

Sustainable Chemical Technologies for a Circular Economy
CSCT Summer Showcase 2017
 East Building, University of Bath



Day 1 Monday, 10 July 2017		Day 2 Tuesday, 11 July 2017	
09:00 - 09:30	14:00 - 14:40	09:15 - 09:30	13:30 - 14:10
Arrival and Registration	HEALTHCARE TECHNOLOGIES Plenary: Professor Neil Cameron, Monash University <i>3D Scaffolds for tissue engineering and regenerative medicine</i>	Opening of Day 2 Professor Nick Brook, Dean of Science, University of Bath	ENERGY AND WATER Plenary: A/ Professor Zhou Yan, NTU Singapore <i>Water and energy nexus – recent advances and challenges of wastewater treatment</i>
09:30 - 09:45	14:40 - 15:00	09:30 - 10:10	14:10 - 14:30
Opening of Day 1 Professor Jonathan Knight, Pro-Vice-Chancellor (Research)	Dr Mairian Thomas, Cellesce <i>Bioprocess design for large-scale organoid expansion</i>	PROCESSES & MANUFACTURING Plenary: Dr Chris Price, Univeristy of Strathclyde <i>Bringing the pharmaceutical industry into the circular economy</i>	Dr Ibbi Ahmet, Helmholtz-Zentrum Berlin <i>The engineering and fundamental challenges of large scale photo-electrochemical water splitting</i>
09:45 - 10:00	15:00 - 15:20	10:10 - 10:30	14:30 - 14:50
Welcome Professor Matthew Davidson, Director of the CSCT	TBC	Dr Nuno Reis, University of Bath <i>Process innovations enabled by advanced manufacturing</i>	Ruth Barden, Wessex Water <i>Why are we concerned about pharmaceuticals?</i>
10:00 - 10:40	15:20 - 15:40	10:30 - 10:50	14:50 - 15:10
RENEWABLE FEEDSTOCKS & BIOTECHNOLOGY Plenary: Dr Annie Chimphango, Stellenbosch University <i>From trash to high value bio-products: Taking advantage of nature and natural processes in biomass valorisation and functionalisation of the products</i>	Dr Ram Sharma, University of Bath <i>Cellulose based materials for tissue engineering</i>	Dr Richard Price, PragmatIC <i>Electronics for a flexible world</i>	Dr Ana Lanham, University of Bath <i>Getting things right: the importance of good data</i>
10:40 - 11:00	15:40 - 16:05	10:50 - 11:10	15:10 - 15:35
Dr Jeremy Bartosiak-Jentys, University of Bath <i>Waste on your face?</i>	Ignite Talks (5 minute talks by CSCT students: Jamie Courtenay, Daniel Scott, Serife Ustuner and Maria Weber)	Dr Baris Yalabik, University of Bath <i>Circular Economy: Operations and supply chain management challenges</i>	Ignite Talks (5 minute talks by CSCT students: Dominic Ferdani, Leyorla Ohene-Yeboah, Hannah Sullivan and Caitlin Taylor)
11:00 - 11:20		11:10 - 11:30	15:35 - 15:55
Dr Bahar Yeniad, Corbion <i>Corbion Biorefinery: from lactic acid to biobased building blocks</i>	Tea, Coffee and Posters	Tea, Coffee and Posters	Tea, Coffee and Posters
11:20 - 11:40	16:30 - 17:05	11:30 - 11:55	15:55 - 16:30
Dr Sheila Samsatli, University of Bath <i>Value Web Modelling: a powerful approach for designing integrated circular value chains using renewable feedstocks</i>	Panel Discussion (Chair: Professor Jonathan Williams) <i>Keeping resources in use for as long as possible through re-use and recover. How can these principles take root in the healthcare and pharmaceutical sector?</i>	Ignite Talks (5 minute talks by CSCT students Callum Heron, Cei Provis-Evans, Miriam Regue and Shawn Rood)	Panel Discussion (Chair: Dr Tom Arnot) <i>How much energy are we willing to use to purify water and how much water are we willing to use to convert energy?</i>
11:40 - 12:00	17:05 - 17:30	11:55 - 12:30	16:30 - 17:00
Tea, Coffee and Posters	3 Minute Thesis (Third year PhD students)	Panel Discussion (Chair: Professor Michael Lewis) <i>"Circular economy" VS "take-make-waste". How can start-ups aiming to turn waste into a resource compete with larger businesses that offer less expensive products and services?</i>	Flash Presentations First year CSCT students
12:00 - 12:25	17:30 - 17:45	12:30 - 13:30	17:00 - 17:10
Ignite Talks (5 minute talks by CSCT students: Naomi Elstone, Oliver Hammond, Rob Hicks and Strachan McCormick)	Temma Carruthers-Taylor, PhD Student, Monash University	Lunch	Introduction to Whorrod Prize Presentations Professor Tim Mays, Co-Director of the CSCT
12:25 - 13:00	17:45 - 18:00		17:10 - 17:40
Panel Discussion (Chair: Dr Matthew Jones) <i>The main barriers holding us back from closing the loop: technology or regulations?</i>	Poster Voting Session		Whorrod Prize Presentation and Lecture Sue and Roger Whorrod, Benefactors of the CSCT
13:00 - 14:00	18:00 - 20:00		17:40 - 18:00
Lunch	Conference Reception & Public Engagement Showcase The Edge, University of Bath Speaker: Professor Bruce Hood, University of Bristol		Poster Prizes and Closing Dr Marc Hutchby, CSCT Manager