

BioSC Workshop

„Closing Cycles in the Plastics Bioeconomy”



February 10th, 2020 | NGP² | RWTH Aachen | Forckenbeckstraße 51, 52074 Aachen

09:45	Welcome	
I. Concepts and process for plastic conversion		
10:00	- Keynote - P4SB - From Plastic waste to Plastic value using <i>Pseudomonas putida</i> Synthetic Biology	Lars Blank <i>Institute of Applied Microbiology, RWTH Aachen University / BioSC</i>
	Sustainable production of plastic monomers	Nick Wierckx <i>Department Microbial Catalysis Forschungszentrum Jülich / BioSC</i>
	Tailor made separation processes for depolymerized plastics	Benedikt Weber <i>AVT – Fluid process engineering, RWTH Aachen University / BioSC</i>
11:45	Lunch Break	
II. Chemical conversion		
12:45	- Keynote - Plastics2chemicals: Towards a demo plant for the chemical recycling of plastic waste	Tim Devlamynck <i>Indaver</i>
	Overtaking SnOct2: new sustainable avenues in ring- opening polymerization of lactones	Sonja Herres-Pawlis <i>Bioanorganic Chemistry, RWTH Aachen University / BioSC</i>
	Catalytic Plastic Recycling with Integration of Renewable Resources	Jürgen Klankermayer <i>Technical Chemistry (ITMC), RWTH Aachen University</i>
14:30	Coffee Break	
III. Biological depolymerization		
15:00	Protein Engineering for (Micro-)Plastic Degradation and Analytics	Ulrich Schwaneberg <i>Chair for Biotechnology, RWTH Aachen University / BioSC</i>
	Plastic-degrading enzymes from marine resources	Karl-Erich Jaeger <i>Institute of Molecular Enzyme Technology, Heinrich Heine University Düsseldorf / BioSC</i>
16:00	Closing remarks	
16:05	Get-together with bier and pretzels	