

## Monday

08.00 - 08.50	Registration		
<b>Charter One</b>			
08.50 - 09.00	Welcome & Introduction - Richard Greenwood UK Colloids 2017 Chair		
09.00 - 09.50	Plenary 1 - Paul Mulvaney   University of Melbourne Large Scale Nanocrystal Arrays		
09.50 - 10.10	Exhibitor short presentation nanoScale Biomagnetics, Malvern		
10.10 - 10.30	Tea/Coffee break		
	<b>Charter One</b>	<b>Charter Two</b>	<b>Charter Three</b>
	<b>Nanoparticles</b>	<b>Characterisation of Formulated Products</b>	<b>Foams/Bubbles/Emulsions &amp; Microemulsions</b>
10.30 - 11.00	<b>K1 - Marianne Ashford   AstraZeneca</b> Nanoparticles as Nanomedicines	<b>K3 - Malcolm Faers   Bayer CropScience</b> Understanding the fascinating complexity governing the performance of crop protection flowable formulations – from coffee rings to collapse of arrested gels	<b>K5 - Karen Edler   University of Bath</b> Surfactant Self-Assembly in Deep Eutectic Solvents
11.00 - 11.20	<b>Nguyen T.K. Thanh (6)   UCL</b> Plasmonic and magnetic Nanoparticles for biomedical applications	<b>Laura Elliott (18)   University of Leeds</b> Monovalent salt effects on enhanced solvent relaxation and particle surface area determination via. spin-lattice NMR relaxometry	<b>Katherine Rumble (154)   Uni of Edinburgh</b> Bijels Formed by Direct Mixing
11.20 - 11.40	<b>Davide Giust   Uni of Southampton</b> Smart Nanoparticles for mRNAs detection	<b>David Growney (57)   Lubrizol</b> Developing a fundamental understanding of how wax control agents inhibit wax crystal growth via neutron and x-ray scattering	<b>Zengyi Wei (92)   Uni of New South Wales</b> A model oil/water interface to study the structure of adsorbed molecules
11.40 - 12.00	<b>Georgios Kasparis (159)   UCL</b> Polyol synthesis of Zn-doped ferrites for applications in magnetic fluid hyperthermia	<b>Joanna Starkie (40)   Uni of Cambridge</b> Mechanism of wax anti-setting additives and their role within wax crystallisation	<b>Marion Roulet (98)   Unilever</b> Droplets in emulsion gels: from fillers to networks
12.00 - 12.20	<b>Invited* Bien Tan (161)   Huazhong Uni</b> Synthesis of water-soluble and highly fluorescent gold nanoclusters for Fe <sup>3+</sup> sensing in living cells using fluorescence imaging	<b>Thomas Machin (185)   Uni of Birmingham</b> The In-line Rheology of Colloids	<b>Alex Hargreaves (121)   Uni of Durham</b> 3D imaging of microemulsion microdroplets deformed by multiple optical traps
12.20 - 13.30	Lunch		
13.30 - 13.50	<b>Invited* Olivier Sandre (84)   Uni of Bordeaux</b> Tuning sizes, morphologies, and magnetic properties of mono- vs. multi-core iron oxide nanoparticles through controlled addition of water in the polyol synthesis	<b>Mark Isbell (60)   ICL</b> The importance of the amorphous material interface in the measurement of thermodynamic parameters, using Inverse Gas Chromatography	<b>Papoole Valadbaigi (25)   Uni of Leeds</b> Generation of ultra-stable microbubbles for industrial applications
