

Fuels, Food and Materials – Minutes

Delegates: Prof Stephen Eichhorn (Host), Richard Cawthorne, Dr Matthew Gibson, Dr Thomas Howard, Dr Rob Elias, Prof Ray Marriott, Prof Stephen Harding, Prof Andrew Laws, Prof Simon Turner, Dr Gordon Morris, Dr Reuben Carr, Yvonne Armitage, Aurora Pinas-Fernandez, Dr Simon Charnock, Jonathan Jones, Dr Andrew Ellis, Lawrence Okorafor, Dr Mike Morris, Isabella Van Damme, Chloë Heywood Dr Claire Doherty, Caron King, Chris Hopkins

Apologies: Prof Karen Wilson, Dr Joe Gallagher, Prof Sabine Flitsch, Prof Perdita Barran, Dr Gavin Miller

Day 1 - Thursday 9th October

Delegates congregated over a networking lunch. Prof Stephen Eichhorn began the meeting by welcoming everyone and introducing IBCarb to all delegates. Caron King from Kingswood Plus then introduced herself and explained the facilitation process that would take place over the course of the meeting.

A series of presentations with group discussions then followed:

- 'Bio-technology overview' – Richard Cawthorn (Croda International PLC)
- 'Incorporating carbohydrates into synthetic polymers' - Dr Matthew Gibson (University of Warwick)
- 'Engineering microbial metabolism for the production of petroleum-replica biofuels' - Dr Thomas Howard (University of Exeter)
- 'Development opportunities for bio-based materials' – Dr Rob Elias (University of Bangor)

After the coffee break, there were further presentations and group discussions as follows:

- 'Fractionation and modification of carbohydrates using supercritical CO₂' - Professor Ray Marriott (University of Bangor)
- 'Polysaccharide hydrodynamics and applications' - Professor Stephen Harding (The University of Nottingham)
- 'Designing improved catalysts for biorefining' – presented by Professor Stephen Eichhorn on behalf of Professor Karen Wilson (Aston University)

Prof Stephen Eichhorn and Caron King summarised and concluded Day 1 of the meeting.

Day 2 - Friday 10th October

Delegates reconvened over morning coffee. Caron King summarised the meeting so far and introduced Day 2. The group broke out into small groups to discuss possible projects based on discussions from Day 1 and shared relevant expertise in the groups. The groups were mixed up several times with input to the initial ideas from new group members.

After a networking lunch, delegates reconvened and the main project ideas from each group were presented. The projects were assigned leaders who led subsequent discussions and will follow up after the event. Delegates broke out into groups based on the projects and developed the projects further.

Summary & Close

The meeting was summarised and closed by Prof Stephen Eichhorn, the host, and Caron King who facilitated the workshops.

Presentations:

<http://ibcarb.com/?p=511>

Workshop outputs:

<http://ibcarb.com/?p=512>