

Scientific Programme – 4–6 April 2023

Tuesday, 4.4.2023

11.00-13.00 Registration

Chair: Clara López Iglesias

12.50-13.00		Welcome remarks
13.00-13.20	Jessica Bauhof	Aqueous self-assembly of 1-alkyl-3-methylimidazolium carboxylates, a new type of catanionic surface active ionic liquids
13.20-13.40	Tim Stank	Aescin-induced temperature-dependent self-assembly of lipid bicelles
13.40-14.00	Ronald Marquez	Solvent effect on asphaltene flocculation: insights of solubility from Static Multiple (SMLS) and Dynamic (DLS) Light Scattering
14.00-14.45	Anne-Laure Fameau	<i>Back to the Future: fatty acids, the green genie to design smart soft materials</i>

Coffee Break

Chair: Anne-Laure Fameau

15.20-15.40	Albert Prause	Improving the rheological properties of microemulsion droplets using thermoresponsive block copolymers
15.40-16.00	Christian Strauch	Ionisation and swelling behaviour of weak polyampholyte core-shell networks – a Monte Carlo study
16.00-16.20	Vanessa Rosciardi	Novel PVA-hydantoin and its stable embedding in biocidal cryogels exploiting phase-separation
16.20-16.40	Clara López Iglesias	A versatile synthetic platform for amphiphilic nanogels: tailoring network hydrophobicity to biomedical applications
16.40-17.00	Adrià Perez Calm	Hydrogels and water-in-water emulsions from chiral chromonic liquid crystals
17.00-17.20	Tom Höfken	Why do hollow microgels suppress crystallization? – A simulation study

Poster Session

Wednesday, 5.4.2023

Chair: Vanessa Rosciardi

9.00-9.45	Martin Haase	<i>Particle stabilized bicontinuous emulsions: basic science for sustainable materials</i>
9.50-10.10	Martin Bick	Nanoparticles/microgel hybrids as catalytically active Pickering-emulsifier
10.10-10.30	Ruiguang Cui	Amphiphilic nanogels as versatile stabilizers for Pickering emulsions

Coffee Break

Chair: Martin Haase

11.00-11.20	Helena Mateos	Unusual gold nanoparticle-antibody interactions
11.20-11.40	Joanna Mikolei	Introducing nanoscale pores into complex hierarchical materials by using sol-gel chemistry and evaporation induced self-assembly
11.40-12.00	Bogdan Parakhonskiy	Bioceramic nano- and microparticles as components in tissue engineering
12.00-12.20	Mert Acar	How salts affect the activity of urease

12.20-12.40	Tomas Omasta	Enhanced solubilization of fragrances in solutions of sugar surfactants in mixtures of deep eutectic solvents (NADES) and water
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Lunch Break

Chair: Lukas Hauer

14.00-14.45	Dominik Horinek	<i>Ion effects in colloidal science - beyond simple electrostatics</i>
14.50-15.10	Robert Schmidt	Origin of the shift between macro- and microrheology
15.10-15.30	Elisa Ballin	Dynamic light scattering, rheology and simulations of Interpenetrating network microgels
15.30-15.50	Bradley Frank	Programmable morphology-determined total internal reflection of light by multi-phasic colloids

Coffee Break

Chair: Dominik Horinek

16.20-16.40	Philipp Ritzert	Polymer brush/gold nanoparticle composite materials: controlling the structure of components and composite with ion-specific effects
16.40-17.00	Jasmin Simons	Tailoring non-ionic microgel swelling by nano-ion binding
17.00-17.20	Lukas Hauer	Phase separation in wetting ridges of sliding drops on soft and swollen surfaces
17.20-17.40	Evdokia Stefanopoulou	Gelatin methacryloyl and dextran aqueous two-phase systems: a journey from solution to hydrogel state
17.40-18.00	Rene Steinbrecher	Azobenzene functionalized, multi-responsive polymers: exploring (counter-) intuitive cloud point shifts

19.00 Conference Dinner

Thursday, 6.4.2023

Chair: Oren Regev

9.00-9.20	Philipp Groppe	Supraparticles on beads for supported catalytically active liquid metal solutions – the SCALMS suprabead concept
9.20-9.40	Julian Ringling	Drying of monolayers of core-shell microgels
9.40-10.00	Andreas Wolf	Magnetic in situ determination of surface coordination motifs by utilizing the degree of particle agglomeration
10.00-10.20	Vahan Abgarjan	Influence of uniaxial compression on soft colloidal monolayer
10.20-10.40	Cassia Lux	From cellulose model surfaces to elastic papers

Coffee Break

Chair: Cassia Lux

11.10-11.30	Martin Wittmann	Synthesis of micro rods and observation of rolling motion
11.30-11.50	Oren Regev	Trapped and alone: clay-assisted aqueous graphene dispersions
11.50-12.10	Yael Rodriguez	A straightforward strategy to construct molybdenum nitride nanoparticles as advanced sulfur host for Li-S batteries
12.10-12.30		Poster prizes and closing remarks