13.50 - 14.10	<b>Jun Chen (5)   Fudan Uni</b> Recycle Synthesis of Near Infrared Type II whey protein-capped Lead Sulfide Quantum Dots For Bioimaging Application	<b>Tianyi Bai (69)   Uni of Melbourne</b> Using AFM to characterize of the structure of polymer-surfactant complexes adsorbed on surfaces relevant to product formulation	<b>Simon Cox (97)   Aberystwyth Uni</b> Mind the gap: the behaviour of small bubbles between closely-spaced plates
14.10 - 14.30	<b>Invited* Sylvie Begin   CNRS</b> Design of magnetic nano-objects suitable for in vivo injection combining MRI, magnetic hyperthermia and/or drug delivery	<b>Mariam Hussain (127)   Uni of Leeds</b> The Phase behaviour of Linear alkylbenzene sulphate/Polycarboxylate polymer systems	<b>Qian Sun (19)   Uni of Cambridge</b> Aqueous core colloidosomes with a metal shell
14.30 - 14.50	<b>Stefanos Mourdikoudis (129)   UCL</b> Fe-based nanoparticles synthesized by 'batch' chemical routes – Modified synthetic approaches, novel routes and perspectives	<b>Jason Corbett (184)   Malvern Instruments</b> Zeta potential in saturated solutions using the Diffusion Barrier method	<b>Ana Maria Bago Rodriguez (74)   Uni of Hull</b> Emulsions stabilised by polyelectrolyte complexes (PEC)
14.50 - 15.10	Tea/Coffee break		
15.10 - 15.40	<b>K2 - Shinya Maenosono (89)   JAIST</b> Imaging and isolation of autophagosomes using magnetic-plasmonic hybrid nanobeads	<b>K4 - Zhenyu Zhang (38)   Uni of Birmingham</b> Nanotribology for Formulation Development	<b>K6 - Rico Tabor   Monash Uni</b> Emulsions stabilised by graphenes: Pickering, the next generation?
15.40 - 16.00	<b>Thomas Fallows (68)   Uni of Manchester</b> High-Throughput Synthesis of Saccharide-Terminated Catechols for the Biofunctionalization of Nanoparticles	<b>Timothy Hunter (177)   Uni of Leeds</b> Use of acoustic backscatter systems to characterise concentrated dispersions	<b>Shirin Alexander (14)   Swansea Uni</b> Branched Hydrocarbon Low Surface Energy Materials (LSEMs) for Superhydrophobic Nanoparticle Derived Surfaces
16.00 - 16.20	<b>Alec LaGow (103)   UCL</b> Continuous Flow Synthesis of Iron Oxide Nanoparticles	<b>Leesa Patel (59)   Uni of Greenwich</b> Molecular interactions studied by electrophoretic NMR	<b>Mandar Badve (83)   Uni of Birmingham</b> Flow Dynamics and rheology of foam in narrow complex channels
16.20 - 16.40	<b>Invited* L Lany Yung (136)   National Uni of Singapore</b> Gold nanoplate-based three-dimensional hierarchical microparticles: A single particle with high surface-enhanced Raman scattering enhancement	<b>Amin Sadeghpour (141)   Empa</b> Curved Lipid Mesophases and Their Interactions with Flavonoids: A Small Angle X-ray Scattering (SAXS) Study	<b>Denny Vitasari (99)   Aberystwyth Uni</b> Flow of wet foams in constricted narrow channels
16.40 - 17.00	<b>Joshua Gisin (62)   Albert-Ludwigs-Uni</b> Polystyrene microgel colloids – a versatile model system for (soft) condensed matter physics	<b>Amy Voong (131)   Uni of Birmingham</b> Characterisation of batter coatings for food systems	<b>Khaled Althubeiti (67)   Uni of Hull</b> Macroporous polymers prepared at room temperature via redox-initiated polymerisation of high internal phase emulsion templates
