

BioTech Research & Innovation Hack 2021

AGENDA



27-29 September 2021

Online on Webex

Registration under: <https://ec.europa.eu/eusurvey/runner/BioTechRnIHack2021>

Monday, 27 September 2021

09:30-10:10	Opening of the BioTech R&I Hack 2021 KEY NOTE 1	<i>Anna Tsokaleli European Commission</i>
Bio-based replacement products, technologies and processes <i>Kick off seminar of 3. Call projects</i>		
10:10 - 10:35	Cell4Chem: Engineering microbial communities for the conversion of lignocellulose into medium-chain carboxylates	<i>Heike Sträuber Helmholtz Centre for Environmental Research – UFZ, DE</i>
10:35 - 11:00	SynBioMet: Synthetic Biology for Sustainable Production of the Methionine Analogon HMTB	<i>Thomas Walther Technische Universität Dresden, DE</i>
11:00 - 11:15 Break		
11:15 - 11:40	OLEOFERM: Sustainable oleochemicals bioproduction from carboxylates via oleaginous fermentation	<i>Cristina González IMDEA Energy, ES</i>
11:40 - 12:05	MCM4SB: Replacing food-competing feedstocks with Methanol, CO ₂ and Methylamine for a Sustainable Bioeconomy	<i>Berna Sariyar Akbulut Marmara University, TR</i>
12:05 - 12:30	ContiBio: Continuous bioprocessing of microbial co-cultures: directing population by nutrient pulsing based on single cell data	<i>Frank Delvigne University of Liège, BE</i>
12:30 - 13:00 Lunch Break		
13:30 - 14:00	KEY NOTE 2	
Microbial communities, co-cultures and cascades of microorganisms for new products, value-added products and supply services and sustainable industrial processes <i>Midterm seminar of 2. Call projects</i>		
14:00 - 14:30	MILIMO: Microbial conversion of lignin to monomers for bio-based plastics using synthetic biology	<i>Thimothy Bugg University of Warwick, UK</i>
14:30 - 15:00	MIPLACE: Microbial integration of plastics in the circular economy	<i>Jose Jimenez Imperial College London, UK</i>
15:00 - 15:15 Break		
15:15 - 15:45	Syn Consor4Butanol: Sustainable Production of n-Butanol by Artificial Consortia Through Synthetic and Systems Biology Approaches	<i>Philippe Soucaille LISBP, INSA, University of Toulouse, FR</i>
15:45 - 16:15	SYCOLIM: Synthetic microbial communities for the production of limonene derived products	<i>Rodrigo Ledesma-Amaro Imperial College London, UK</i>
16:15 - 16:45	SYNBIOGAS: Synthetic landfill microbiomes for enhanced anaerobic digestion to biogas	<i>James McDonald Bangor University, UK</i>

09:00-09:30	KEY NOTE 3	
Biotechnology for a sustainable bioeconomy <i>Final seminar of cofunded projects I</i>		
09:30 -10:00	YogurtDesign: Microbial community modeling for the production of 'designer' yogurt	<i>Bas Teusink Vrije Universiteit Amsterdam, NL</i>
10:00 - 10:30	INDIE: Biotechnological production of sustainable indole	<i>Katarina Cankar Wageningen Plant Research, NL</i>
10:30 - 11.00	ScaleApp: Investigating large scale bioreactor effects in microbial application	<i>Marco Oldiges Forschungszentrum Jülich GmbH, DE</i>

11:00 - 11:15 Break

11:15 - 11:45	MISSION: Streamlined Streptomyces cell factories for industrial production of valuable natural products	<i>Andriy Luzhetskyy University of Saarland, DE</i>
11:45 - 12:15	SYNTHEROIDS: Synthetic Biology for Industrial Production of Steroids	<i>Alberto Sola Instituto de Biotecnología de León(INBIOTEC), ES</i>
12:15 - 12:45	BestBioSurf: Synthetic Biology for the development of novel, cheap and efficient biosurfactants	<i>Philippe Jacques University of Liège, BE</i>

