

TUESDAY 11 FEBRUARY 2020		
11th-Floor Vista suites 1-4, Park Plaza Hotel		
SESSION 1	CHAIR: Rolf Thauer (Max Planck Institute, Marburg, Germany)	
9.00-9.05	Nigel Minton <i>SBRC-Nottingham, UK</i>	Welcome
9.05-9.20	Rolf Thauer <i>Max Planck Institute, Marburg, Germany</i>	Thermodynamics and kinetic considerations
9.20-9.50	Volker Müller <i>University of Frankfurt, Germany</i>	INVITED TALK - Acetogenic bacteria: biocatalysts for the production of biocommodities from C1 feedstocks
9.50-10.10	Ari Satanowski (PhD Student) <i>Max Planck Institute, Marburg, Germany</i>	The GED Cycle – Awakening a Latent Carbon Fixation Pathway in <i>E. coli</i>
10.10-10.30	Anja Wiechmann <i>University of Frankfurt, Germany</i>	Homologous Production, Purification and Characterisation of the Rnf complex From <i>Acetobacterium woodii</i>
10.30-11.00	COFFEE/TEA BREAK	
SESSION 2	CHAIR: Will Zimmerman (University of Sheffield, UK)	
11.00-11.30	Sean Simpson <i>LanzaTech, USA</i>	INVITED TALK - Carbon recycling: Gas Fermentation Turning “Above Ground” Carbon into Products That Make Sense
11.30-11.50	Bastian Molitor <i>University of Tübingen, Germany</i>	Power-to-Protein: Converting Renewable Electric Power and Carbon Dioxide into Single Cell Protein with a Two-Stage Bioprocess
11.50-12.10	Francois Seys (PhD Student) <i>SBRC-Nottingham, UK</i>	Expanding the Genome Editing toolbox in Acetogens
12.10-12.30	Marina Perdigão Elisiário (PhD Student) <i>Delft University of Technology, The Netherlands</i>	Modelling Syngas Fermentation in a Hollow Fibre Membrane Bioreactor
12.30-13.30	LUNCH	
13.30-14.30	POSTER SESSION 1	
SESSION 3	CHAIR: Stephen Poulston (Johnson Matthey Technology, UK)	
14.30-15.00	Irimi Angelidaki <i>Technical University of Denmark (DTU)</i>	INVITED TALK - Biotechnology as a Tool for Capturing and Recycling of CO ₂
15.00-15.20	Charles Banks <i>University of Southampton and CJC Labs, UK</i>	Can Anaerobic Digestion Coupled to Reductive Biomethanisation De-fossilise the gas grid?
15.20-15.40	Ken Omersa <i>Omnagen Ltd, UK</i>	Self-Powered Carbon Dioxide Converter
15.40-16.00	COFFEE/TEA BREAK	
16.00-16.20	Kamran Jawed <i>SBRC-Nottingham, UK</i>	Optimization of PHA Production in <i>C. necator</i> H16 Under Mixotrophic Condition
16.20-16.40	Daya Pandey <i>Anglia Ruskin University, UK</i>	Air-Steam Gasification of Poultry Litter in a Bubbling Fluidised Bed Reactor – A Technical Feasibility Analysis
16.40-17.15	PITCHES	
17.30-19.00	MANAGEMENT BOARD MEETING	
19.00	DRINKS RECEPTION & CONFERENCE DINNER	

WEDNESDAY 12 FEBRUARY 2020		
11th-Floor Vista suites 1-4, Park Plaza Hotel		
SESSION 4	CHAIR: Tithira Wimalasena (<i>Calysta UK Ltd</i>)	
9.00-9.30	Achim Raschka <i>nova Institute, Germany</i>	INVITED TALK – CO ₂ as a renewable carbon feedstock for fuels, chemicals and polymers
9.30-9.50	Peter Clark <i>Knowledge Transfer Network, UK</i>	Towards the manufacture of chemicals in a Net Zero World – Where are our strengths in innovation capability and where are the opportunities in the UK
9.50-10.10	Eleanor Hadley Kershaw <i>SBRC-Nottingham, UK</i>	Making the Circular Bioeconomy Sustainable
10.10-10.30	Martin Kingsley <i>Argent Energy Ltd, UK</i>	Opportunities for Carbon Recycling from Biodiesel Production and Feedstock Sourcing
10.30-11.00	COFFEE/TEA BREAK	
SESSION 5	CHAIR: Reuben Carr (<i>Ingenza UK Ltd</i>)	
11.00-11.30	Arren Bar-Even <i>Max Planck Institute, Germany</i>	INVITED TALK - Growth of <i>E. coli</i> on Formate and Methanol via the Reductive Glycine Pathway
11.30-11.50	Fabian M. Schwarz (PhD Student) <i>Johann Wolfgang Goethe University Frankfurt, Germany</i>	Whole Cell Biocatalysis for Hydrogen Storage and Syngas Conversion to Formate Using a Thermophilic Acetogen
11.50-12.10	Nico J Claassens <i>Wageningen University, The Netherlands</i>	Engineered Growth on Formate of <i>Cupriavidus necator</i> via The Reductive Glycine Pathway
12.10-12.30	Erik Hanko <i>SBRC-Nottingham, UK</i>	Identification, Characterisation and Application of Metabolite-Inducible Systems in <i>Cupriavidus necator</i>
12.30-13.30	LUNCH	
13.30-14.30	POSTER SESSION 2	
SESSION 6	CHAIR: Saul Purton (<i>University College London, UK</i>)	
14.30-15.00	Klaas J Hellingwerf <i>Photanol BV and University of Amsterdam, The Netherlands</i>	INVITED TALK - Using Oxyphototrophs For Production Of Chemical Commodities From CO ₂
15.00-15.20	Robert Bradley <i>Imperial College London, UK</i>	Electrosynthetic Valorisation of Oxidised C1 Compounds
15.20-15.40	Paniz Izadi (PhD Student) <i>Newcastle University, UK</i>	Microbial Electrosynthesis (MES) for Conversion of CO ₂ to Chemicals and Fuels
15.40-16.00	Nigel Minton <i>SBRC-Nottingham, UK</i>	Closing remarks
16.00-16.30	REFRESHMENTS AND DEPART	