

<b>MONDAY 12 SEPTEMBER 2022</b>		
<b>Conference Theatre, East Midlands Conference Centre, Nottingham</b>		
<b>SESSION 1</b>	<b>CHAIR: TBC</b>	
8.55-9.00	<b>Nigel Minton</b> <i>The Carbon Recycling Network, UK</i>	Welcome & Opening Words
9.00-9.30	<b>INVITED TALK - Shivani Garg</b> <i>LanzaTech, USA</i>	Towards a New Carbon Economy: Upcycling Waste Gases into Fuels And Chemicals One Carbon Molecule At a Time
9.30-9.50	<b>Henri Ingelman</b> <i>University of Tartu, Estonia</i>	Autotrophic Adaptive Laboratory Evolution Of The Acetogen <i>Clostridium Autoethanogenum</i> Delivers A Gas-Fermenting Strain With Superior Growth, Products And Robustness
9.50-10.10	<b>Bastian Molitor</b> <i>University of Tübingen, Germany</i>	Accessing <i>Methanothermobacter thermautotrophicus</i> as a Platform Host for the Production of Chemicals from Molecular Hydrogen and Carbon Dioxide
10.10-10.30	<b>Margaux Poulalier Delavelle</b> <i>SBRC, University of Nottingham, UK</i>	<b>TBC</b>
10.30-11.00	<b>COFFEE/TEA BREAK</b>	
<b>SESSION 2</b>	<b>CHAIR: TBC</b>	
11.00-11.30	<b>INVITED TALK – Craig Woods</b> <i>DeepBranch, UK</i>	Single Cell Protein and the Substrate of Industrial Fermentations
11.30-11.50	<b>Ken Omersa</b> <i>Omnagen Ltd, UK</i>	Electrochemical conversion of biogas to syngas
11.50-12.10	<b>Reuben Carr</b> <i>Ingenza, Ltd UK</i>	Developing CCU applications ready for industrial implementation
12.10-12.30	<b>Joanna Sparks</b> <i>Supergen Bioenergy Hub, Aston University, UK</i>	Carbon Recycling Network Policy Engagement Update: Understanding and Enabling The Potential Of Biological Systems For Carbon Dioxide Utilisation
12.30-14.30	<b>LUNCH &amp; POSTER SESSION</b>	
<b>SESSION 3</b>	<b>CHAIR: TBC</b>	
14.30-15.00	<b>INVITED TALK – Arren Bar even Lecture Volker Müller</b> <i>Goethe University, Germany</i>	Electron bifurcation New perspectives on a long-hidden energy-coupling mechanism
15.00-15.20	<b>James Millard</b> <i>SBRC, University of Nottingham, UK</i>	Forward and Reverse Genetics in <i>Eubacterium limosum</i>
15.20-15.40	<b>Frank Bengelsdorf</b> <i>Ulm University, Germany</i>	Lactate-mediated co-cultivation of <i>A. woodii</i> and <i>C. drakei</i> for medium-chain organic acids production
16.20-16.40	<b>Jordan Oliver</b> <i>University of South Wales, UK</i>	Optimising the NAD Metabolome in Bio-electrochemical Systems
16.40 -16.45	<b>CLOSE DAY 1</b>	
17.30-19.00	<b>MANAGEMENT BOARD MEETING</b>	
19.00	<b>DRINKS RECEPTION &amp; CONFERENCE DINNER</b>	

<b>TUESDAY 13 SEPTEMBER 2022</b>		
<b>Conference Theatre, East Midlands Conference Centre, Nottingham</b>		
<b>SESSION 4</b>	<b>CHAIR: TBC</b>	
9.00-9.30	<b>INVITED TALK –</b> <b>Aniek Van der Woude</b> <i>Photanol BV, The Netherlands</i>	Cyanobacterial cell factories: a showcase of organic acid production
9.30-9.50	<b>Jose Munoz</b> <i>Northumbria University, UK</i>	Algal treasures to convert CO2 and waste streams into Biogas
9.50-10.10	<b>Corinna Hartinger</b> <i>University of Oxford, UK</i>	Constraint-based Modelling to Investigate and Enhance Carbon Conversion Efficiency in <i>Marchantia</i> polymorpha
10.10-10.30	<b>Verena Kriechbaumer</b> <i>University of Oxford, UK</i>	pMMO In Plants For Methane Detoxification
10.30-11.00	<b>COFFEE/TEA BREAK</b>	
<b>SESSION 5</b>	<b>CHAIR: TBC</b>	
11.00-11.30	<b>INVITED TALK –</b> <b>Lori Giver</b> <i>Calysta, USA</i>	Calysta's Journey to Scaling Up Production and Reducing Carbon Intensity
11.30-11.50	<b>Qiang Li</b> <i>Centre for Process Innovation, UK</i>	Susfeed Project: Decarbonation of Methane Gas Fermentation Using Mixed Bacterial Cultures
11.50-12.10	<b>Bashir Rumah</b> <i>SBRC, University of Nottingham, UK</i>	In vivo genome editing of type I and type II methanotrophs using CRISPR-Cas9 system
12.10-12.30	<b>Thomas Smith</b> <i>Sheffield Hallam University, UK</i>	Genomic Potential of Aerobic Methanotrophs for Methane-Driven Transformations of Metals and Metalloids
12.30-14.30	<b>LUNCH &amp; POSTER SESSION</b>	
<b>SESSION 6</b>	<b>CHAIR: TBC</b>	
14.30-15.00	<b>INVITED TALK –</b> <b>Paul Hudson</b> <i>KTH Royal Institute of Technology, Sweden</i>	Metabolic engineering enhances conversion of formate to the bioplastic PHB in <i>Cupriavidus necator</i>
15.00-15.20	<b>Marco Garavaglia</b> <i>SBRC, University of Nottingham, UK</i>	Identification of Conditionally-Essential Genes in <i>Cupriavidus necator</i> H16, Using a Combination of <i>in vivo</i> (TraDIS) and <i>in silico</i> (GSM) Approaches
15.20-15.40	<b>Shouyong Jiang</b> <i>University of Aberdeen, UK</i>	Computational modelling of microbial metabolic networks and its application to strain design
15.40-16.00	<b>Alice Mortiboy</b> Potter Clarkson, UK	IP Essentials for Academics and Founders
16.00-16.15	<b>Nigel Minton</b> <i>The Carbon Recycling Network, UK</i>	Closing remarks
16.15-16.30	<b>REFRESHMENTS AND DEPART</b> <b>CLOSE DAY 2 – End of Conference</b>	