT ON MICROPLASTICS AND HEALTH 2022

 Wed, 28th September 2022  Hotel Regina - Ferstelsaal
9:00 am - 5:00 pm **Vienna, Austria**

TIME	TITLE	PRESENTER
09:00-09:10	WELCOME ADRESSES (10') – chairs: Lukas Kenner & Wolfgang Wadsak	Markus Müller (MUW; AT), Robert Lobnig (CBmed; AT)
SESSION I – Microplastics & Health (chair: Lukas Kenner)		
09:10-09:15	Setting the scene: microONE	Lukas Kenner (AT)
09:15-10:00	Microplastics and human health research in the Netherlands - initial results and introducing MOMENTUM	Dick Vethaak (NL)
10:00-10:35	Particles, chemicals and inflammation, what are the carcinogenic mechanisms that unite them?	Suzanne Turner (UK)
10:35-11:00	COFFEE BREAK (25')	
SESSION II – Detection of Microplastics (chair: Thomas Meisel)		
11:00-11:25	Micro- and Nanoplastics in complex matrices – a multi-modal, scale bridging approach towards comprehensive analytics	Silke Christiansen (DE)
11:25-11:50	New Frontiers in disease prediction and stratification	Melissa Mather (UK)
11:50-12:10	New analytical approaches in micro- and nanoplastic measurements – examples related to the microONE project	Thomas Meisel (AT)
12:10-13:30	LUNCH BREAK (80')	
SESSION III – Microplastics and the Microbiome (chair: Angela Horvath)		
13:30-13:55	Environmental and human-associated archaea	Christa Schleper (AT)
13:55-14:20	Enzymes in plastic degradation	Georg Gübitz (AT)
14:20-14:45	The microbiome and its interactions with microplastics	Ece Kartal (DE)
14:45-15:15	COFFEE BREAK (30')	
SESSION IV – Microplastics Miscellaneous (chair: Wolfgang Wadsak)		
15:15-15:35	Microplastics in the Dialogue between Natural Science and Humanities	Sibylle Trawöger (DE)
15:35-15:55	MNPs as hubs shaping planktonic bacterial viability under antibiotic and oxidative stress	Ulrike Resch (AT)
15:55-16:15	Principles and Applications of X-ray Fluorescence Imaging (XFI)	Theresa Stauer (DE)
16:15-16:35	tba	William Tse (US)
35-16:45	WRAP UP & FAREWELL (15')	Wolfgang Wadsak (AT), Lukas Kenner (AT)