12:45 - 13:30 Lunch Break

13:30 – 14:00	KEY NOTE 4	
Biotechnology for a sustainable bioeconomy <i>Final seminar of cofunded projects II</i>		
14:00 - 14:30	MemBRane: MemBRane Modulation for Bioprocess enhANcEment	<i>Alan Goddard Aston University, UK</i>
14:30 - 15:00	COMRADES: Computation for Rational Design: From Lab to Production with Success	<i>Amit Deshmukh & Henk Noorman DSM, NL</i>

15:00 - 15:15 Break

15:15 - 15:45	TRALAMINOL: Enzyme platform for the synthesis of chiral aminoalcohols	<i>Wolf-Dieter Fessner Technical University of Darmstadt, DE</i>
15:45 - 16:15	HotSolute: Thermophilic bacterial and archaeal chassis for extremolyte production	<i>Bettina Siebers University of Duisburg-Essen, DE</i>
16:15 - 16:45	BioDiMet: Methyl Transferases for the Functional Diversification of Bioactives	<i>Michael Richter Fraunhofer IGB, DE</i>

9:00 - 9:30	KEY NOTE 5	
Biotechnology for a sustainable bioeconomy <i>Final seminar of cofunded projects I</i>		
09:30 - 10:00	WooBadh: Environmentally-friendly bioadhesives from renewable resources	<i>María Teresa Moreira University of Santiago de Compostela, ES</i>
10:00 - 10:30	C1Pro Microbial conversion of C1 to value-added products by integrated systems and synthetic biology	<i>Trygve Brautaset Norwegian University of Science and Technology, NO</i>
10:30 - 11.00	CoolWine: Model-guided evolution for balanced attenuation of wine ethanol content by developing non-GMO yeast strains and communities	<i>Ramon Gonzalez Consejo Superior de Investigaciones Científicas (CSIC), ES</i>
11:00 - 11:15 Break		
11:15 - 11:45	MERIT: MicroalgaE as Renewable Innovative green cell facTories	<i>Olaf Kruse Bielefeld University, DE</i>
11:45 - 12:15	SUSPHIRE: Sustainable Bioproduction of Pheromones for Insect Pest Control in Agriculture	<i>Diego Orzaez Agencia Estatal Consejo Superior de Investigaciones Científicas IBMCP, ES</i>
12:15 - 12:45	BioMetCHEM: Sustainable Production of Added Value Chemicals from SynGas-derived Methanol Through Systems and Synthetic Biology Approaches	<i>Nigel Minton University of Nottingham, UK</i>
12:45 - 13:30 Lunch Break		
13:30 - 14:00	KEY NOTE 6	
Biotechnology for a sustainable bioeconomy <i>Final seminar of cofunded projects II</i>		
14:00 - 14:30	Sustainable co-production: Tobacco as sustainable production platform of the natural biopolymer cyanophycin as co-product to oil and protein	<i>Inge Broer University of Rostock, DE</i>
14:30 - 15:00	RHODOLIVE: Biovalorization Of Olive Mill Wastewater To Microbial Lipids And Other Products via Rhodotorula Glutinis Fermentation	<i>Alper Karakaya Düzen Biological Sciences R&D and Production Company, LE, TR</i>
15:00 - 15:15 Break		
15:15 - 15:45	BESTER: Bioprocesses for the optimized, integrated production of butyl esters from sustainable resources	<i>Alexander Wentzel SINTEF, NO</i>
15:45 - 16:15	HOMBIOCAT Fabrication of hierarchically organized multi-functional heterogeneous biocatalysts for the modular synthesis of ω -amino acids from renewable feedstocks	<i>Aitziber L. Cortajarena CIC biomaGUNE, Biomolecular Nanotechnology, ES</i>
16:15 - 16:45	IRONPLUGNPLAY: Electric plug adapters for proteins: Activating iron-sulfur enzymes to fully exploit Nature's catalytic potential for biotechnology	<i>Gregory Bokinsky Delft Technical University, NL</i>
16:45 - 17:00	Closure of BioTech Research and Innovation Hack 2021	