

TREFFEN LEIPZIG „POLYMER CLUB“
Mon., 9 Dec 2019, 9:00-12:30,
Chemie-Neubau (Johannisallee 29), Raum 126 („Glaskasten“)

<i>Time</i>	<i>Name</i>	<i>Topic</i>
09:00-09:15	Welcome & Introduction of participants	
<i>Ecology: Human-made polymers in the environment</i>		
09:15-09:30	Wolfgang Zimmermann, UL, Analyt. Chem.	<i>"Biological degradation of plastics"</i>
09:30-09:45	Christian Schmidt, UFZ, Hydrogeology	<i>"Sources and transport of plastic particles in rivers"</i>
09:45-10:00	Katrin Wendt-Potthoff, UFZ, Lake research	<i>"Microplastic in freshwater reservoirs and dams"</i>
10:00-10:15	Annika Jahnke, UFZ, Cell Toxicology	<i>"Weathering impacts on the fate of plastic debris in the marine environment"</i>
10:15-10:30	Mechthild Schmitt-Jansen, UFZ, Bioanalyt. Ökotoxikol.	<i>"The role of biofilms in fate and effects of microplastics in the environment"</i>
<i>Natural polymers</i>		
10:30-10:45	Severin Sasso, UL, Plant physiology	<i>"Durable algal biopolymers"</i>
10:45-11:00	Christian Sonnendecker, UL, Analyt. Chem.	<i>"Cyclodextrins as natural polymers"</i>
<i>Analytical & diagnostic techniques</i>		
11:00-11:15	Stephan Wagner, UFZ, Analytics	<i>"Mass spectrometry and spectroscopy for analytics of microplastics"</i>
11:15-11:30	Dana Kühnel, UFZ, Bioanalyt. Ökotoxikol.	<i>"Do different size fractions of microplastic affect Daphnia differently?"</i>
11:30-11:45	Chen Song, UL, Analyt. Chem.	<i>"NMR studies on chain flexibility of PET and on enzymatic activity"</i>
11:45-12:00	Alia Matysik, UL, Med. Biophys.	<i>"High resolution magnetic resonance methods to explore the mechanism of toxicity of Perfluorinated compounds and nanoplastics in zebrafish"</i>
12:00-12:15	Claudia Birkemeyer, UL, Analyt. Chem.	<i>"Challenges in analysis of polymers bei ESI or MALDI mass spectrometry"</i>
12:15-12:30	Short discussion round	
afterwards	Lunch (Mensa am Medizincampus, Liebigstr. 23/25)	