17.00 - 17.20	TBC		
	<b>Charter One</b>		
17.20 - 18.00	Flash posters ( 12 per session x 3 mins ) C. Gehardt Uk, Lada Scientific, Kruss, Postnova, Derry (12), Mahmoudi (32) Russell (50), Dipaolo (115), Muntz (167), Terescenco (174), Johnson (187), Wolna (195)		
18.00 - 19.30	Poster session with wine and nibbles - The Gallery		

**Tuesday**

08.00 - 08.50	Registration			
<b>Charter One</b>				
08.50-09.00	Daily update - Richard Greenwood			
09.00 -09.50	<b>Plenary 2 - Vinothan N. Manoharan   Harvard University</b> Understanding and harnessing entropy in colloids			
9.50 -10.10	<b>Exhibitor talk - Anton Paar, Mageleka</b>			
10.10- 10.40	Tea/coffee break			
	<b>Charter One</b>	<b>Charter Two</b>	<b>Charter Three</b>	<b>Charter Four</b>
	<b>Nanoparticles</b>	<b>Programmable Self-Assembly</b>	<b>Foams/Bubbles/Emulsions &amp; Microemulsions</b>	<b>Colloidal Physics</b>
10.40 - 11.10	<b>K7 - Mathias Brust   Uni of Liverpool</b> Gold Nanoparticles enable Charge Transfer across Phospholipid Bilayer Membranes	<b>K9 - Gi-Ra Yi   Sungkyunkwan Uni</b> Colloidal Superstructure of DNA-Coated Polymer Particles and Clusters	<b>K11 - Robert Pugh   Nottingham Trent Uni</b> Bubbles, Foaming and Beer	<b>K13 - Wilson Poon   Uni of Edinburgh</b> Friction and shear thickening: A new paradigm for suspension rheology
11.10 - 11.30	<b>Invited* Jörg Polte   Humboldt University of Berlin</b> Unifying Concepts in the Room Temperature CO Oxidation with Gold Catalysts	<b>Etienne Duguet (49)   Uni of Bordeaux</b> Synthesis and assembly of patchy particles: towards new 'colloidal molecules'	<b>Dmytro Dedovets (11)   CNRS</b> Confocal microscopy of the interactions of objects with a solidification interface	<b>Stuart Prescott (93)   Uni of New South Wales</b> Switching the interpenetration and controlling the structures of polymer brushes
11.30 -11.50	<b>Invited* Cuong Coa (142)   Queen's Uni Belfast</b> The Controlled Aggregation and Switchable Peroxidase-like Activity of Plasmonic Gold Nanoparticles for Clinical Diagnostics and Food Safety Analysis	<b>Mark Miller (110)   Uni of Durham</b> Optimising interactions and controlling competition in programmable self-assembly	<b>Francois Sicard (143)   UCL</b> Shrinking Armored Droplets to Advance New Materials for Applications	<b>Paul Bartlett (138)   Uni of Bristol</b> Direct Measurement of Sub-Debye-Length Forces between Charged Colloids
11.50 -12.10	<b>Tapas Sen (132)   Uni of Central Lancashire</b> Recent development of surface engineering of magnetic nanoparticles in suspension for applications in biosensors for Food and Water Technology	<b>Vera Meester (108)   Leiden Uni</b> Colloidal recycling: reconfiguration of random aggregates into patchy particles	<b>Peter Griffiths (215)   Uni of Greenwich</b> Influence of molecular structure on the interfacial assembly 1 of small molecule surfactant stabilised air-in-water foams	<b>David French (153)   Uni of Edinburgh</b> Creating Bridges between Droplets using Colloidal Rods
