

## Early Career Colloid meeting 2019 Programme

Registration, refreshments, lunch, poster session, and sponsor stands (Lubrizol, Adaptive Instruments, Postnova Analytics, Anton Paar and Malvern Panalytical) are located in the 'S' Building Foyer. Talks and panel discussions will take place in the David Davies Building (DAV.0.28).

### Day 1 – Monday 16<sup>th</sup> September 2019

Time	Event
12.00-12.45	Registration and Lunch
12.45-13.00	Introduction to ECColloid19
13.00-13.40	<b>Plenary lecture - Dr Peter Shaw, Synthomer</b> <b>50 Years in Rubbers and Plastics</b>
	<b>Session 1: Coatings and surfaces</b>
13.40-14.00	Brianna Knowles, University of Wollongong <i>Foul Play: Using Functionalised Silica Nanoparticle Colloids to prepare Antifouling Surface Coatings</i>
14.00-14.20	Yuxiu Chen, University of Surrey <i>Biocoatings: Painting Bacteria on Surfaces</i>
14.20-14.40	Donald Hill, Swansea University <i>Tailoring the wettability of plastic using thermally embedded Al<sub>2</sub>O<sub>3</sub> nanoparticles</i>
14.40-15.20	Coffee break
	<b>Session 2: Characterisation</b>
15.20-15.40	Matthew Wallace, University of East Anglia <i>Titration without Frustrations: pK<sub>a</sub> determinations, supramolecular gelation and binding analyses by NMR imaging</i>
15.40-16.00	Bassem Sabagh, Postnova Analytics UK Ltd <i>Advanced characterisation of styrene acrylic latex and core-shell structures</i>
16.00-16.20	David Growney, Lubrizol <i>Morphological Characterisation of Carbon Black and Diesel Soot and the Associated Extraction Dependence</i>
16.20-17.00	<b>Panel discussion 1 – Knowledge dissemination and exchange</b> Panel members: Gabrielle Newson (Innovate UK), Garima Sharma (RSC Journals), Prof Karen Edler, and Dr Peter Shaw
17.00-18.15	<b>Poster session and wine reception</b>
20.00	<b>Meeting dinner at Goodliffes</b>

## Day 2 – Tuesday 17<sup>th</sup> September 2019

Time	Event
09.00-09.30	Coffee break
09.30-10.10	<b>Plenary lecture - Prof Karen Edler, University of Bath</b> <b><i>Scattering and Self-Assembly: from silica to (deep eutectic) solvents</i></b>
	<b>Session 3: Diagnostics and Nanomedicine</b>
10.10-10.30	Thomas McDonald, University of Liverpool <i>Synergistic Dual-Stimuli Responsive Poly(N-Isopropyl Acrylamide) Nanogels as Long-Acting Drug Delivery Implants</i>
10.30-10.50	Helen Willcock, Loughborough University <i>Towards new applications for responsive polymer particles</i>
10.50-11.20	Coffee break
	<b>Session 4: Diagnostics and nanomedicine</b>
11.20-11.40	Michael Cook, University of Hertfordshire <i>Thermoresponsive gelators as advanced materials for topical drug delivery</i>
11.40-12.00	Lee Fielding, University of Manchester <i>Using bridging flocculation for the development of a polymer-based point-of-care diagnostic for targeted detection of DNA</i>
12.00-12.20	Priyanka Dey, University of Exeter <i>Raman diagnostics with custom-made gold nanostructured assemblies</i>
	<b>Session 5: Colloids manipulation and processing</b>
12.20-12.40	Guido Bolognesi, Loughborough University <i>Micro-manipulation of soft interfaces by optical and microfluidic methods</i>
12.40-13.30	Lunch (ECC committee meeting)
13.30-14.10	<b>Panel Discussion 2 – Collaboration and funding</b> Panel members: Dr Marianne Rolph (EPSRC), Gabrielle Newson (Innovate UK), Prof Karen Edler, and Dr Peter Shaw
	<b>Session 5: Colloids manipulation and processing</b>
14.10-14.30	Azarmidokht Gholamipour-Shirazi, University of Birmingham <i>Designing hydrocolloid based food-ink formulations for extrusion 3D printing</i>
14.30-14.40	<b>Poster Prizes and Closing remarks</b>
<b>14.40</b>	<b>End of ECCo2019</b>