



Rayleigh Seminar Room, Maxwell Centre, University of Cambridge, JJ Thomson Ave, CB30HE
18th March 2019

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| 10:00 | Arrival, registration, coffee and putting up posters |
| 10:20 | Welcome and Introduction |
| 10:30 | Understanding the role of processing and formulation on rice bran wax oleogels microstructure <i>Dr Vincenzo di Bari, University of Nottingham</i> |
| 11:00 | A formulation journey at Unilever <i>Dr Maria Jimenez-Solomon, Unilever</i> |
| 11:30 | Characterising your formulations! <i>Dr Emily Summerton, Johnson Matthey</i> |
| 11:45 | Designing colloidal formulations and bespoke rheological tests for 3D printing <i>Dr Esther García-Tuñón, University of Liverpool</i> |
| 12:00 | <i>2-minute poster pitches</i> |
| 12:15 | Lunch and posters |
| 13:30 | Rheology and characterisation of Sugru mouldable glues (RTV-1 silicone elastomer putty) <i>Dr Vivian Christogianni, FormFormForm</i> |
| 14:00 | A crystal engineering approach for the design of complex food and pharma colloidal structures <i>Dr Elena Simone, University of Leeds</i> |
| 14:30 | Particle breakage mechanics in milling operation <i>Dr Li Ge Wang, University of Sheffield</i> |
| 14:45 | Hierarchical photonic pigments via the confined self-assembly of bottlebrush block copolymers <i>Dr Richard Parker, University of Cambridge</i> |
| 15:00 | Force distribution and contact network analysis of sheared dense suspensions <i>Dr Ranga Radhakrishnan, University of Edinburgh</i> |
| 15:15 | Coffee |
| 15:45 | Molecular migration in poly(vinyl alcohol) mixtures <i>Katarzyna Majerczak, University of Birmingham</i> |
| 16:15 | Powder Processing and the Catapult Network <i>Chester Aguirre, Centre for Process Innovation</i> |
| 16:45 | Improving multi-component tablet property prediction from pure component parameters <i>Dr Hikaru Jolliffe, University of Strathclyde</i> |
| 17:00 | It's not just watching paint dry <i>Remya Norris, AkzoNobel</i> |
| 17:15 | Close |

List of pitch & poster presenters

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|-------------------------------|---|
| Dr Natalie Belsey | Imaging ingredient distribution and dermal absorption of formulated products |
| Dr Jose Ruiz-Lopez | Cornstarch suspensions in squeeze flow |
| Md Sadeque Mithu | Preparation of high-quality pharmaceutical salt by extrusion processing. |
| François Hallac | The bending stress of high aspect ratio particles in DEM shear cell |
| Dr Barbara Brockway | Formulating personal care products that are sympathetic with skin microbiota: Factors that must be considered |
| Anastasia Papadopoulou | Rheology and Microstructure of Particle Suspensions in Oral Health Formulations |
| Emma Jones | Tuning the rheology of hydrophobic materials in aqueous systems using responsive surfactants |

List of poster presenters

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| Alice Turner | Aerosol Jet Printing Scalable Oral Dosage Forms to Increase Dissolution of BCS Class II Drugs |
| Tom O'Neill | Self-Assembly: Experiments, Simulations & Theory |
| Aditi Mukhopadhyay | The Influence of Boundary Conditions on the Shear Thickening of a System |
| James Glasby | Formulation of a biofilm remover and a continuous use water disinfectant for the inhibition of biofilm formation in dental unit water lines |
| Dr JP Morrissey | Multiscale modelling of a twin screw granulator |
| Andrew Corker | Formulation of carbon-based conductive inks for use in future energy projects |
| Yang Cui | Rheology of non-Brownian suspensions composed of frictional and frictionless particles |
| Uttom Nandi | Supercritical CO ₂ dried, alginate-laponite composite beads for protein delivery. |
| Benjamin Droguet Tianheng Zhao | Towards the scalable production of structurally coloured sustainable pigments |
| Tumpa Dey | Continuous granulation processing and particle engineering to enhance the dissolution parameters of poorly water soluble drugs |
| Mariam Hussain | The aqueous phase behaviour of linear alkylbenzene sulphonate/polycarboxylate polymer systems |