

PROGRAMME:

DAY 1: TUESDAY 27 APRIL 2021 <i>All times are BST</i>		
09:25-09:30	JOINING TIME	
SESSION 1	CHAIR: Nigel Minton, The Carbon Recycling Network, UK	
09:30-09:35	Nigel Minton <i>The Carbon Recycling Network, UK</i>	Welcome & Opening Words
09:35-10:05	Pauline Ruiz & Pia Skoczinski <i>nova Institute, Germany</i>	INVITED TALK: CO₂ as a Renewable Carbon Feedstock for Chemicals, Fuels and Polymers
10:05-10:30	Sheena Hindocha <i>The Knowledge Transfer Network, UK</i>	Accelerating Net Zero Chemical Manufacturing
10:35-11:00	Fraser Brown <i>Ingenza Ltd, UK</i>	Improving Sustainability in Biobased Manufacturing
11:00-11:15 Break		
SESSION 2	CHAIR: Tithira Wimalasena, Corbion, The Netherlands	
11:15-11:45	Craig Woods <i>Deep Branch Biotechnology, UK</i>	INVITED TALK: Hydrogen oxidising bacteria as an animal feed material
11:45-12.10	Christian Klask <i>University of Tübingen, Germany</i>	Interrogating the Autotrophy in <i>Clostridium ljungdahlii</i> by Manipulation of RNF complex-associated Genes
12.10-12.35	Stefan Pflügl <i>Technische Universität Wien, Austria</i>	Blending industrial blast furnace gas with H ₂ enables <i>Acetobacterium woodii</i> to efficiently co-utilize CO, CO ₂ and H ₂
12:35-13:05 Lunch break		

SESSION 3	CHAIR: Sean Simpson, LanzaTech, USA	
13:05-13:10	Nigel Minton <i>The Carbon Recycling Network, UK</i>	Welcome back and introduction to Arren Bar-Even Memorial Prize Lecture
13:10-13:40	Arren Bar-Even Memorial Prize Lecture: Nico Claassens <i>Wageningen University, The Netherlands</i>	INVITED TALK: Current status and future of the Reductive Glycine Pathway for the one-carbon world
13:40-14:05	Esteban Marcellin <i>The University of Queensland, Australia</i>	The rhythm of the gas
14:05-14:30	Lennart Schada von Borzyskowski <i>Leiden University, The Netherlands</i>	Engineering carbon-neutral photorespiration in <i>Synechococcus elongatus</i> by implementing the beta-hydroxyaspartate cycle
14:30-14:35	Nigel Minton <i>The Carbon Recycling Network, UK</i>	Final words for Day 1
14:35 Close of Day 1		

DAY 2: WEDNESDAY 28 APRIL 2021*All times are BST*

09:25-09:30	Joining Time	
SESSION 4	CHAIR: Reuben Carr, Ingenza Ltd, UK	
09:30-09:35	Nigel Minton <i>The Carbon Recycling Network, UK</i>	Welcome & Introduction to Day 2
09:35-10:05	Byung-Kwan Cho <i>KAIST - Korea Advanced Institute of Science and Technology</i>	INVITED TALK: Systems Biology of Acetogenic Bacteria for Sustainable Bioproduction from C1 Feedstocks
10:05-10:30	Maximilian Flaiz <i>Ulm University, Germany</i>	Light up Acetogens: Acetone Production with Fluorescent <i>Eubacterium limosum</i> Strains Cultivated using the C1-Carbon Source Methanol
10:35-11:00	Kaspar Valgepea <i>University of Tartu, Estonia</i>	Absolute proteome quantification in the gas-fermenting acetogen <i>Clostridium autoethanogenum</i>
11:00-11:15 Break		
SESSION 5	CHAIR: Sonia Heaven, University of Southampton & Director EBnet, UK	
11:15-11:45	Doris Hafenbradl <i>Electrochaeta, Germany</i>	INVITED TALK: Ancient Archaea Microorganisms recycle CO₂ and produce renewable methane in large scale
11:45-12.10	Eileen Yu <i>Loughborough University, UK</i>	Strategies for increasing multi-carbon bio-products from CO ₂ by Microbial electrosynthesis (MES)
12.10-12.35	Ken Omersa <i>Omnagen Ltd, UK</i>	A Self-Powered CO ₂ Converter
12:35-12:45	Nigel Minton <i>The Carbon Recycling Network, UK</i>	Closing Words - End of the Conference