

## 7<sup>th</sup> BioSC Spotlight

# „Modular biotransformations in a circular bioeconomy“

February 5<sup>th</sup>, 2020 | NGP<sup>2</sup> | RWTH Aachen | Forckenbeckstraße 51, 52074 Aachen

<b>10:30</b>	<b>Welcome and Introduction</b>	<b>Wolfgang Wiechert</b> <i>Forschungszentrum Jülich/ BioSC</i>
<b>I.</b>	<b>From Carbon Streams to Precursors</b> <i>Session chair: Stephan Noack, Forschungszentrum Jülich / BioSC</i>	
	From lignin to central metabolites – key questions and some insight from a five year project	<b>Gunnar Lidén</b> <i>Lund University</i>
<b>10:45</b>	Bio-upcycling of PET into value-added chemicals	<b>Maïke Otto</b> <i>Forschungszentrum Jülich/ BioSC</i>
	Extending the menu of a pampered industrial bug to create new value chains	<b>Niklas Tenhaef</b> <i>Forschungszentrum Jülich/ BioS</i>
<b>12:15</b>	<b>Lunch Break</b>	
<b>II.</b>	<b>Microbial Production of Bulk Chemicals</b> <i>Session chair: Nina Ihling, RWTH Aachen University / BioSC</i>	
	Microbial production of mannosylerythritol- and cellobioselipids	<b>Susanne Zibek</b> <i>Fraunhofer IGB, Stuttgart</i>
<b>13:15</b>	Efficient downstream processes for recovery and purification of bio-based bulk chemicals from fermentation supernatant	<b>Andreas Biselli</b> <i>RWTH Aachen University/ BioSC</i> <b>Christian Kocks</b> <i>RWTH Aachen University/ BioSC</i>
	Construction of bacterial cell factories for heterologous rhamnolipid production	<b>Isabel Bator</b> <i>RWTH Aachen University/ BioSC</i> <b>Sonja Kubicki</b> <i>HHU Düsseldorf / BioSC</i>
<b>14:45</b>	<b>Coffee Break</b>	
<b>III.</b>	<b>SynBio-Based Production of Fine Chemicals</b> <i>Session chair: Anita Loeschcke, HHU Düsseldorf / BioSC</i>	
	Microbial synthesis of terpenoids – transport issues and structure space expansion strategies	<b>Markus Buchhaupt</b> <i>DECHEMA-Forschungsinstitut, Frankfurt am Main</i>
<b>15:15</b>	Engineering cyanobacteria towards balanced triterpene biosynthesis	<b>Ilka Maria Axmann</b> <i>HHU Düsseldorf/BioSC</i>
	<i>Pseudomonas putida</i> -based production of diverse fine chemicals	<b>Anita Loeschcke</b> <i>HHU Düsseldorf/BioSC</i> <b>Hannah Braß</b> <i>HHU Düsseldorf/BioSC</i>
<b>16:45</b>	<b>Closing remarks</b>	<b>Wolfgang Wiechert</b> <i>Forschungszentrum Jülich/ BioSC</i>
	<b>Get-together</b> <b>Guided tours through the NGP<sup>2</sup> biorefinery</b>	