12.10-12.30	<b>Emily Guggenheim   Uni of Birmingham</b> Confocal and super-resolution reflectance imaging of intracellular metal oxide nanoparticles	<b>Stefano Sacanna   New York Uni</b> Patchy Particles via Cluster Fusion	<b>Alberto Striolo (8)   UCL</b> Multi-Scale Simulations Relevant for Emulsions	<b>Álvaro Gonzalez Garcia (147)   Eindhoven Uni of Technology</b> Phase behaviour of Hard-Core Yukawa spheres mixed with polymers
12.30 -13.30	Lunch			
13.30 -14.00	<b>K8 - Richard Tilley (42)   Uni of New South Wales</b> Solution Synthesis and electron microscopy characterization of metal nanoparticles for catalysts and biomedicine	<b>K10 - Qian Chen   University of Illinois at Urbana-Champaign</b> Surprises in Self-assembly Dynamics at the Nanoscale	<b>K12 - Kristian Waters   McGill Uni</b> The value of bubbles - floating metals and minerals	<b>Colloidal Suspensions</b>
14.00-14.20	<b>Lilin Wang (117)   UCL</b> Synergetic effect of multi-drug loaded magnetic liposome in Chemo-Thermotherapy	<b>Daniel Morphew (55)   Uni of Birmingham</b> Hierarchical Self-assembly of Colloidal Magnetic Particles into Reconfigurable Shells	<b>Invited* Valérie Ravaine (120)   Uni of Bordeaux</b> Mapping the 2D organization of microgels at liquid interfaces: model surfaces and emulsions	<b>Samuel Hare (109)   Uni of Bristol</b> Gels, Can They Handle the Heat? - The Temperature Dependence of Colloid-Polymer Gel Collapse
14.20 -14.40	<b>Alison Savage (150)   Uni of Liverpool</b> Long acting Injectable Formulations of Atovaquone for Malaria Prophylaxis	<b>John McBride   Uni of Manchester (13)</b> Phase behaviour and gravity-directed self-assembly of spherical caps	<b>Invited* Valérie Ravaine (120)   Uni of Bordeaux - continued</b>	<b>Joshua Willott (102)   Uni of Twente</b> Specific Ion Response of Polyelectrolyte Brushes Depends on Polymer and Anion Hydrophilicity
14.40 -15.00	<b>Pingyun Li (78)   UCL</b> Polymerized complex method for preparation of metallic and semiconductor Nanoparticles	<b>Szilard Fejer (46)   Provitam Foundation</b> Computational design of hierarchically self-assembling anisotropic colloidal building blocks	<b>Katy Dickinson (41)   Uni of Edinburgh</b> Soft meets hard - a microscopic view of the freeze-thaw stability of Pickering emulsions	<b>Lee Fielding (36)   Uni of Manchester</b> Determining the Effective Density and Stabilizer Layer Thickness of Sterically Stabilized Nanoparticles
15.00-15.20	<b>Natasha Logan   Queen University Belfast</b> The Size and Aggregation State of Gold Nanoparticles (AuNPs) and its Correlation with Peroxidase-like Activity for the Development of a Dual Colorimetric Assay	<b>Roberta Lanfranco (178)   Uni libre de Bruxelles</b> Optical methods to study the selective targeting of Large Uni-lamellar Vesicles with gold nano-particles using DNA	<b>Alison Paul (209)   Cardiff Uni</b> Volatile Fluorinated Nanoemulsions: A Chemical Route to Controlled Delivery of Inhalation Anaesthesia	<b>Remco Tuinier (139)   Eindhoven Uni of Technology</b> Depletion interaction in colloidal dispersions: controlled attractions?
