

M I C R O
O N E
FOR HUMAN
HEALTH

2nd Vienna Summit on Microplastics & Health

microONE CONSORTIUM MEETING

1st December 2023
Ferstel-Saal, Hotel Regina, Vienna, Austria

In cooperation with bündnis mikroplastikfrei





Programme & Speakers

8:00-8:45	Registration
8:45-9:00	Welcome speech and introductions Lukas Kenner & Wolfgang Wadsak (CBmed)*
9:00-10:30	Session 1 - Challenges in the Analysis of MNP Dr. Markus Brandstetter (RECENDT & CBmed, Austria)* "Non-destructive, contact-less and label-free identification of micro- and nanoplastics in complex matrices" Dr. Anja Ramsperger (University Bayreuth, Germany) "Analysis of micro- and nanoplastic particles in complex sample matrices" Prof. Silke Christiansen (Fraunhofer Institute IKTS & INAM, Germany)* "Micro- and Nanoplastics in tissue - preparative and multi-modal analytics workflows"
10:30-11:00	Coffee Break
11:00-12:30	Session 2 - Potential Health Effects of MNP Prof. Ivana Vinković Vrček (Institute for Medical Research and Occupational Health, Croatia) "Endocrine disrupting activity of complex mixtures: case study of pharmaceuticals and nanoplastics" Dr. Verena Kopatz (Medical University of Vienna & CBmed, Austria)* "Health and CRC-associated effects of polystyrene micro-/nanoplastic particles - in vivo mouse studies" Prof. Juliette Legler (Utrecht University & MOMENTUM consortium, The Netherlands) "Microplastics and Health - the MOMENTUM perspective"
12:30-13:30	Lunch Break
13:30-14:30	Session 3 - Potential Health Effects of MNP II Dr. Stefania Federici (University Brescia, Italy)* "Preparation and characterization of true-to-life microplastic particles" Dr. Gabriele Eder (OFI/Austrian Research Institute for Chemistry and Technology, Austria) "Analytical tools for determining the potential occurrence of microplastics in food"
14:30-15:00	Guided Posterwalk including updates on the microONE project*
15:00-15:30	Coffee Break
15:30-17:00	Session 4 - Computational Approaches Prof. Johann Lohninger (TU Wien, Austria) "Using machine learning to identify microplastics in hyperspectral images" Prof. Oldamur Hollóczki (University Debrecen, Hungary)* "Nanoplastics in and through biological membranes"
17:00-17:30	Wrap-Up and Farewell Lukas Kenner & Wolfgang Wadsak (CBmed)*

**microONE Project Consortium Board Member*



CBmed - microONE CONSORTIUM PARTNERS



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