



# Towards a Sustainable Bioeconomy – Resources, Utilization, Engineering and AgroEcosystems - Fall meeting Topic 7

## Wednesday 30 October 2024

### PhD presentations - Lecture hall CL (Building 04.07, Room 201) (08:45 - 10:15)

-Conveners: Ulrich Schurr

time	[id] title	presenter
08:45	[53] Bio-upcycling of polyesters with engineered <i>Pseudomonas taiwanensis</i>	OP DE HIPT, Leonie
09:00	[76] Deep Learning based SIF retrieval from hyperspectral imagery	BUFFAT, Jim
09:15	[77] In Silico Analysis of Plant- and Soil Microbes-Mediated Carbon Stabilization For Different Weather Scenarios	GIRAUD, Mona
09:30	[78] Spatial Transcriptomics and Single-Cell RNA Sequencing Analysis of Barley Meristem to Elucidate Mechanisms of Crop Development	DOERPHOLZ, Hannah
09:45	[79] Utilization of a regulatory protein to redirect electron flux into hydrogen in cyanobacteria	ITZENHÄUSER, Marvin-Amadeus
10:00	[80] Design and validation of reactive urban percolation systems for efficient pollutant biotransformation	Jl, Xiangyu

### PhD presentations - Lecture hall CL (Building 04.07, Room 201) (10:45 - 11:30)

-Conveners: Harry Vereecken

time	[id] title	presenter
10:45	[62] Climate change impacts on metal accumulation in crops	PIENKOWSKA, Aleksandra
11:00	[84] Sustainable diets for shrimp aquaculture utilizing local by-products	FRICKE, Enno
11:15	[86] "Basses Richesses" Disease Induces Heterogenic Allocation of Carbon in Growing Sugar Beet	AGYEI, Kwabena