15.20-15.40	Tea/Coffee break			
15.40 -16.00	<b>Invited* Swadeshmukul Santra (135)   Uni of Central Florida</b> Copper and Zinc based Bactericides/Fungicides for Crop Protection	<b>Samia Ouhajji (21)   Utrecht Uni</b> Chiral Colloids from Isotropic Spheres	<b>Andrea Celani (24)   Johnson Matthey</b> Hydrophobic Amino Acids as Amphiphiles in the Formulation of Ceramic Foams	<b>Nicholas Penfold (26)   Uni of Sheffield</b> Cross-Linked Cationic Diblock Copolymer Worms are Superflocculants for Micrometer-sized Silica Particles
16.00 -16.20	<b>Sharif Najafshirari (43)   Istituto Italiano di Tecnologia</b> Application of colloidal dumbbell-like nanocrystals for fundamental studies in heterogeneous catalysis	<b>Ross Jagers (107)   Uni of Warwick</b> Independent responsive behaviour and communication in hydrogel objects	<b>Zhaoliang Zheng (71)   Uni of Liverpool</b> Nanocarbon Materials Improve the Performance of Application of Phase Change Materials	<b>Francesca Waggett (72)   Uni of Bristol</b> Electrolyte-induced Attraction of Sterically Stabilised PMMA Particles in a Low Dielectric Solvent
16.20 -16.40	<b>Manuel Pedro Simplicio Grasiña (169)   Uni of Cardiff</b> Synthesis of Shape and Size Controlled Nanoparticles using Non-Conventional Approaches	<b>Zorana Zeravcic (28)   ESPCI</b> Spontaneous emergence of catalytic cycles with colloidal spheres	<b>Andrea Lotierzo (106)   Uni of Warwick</b> Pickering Emulsion Polymerization: a versatile tool for hybrid particle synthesis	<b>Peicheng Xu (152)   Uni of Cambridge</b> Liquid Crystalline Behaviour of Bio-Inspired Polymer-Clay Nano-Composites
16.40 - 17.00	<b>Invited* Fiorenzo Vetrone   Centre Énergie Matériaux Télécommunications, INRS, Canada</b> Near-Infrared Excited nanoplatfoms: Applications in Nanomedicine	<b>Giorgio Volpe (87)   UCL</b> Controlling the collective dynamics of active colloidal crowds	<b>Ryo Murakami (111)   Konan Uni</b> Liquid beads: one-pot preparation of an abundant amount of armoured liquid drops	<b>Ben Erré (61)   Utrecht Uni</b> Charge Sensor for Colloids, Proteins, and Polyelectrolytes
17.00 - 17.20	<b>Chenjie Xu   Nanyang Technological Uni</b> Nanoparticles for tissue engineering	<b>Martin Buzza (140)   Uni of Hull</b> Using magnetic cylindrical particles at liquid interfaces to create switchable colloidal monolayers	<b>Ravinder Multani (171)   McGill University</b> Amyl Xanthate Adsorption Studies onto Pyrrhotite (Fe(1-x)S) Polymorphs in Neutral to Alkaline pH	<b>Amin Pourmohammadbagher (125)   Uni of Alberta</b> Displacement of Water from Clays by Hydrocarbons
17.20 -18.45	Change for dinner			
18.45 -19.15	Transport departs from Bridgewater Hall (See map)			
19.30 - 22.00	Drinks reception from 19:00 followed by dinner at 20:00			

**Wednesday**

08.00 - 08.50	Registration		
<b>Charter One</b>			
08.50-09.00	Daily update - Richard Greenwood		
9.00 - 9.50	Plenary 3 - Debora Berti   University of Florence Multifunctional Architectures based on Lipid Assemblies and Magnetic Nanoparticles		
10.00 - 10.30	<b>Charter One</b> <b>Wetting</b> <b>K15 - Robert Style   ETH Zürich</b> Growing colloids via phase separation in elastic networks	<b>Charter Two</b> <b>Formulation Science &amp; Engineering</b> <b>K16 - Martin Murray   AkzoNobel</b> Commercially important aspects of drying dynamics in decorative coatings	<b>Charter Three</b> <b>Biocolloids &amp; Biointerfaces</b> <b>K17 - Gleb Sukhorukov   Queen Mary University of London</b> Multifunctional Micro- and Nanoencapsulation technology with Remote Controlled Delivery and Release of various cargos
