

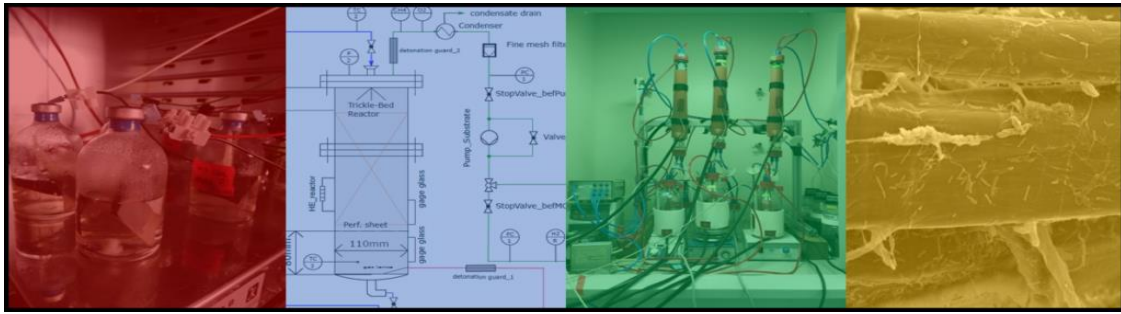
Webinar series on biological carbon capture and utilization (BCCU)

Program of Topic 1: Enzymatic carbon capture

20.04.2021, 13:00-16:00 CET

SPEAKER	TITLE OF PRESENTATION
Günther Bochmann	Keynote
Doris Ribitsch	
Franziska Steger	Characterization of three different carbonic anhydrases for CO ₂ sequestration applications
Fabian M. Schwarz	Capture and storage of hydrogen and carbon dioxide by enzymatic hydrogenation of CO ₂ to formic acid
Maria Elena Russo	Immobilization of carbonic anhydrase for CO ₂ capture and utilization

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Webinar series on biological carbon capture and utilization (BCCU)
 Program of Topic 2: Microbial acetate production from CO₂

27.04.2021, 13:00-16:00 CET

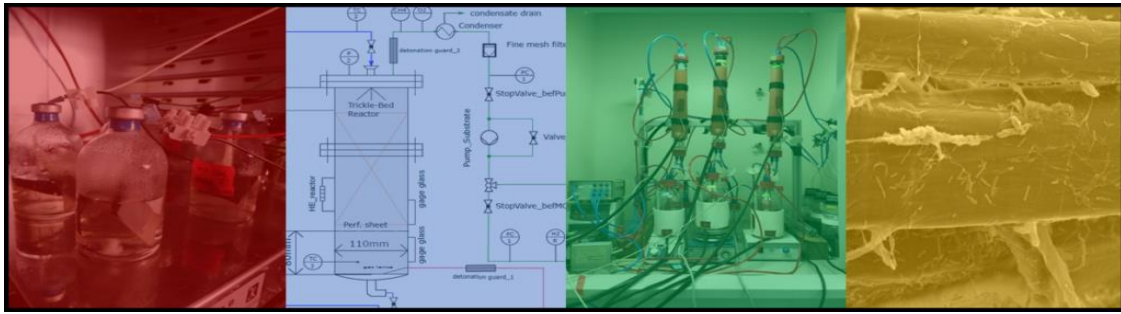
SPEAKER	TITLE OF PRESENTATION
Volker Müller	Keynote
Lorenzo Cristiani	CO ₂ reduction into acetate under hydrogenophilic and bioelectrochemical conditions
Stefan Pflügl	Blending industrial blast furnace gas with H ₂ enables <i>Acetobacterium woodii</i> to efficiently co-utilize CO, CO ₂ and H ₂
Laura Rovira Alsina/ Meritxell Romans-Casas	Chain elongation lifespan: linking thermodynamics with fermentative CO ₂ reduction pathways under different operating conditions
Alexander Mook	Autotrophic lactate production using engineered <i>A. woodii</i> strains and quantification via fluorescence-based methods

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Webinar series on biological carbon capture and utilization (BCCU)
 Program of Topic 3: Microbial electrosynthesis and solvent
 production from CO₂

04.05.2021, 13:00-16:00 CET

SPEAKER	TITLE OF PRESENTATION
Sebastià Puig	Keynote
Christian Kennes	Carbon dioxide and syngas bioconversion to ethanol, acetic acid and medium chain fatty acids
Josef Horvath	Developing a small scale system for microbial electrosynthesis
Igor Vassilev	Characterization of fluidized vs. fixed granular activated carbon beds as cathodes for microbial electrosynthesis of carboxylates from CO ₂
Werner Fuchs	Biohydrogen formation from organic wastes utilizing electro-active bacteria
Camille Petrognani	Production of isobutyric acid from methanol by <i>Clostridium luticellarii</i>

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