

3rd *Pseudomonas* Grassroots Meeting

Munich, 9-10 November 2023

Thursday, 9 November 2023

12:15 Registration & welcome drinks Gallery MW2452

13:15 Opening Room MW2452

Session 1: Chair Michael Kohlstedt, Saarland University, Germany Room MW2452

13:30 Probing gene essentiality in *Pseudomonas putida* using SynBio tools

Pablo Ivan Nikel, Technical University of Denmark, Denmark

14:10 Unraveling the finetuned transcriptional regulation of specialized metabolite production of specialized metabolite production in *Pseudomonas* using ONT-cappable-seq

Jorien Poppeliers, KU Leuven, Belgium

14:30 Coffee break Room MW2452

15:00 Round-table discussion

Genome editing

Room MW2101

SynBio (Bioparts)

IGSSE Foyer

Metabolic/Enzyme engineering

Room MW2451

Cultivation, Fermentation, and ALE

Room MW2452

Session 2: Chair Hanne Hendrix, KU Leuven, Belgium Room MW2452

16:30 *Pseudomonas taiwanensis* VLB 120: a versatile biofilm workhorse in biotechnology

Katja Bühler, Helmholtz Centre for Environmental Research, Germany

17:10 Engineering of *Pseudomonas taiwanensis* for de novo production of aromatics

Benedikt Wynands, Forschungszentrum Jülich, Germany

19:00 Conference Dinner at Hofbräuhaus Munich

Friday, 10 November 2023

08:15 Poster Mounting and Coffee/Tea Room MW2101

Session 3: Chair Maarten Boon, KU Leuven, Belgium Room MW2452

09:00 Application of *Pseudomonas putida* in Biotechnology – Strain and process engineering for rhamnolipid production

Till Tiso, RWTH Aachen University, Germany

09:40 Lord of the Aromatic Rings: Harnessing Native Metabolism in *Pseudomonas umsongensis* GO16 for the Production of Plastic Alternatives

Rhys Orimaco, University College Dublin, Ireland

10:00 Engineered *Pseudomonas putida* strains enable combined chemo- and biocatalytic conversion of technical lignin into muconic acid

Fredrik Lund, Lund University, Sweden

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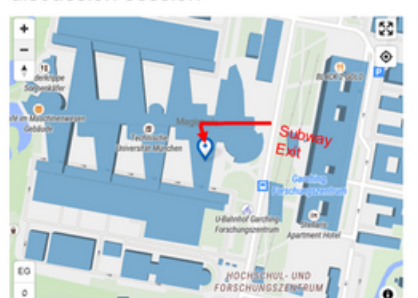
10:30	Traditional Bavarian breakfast	Campus Cneipe
11:45	Poster Session & Coffee/Tea	Room MW2101
Session 4: Chair Sonja Kubicki, Heinrich Heine University Düsseldorf, Germany		Room MW2452
13:45	Modelling approaches in systems biology & From sunlight to bioplastics: the fairy tale of <i>Synechococcus elongatus</i> and <i>Pseudomonas putida</i> Andreas Kremling & Katharina Pflüger-Grau, Technical University of Munich, Germany	
14:30	Construction of a synthetic mixotrophic <i>Pseudomonas putida</i> strain via a Calvin-Benson-Bassham shunt Filippo Federici, Technical University of Denmark, Denmark	
14:50	CRISPR-base editing unravels the role of <i>P. putida</i> porins in carbohydrate metabolism Barbora Popelářová, Masaryk University, Czechia	
15:10	Closing	
15:30	Drinks at Campus Cneipe	

Directions

Main lecture room (MW2452, 2nd floor) and registration desk



Poster room (MW2102, 2nd floor) and discussion session



Discussion session (IGSSE Foyer)



Sponsors