10.30 - 10.50	<b>Eftychios Hadjittofis (53)   ICL</b> The importance of spreading pressure on adsorption based surface energy measurements; the case of IGC	<b>Emily Summerton (4)   Uni of Birmingham</b> Low temperature stability of surfactant systems	<b>David Fairhurst (34)   Colloids Consultants</b> Physico-chemical Investigation of Cellulose Nanocrystal (CNC) materials using NMR relaxation
10.50 - 11.10	Tea/Coffee break - closing of poster voting		
11.10 - 11.30	<b>Manish Tiwari (134)   UCL</b> Simple spray coated nanocomposite superhydrophobic coatings using environmentally benign chemicals	<b>Tai Bui (17)   UCL</b> Structure-Function Relation in Anti-Agglomerants	<b>Olivia Pabois (66)   Kings College London</b> Understanding the interfacial behaviour of bile salts to better engineer lipid emulsions
11.30 - 11.50	<b>Tommy Horozov (77)   Uni of Hull</b> Wetting and bio-fouling of porous coatings impregnated with oil	<b>Olivier Cayre (170)   Uni of Leeds</b> Developing impermeable microcapsules and remote delivery of small actives	<b>Christopher Blanford (95)   Uni of Manchester</b> Optimizing mass-specific enzyme activity by combining electrochemical quartz crystal microbalance and dual polarization interferometry analyses
11.50 - 12.10	<b>Shad Siddiqui (90)   InnoTech Alberta</b> Highly non-Wetting, Low Energy Surfaces for High-Temperature Oil-Water Applications	<b>Niall Thomson (52)   Syngenta</b> Improving agrochemical activity through surfactant science	<b>Toshiyuki Nomura (158)   Osaka Prefecture Uni</b> Preparation of PLGA microcapsules for biological applications
12.10 - 12.30	<b>Maryam Derkani (118)   Uni of Strathclyde</b> Understanding the colloidal interactions at oil/rock interfaces	<b>Yogeshe Harshe (130)   Nestle</b> Impact of microstructure on the oil migration in two-layered confectionery products	<b>Alessandro Gulotta (126)   Uni of Leeds</b> Solvency Effects on Biopolymer Interactions in Pectin Gels
12.30 - 12.50	<b>Suparit Tangparitkul (172)   Uni of Leeds</b> Insights into Thermal EOR: the dewetting dynamics of heavy oil	<b>Dmytro Stratiychuk-Dear (20)   University of Birmingham</b> The importance of particle shape and size in mixing of thermoplastic composites	<b>Myriam Grundy (37)   Institute of Food Research</b> Impact of oat constituents on the lipolysis process
12.50 - 14.00	Lunch - removal of posters		
<b>Charter One</b>			
14.00 - 14.50	Graham Medal Lecture - Joseph Keddie   Uni of Surrey Stratification in Films of Binary Colloidal Mixtures		
14.50 - 15.10	<b>Charter One</b> <b>Colloidal Suspensions</b> <b>Mostafa Barigou (81)   Uni of Birmingham</b> Microfluidic generation of bulk nanobubbles and their colloidal stability	<b>Charter Two</b> <b>Colloidal Physics</b> <b>Alessandro Patti (88)   Uni of Manchester</b> Phase behaviour of hard colloidal board-like particles	<b>Charter Three</b> <b>General Session</b> <b>Anna Slastanova (182)   Uni of Bristol</b> Centipede and comb polymers at air-water interface
15.10 - 15.30	<b>Dmitry Shchukin (54)   Uni of Liverpool</b> Nanoencapsulation of crystallohydrates for energy storage	<b>Jun Dong (156)   Uni of Bristol</b> Local Structural Characterisation in Emulsion Gels	<b>Benjamin Thompson (217)   Uni of Hull</b> Microstructure, mechanical and thermal insulating properties of hierarchically porous composites fabricated by hydrogel templating and viscous trapping techniques
15.30-15.50	<b>Daniele Vigolo (175)   Uni of Birmingham</b> Continuous Isotropic-Nematic Transition in Amyloid Fibril Suspensions Driven by Thermophoresis	<b>Alican Gençer (157)   KU Leuven</b> Control of the deposition and the optical properties of cellulose nanocrystal films	
<b>Charter One</b>			
15.50 - 16.00	Closing and poster prizes - Richard Greenwood		