

# Early Career Symposium Programme, 30-31 August, Liverpool, UK

Thursday 30 August			
17:30	Registration and refreshments		
18:30	<b>Welcome and Keynote talk</b> Welcome from Alasdair Taylor <i>Early Career Network Chair</i> Keynote from Melissa Hanna-Brown <i>Pfizer, UK</i>		
19:15	Networking dinner with introduction from Jason Harcup, <i>Unilever</i>		
Friday 31 August			
09:00	Registration and refreshments		
09:45	<b>Welcome</b> Dr Robert Parker, <i>Royal Society of Chemistry</i>		
10:00	<b>Panel 1: Industry career stories.</b> An informal Q&A with three panelists from different industries within the chemical sciences offering insights and observations from their own careers and engaging with delegates from the floor.  Chair – Alasdair Taylor <i>Early Career Network Chair</i> Melissa Hanna-Brown <i>Pfizer, UK</i> Mike Kember <i>Econic Technologies, UK</i> Trevor Keel <i>Material Value Ltd, UK</i> Phil Ryan <i>Unilever, UK</i>		
	Parallel session 1		
	<b>Organic &amp; biochemistry</b> <b>Chair - Valentina Abet</b>	<b>Physical and analytical</b> <b>Chair – Nicola Rogers</b>	<b>Inorganic and materials</b> <b>Chair – Alison Savage</b>
11:10	<b>Targeting Transcription for Therapy</b> Matt Fuchter <i>Imperial College London, UK</i>	<b>The role of atmospheric chemistry on climate and human health.</b> Alexander Archibald <i>University of Cambridge and NCAS, UK</i>	<b>Chemical strategies to study the interactions of metals with biological system</b> Elizabeth New <i>The University of Sydney, Australia</i> <i>(Winner of the Royal Society of Chemistry's ChemComm Prize 2018)</i>
11:40	<b>Troubles with Tantalum: A tale from the multi-Kg manufacture of a potential pharmaceutical</b> James Douglas <i>AstraZeneca, UK</i>	<b>On the quest for the ideal sunscreen: how can lasers help?</b> Natércia das Neves Rodrigues <i>University of Warwick, UK</i>	<b>Activation of Cp* Rings in Rhodium(III) Anticancer Complexes</b> Samya Banerjee <i>University of Warwick, UK</i>
11:55	<b>Stimuli-responsive Layer by Layer Nanocapsules for Oral Colon Drug Delivery</b> Nancy Elbaz Elmotayem <i>University of Liverpool, UK</i>	<b>Mechanistic insights into selective UV-induced self-repair of DNA lesions</b> Rafał Szabla <i>Institute of Biophysics, Academy of Sciences, Poland</i>	<b>Formation of Reactive C–Al Bonds by Palladium Catalysed C–H Bond Activation of Arenes</b> Tom Hooper <i>Imperial College London, UK</i>
12:10	Lunch and poster session		

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	Parallel session 2		
	Chair – Tom Williams	Chair – Nicola Rogers	Chair – Alison Savage
13:10	<b>Photo induced Formation of C–N Bonds</b> Daniele Leonori <i>University of Manchester, UK</i> (Winner of the Harrison-Meldola Memorial Prize 2018)	<b>Through the looking glass, and what amino acids found there.</b> Kirsty Penkman <i>University of York, UK</i>	<b>Breaking chains, literally and figuratively</b> Asel Sartbaeva <i>University of Bath, UK</i>
13:40	<b>Artificial metalloenzymes for chemical synthesis</b> Amanda Jarvis <i>University of Edinburgh, UK</i>	<b>DNA photosensitization by benzophenone: A tale of two different solvent environments</b> Ravi Kumar Venkatraman, <i>University of Bristol, UK</i>	<b>Eliminations across the perigap: Coupling reactions with main group species</b> Laurence Taylor <i>University of Nottingham, UK</i>
13:55	<b>Oxidation-Induced Isomerisation and Hemiquinhydrone Complex Formation of Anti-Oxidant-Substituted Resorcinarenes</b> Daniel Payne <i>National Institute for Materials Science, Japan</i>	<b>Non-invasive detection of calcium hydroxyapatite and calcium oxalate deep inside biological tissue using Transmission Raman Spectroscopy</b> Adrian Ghita, <i>University of Exeter, UK</i>	<b>Towards High Relaxivity Macromolecular MRI Contrast Agents: Design, Synthesis and Polymerisation of Monomeric and Crosslinker Gd(III)-Complexes</b> Thomas Berki <i>University of Loughborough, UK</i>
	Parallel session 3		
	Chair – Tom Williams	Chair – Nicola Rogers	Chair – Clare Bakewell
14:10	<b>Great Chemistry makes Scotch Whisky Great! How does chemistry influence the production, flavour and aroma of Scotch - from history to innovation?</b> Emma-Jane Walker <i>Diageo, UK</i>	<b>In situ reference electrode as a diagnostic tool for fuel cell and water electrolysis technologies</b> Luis Castanheira <i>National Physical Laboratory, UK</i>	<b>Exploiting Stereoselectivity in Cyclic Ester Ring-Opening Polymerisation for the Preparation of Biodegradable Polymers</b> Rachel Platel <i>Lancaster University, UK</i>
14:40	<b>4-<math>\pi</math> Photocyclisation: A New Route to Functionalized 1,2-Diazetidines</b> Thomas Britten <i>Lancaster University, UK</i>	<b>Understanding Molecular Mechanism for Thermal Stability of Microbial Rhodopsins: A Spectroscopic Study</b> Ramprasad Misra, <i>Weizmann Institute of Science, Israel</i>	<b>Engineering “smart” molecular building blocks for functional nano-surfaces – Breaking the nano barrier</b> Lydia Sosa Vargas <i>Sorbonne Université, Institut Parisien de Chimie Moléculaire, France</i>
14:55	<b>Investigation of the caesium effect in palladium catalysed coupling reactions</b> Tom Dent <i>University of Leeds, UK</i>	<b>Self-consistent Hubbard-corrected DFT study of hole-polaron trapping in glucose-based bio-insulators: the Cyclodextrin case.</b> Stefano Mensa, <i>University of Liverpool, UK</i>	<b>Low-Valent Nickel(I) Complexes Stabilised by RE-NHCs: Catalytic Activity and Unusual Magnetic Behaviour Characterized via EPR/ENDOR Spectroscopy</b> Emma Richards, <i>Cardiff University, UK</i>
15:15	Afternoon refreshments		

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15:45	<p><b>Panel 2: Academic career stories and how to stand out</b></p> <p>This session will give delegates the opportunity to ask questions and hear about insights into the academic career journeys of the speakers. A Q&amp;A will follow a brief introduction about each speaker.</p> <p>Chair - Nicola Rogers Libby Gibson <i>University of Newcastle, UK</i> Alison Hulme <i>University of Edinburgh, UK</i> Tom Welton <i>Imperial College London, UK</i></p>
16:45	<p><b>Panel 2: Outreach and impact</b></p> <p>This chaired discussion will focus on how delegates can increase their impact by developing the ability to talk to non-specialist audiences about their work. The panel will also answer questions and give their view on how involvement with outreach activities can personally benefit early career scientists who take part.</p> <p>Chair - Nitika Bhalla Jamie Gallagher <i>University of Glasgow, UK</i> Suze Kundu <i>University of Surrey, UK</i> Zoe Schnepf <i>University of Birmingham, UK</i></p>
17:45	<p><b>Closing remarks and award of poster prizes</b></p> <p>Alasdair Taylor <i>Early Career Network Chair</i></p>
18:00	Close of sessions