

SCS Fall Meeting 2022

September 8, 2022 – 08.30-18.30h
Irchel Campus, University of Zurich

Polymers, Colloids & Interfaces – G55

 **BASF**
We create chemistry

Morning Session, Chair: Dr. Dorina Opris

- 10:45 Leak-tight Anastomosis Hydrogel Sealants using Mutually Interpenetrating Networks [PI-011]
Alexandre Anthis, ETH Zurich
- 11:15 Recycling of Waste Polypropylene into high-value Liquid Hydrocarbons [PI-013]
Shibashish Devidutta Jaydev, ETH Zurich
- 11:30 Colloidal Synthesis of Size and Composition controlled alloy Nanocrystals as Selective Alkyne semihydrogenation Catalysts [PI-014]
Jasper Clarysse, ETH Zurich
- 11:45 Increasing the Coverage of Photoactive Ligands on the Surface of Nanocrystals through a hybrid metal-oxide-Ligand Shell [PI-015]
Philippe B. Green, EPFL Valais
- 12:00 Self-assembly of Lead halide Perovskite Nanocubes into Multicomponent Nanocrystal Superlattices [PI-016]
Ihor Cherniukh, ETH Zurich
- 12:15 Order and Disorder in inverse Opals [PI-017]
Jansie Smart, University of Fribourg

Afternoon Session, Chair: Dr. Paolo Arosio

- 14:30 Creating chemistry for a sustainable future in a world of change [PI-021]
Olivier Enger, BASF Schweiz AG
- 15:00 Transformer-Induced Metamorphosis of Polymeric Nanoparticle Shape at Room Temperature [PI-023]
Kostas Parkatzidis, ETH Zurich
- 15:15 Mechanically morphing Polymer Systems [PI-024]
Livius Fredy Muff, Adolphe Merkle Institute, University of Fribourg
- 15:30 Interfacial Rheology of Particles with Matching Convex and Concave Asperities [PI-025]
Lukas Andreas Woolley, ETH Zurich
- 15:45 Lipidic based-gel with tunable Release Properties as a Platform for local Delivery of Biotherapeutics [PI-026]
Simone Aleandri, University of Bern
- 16:00 Clusters of Hard-Soft Assembly for Bio-Applications [PI-027]
Voichita Mihali, University of Basel



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