

# ECIS 2023

37<sup>th</sup> European Colloid and Interface

Society Conference

3<sup>rd</sup> – 8<sup>th</sup> September 2023

Naples – Italy

**Scientific Program**



# Thematic Sessions

<b>Amphiphiles and Self-Assembly</b>
<b>Bio-interfaces, Drug Delivery and Nanomedicine</b>
<b>Colloids for Analytics</b>
<b>Cultural Heritage and Environment</b>
<b>Emulsions and Foams</b>
<b>Energy and Photonics</b>
<b>Food Science and Technology</b>
<b>Nanoparticles, Nanocomposites, Nano-and Micro-Structured (Bio)Materials</b>
<b>Polymers, Polyelectrolytes, Gels, Liquid Crystals, and Anisotropic Fluids</b>
<b>Rheology and Phase Behavior of Colloids and Complex Fluids</b>
<b>Surface Forces and Thin Films</b>
<b>Theory, Modelling and Simulation of Colloidal Systems</b>
<b>Wetting and Capillarity</b>

# Scientific Program

PL = plenary lecture

OP = oral presentation

KP = keynote presentation

AT = award talk

Monday 4 <sup>th</sup> September	Tuesday 5 <sup>th</sup> September	Wednesday 6 <sup>th</sup> September	Thursday 7 <sup>th</sup> September	Friday 8 <sup>th</sup> September
8:30 - 8:50 Welcome ceremony	8:30-9:20 PL	8:30 - 9:20 PL	8:30-9:20 PL	8:30 - 9:20 AT
8:55 - 9:45 PL	9:25 - 9:55 KP (1x4)	9:25 - 9:55 KP (1x4)	9:25 - 9:55 KP (1x4)	9:25 - 9:55 KP (1x4)
9:45 - 10:15 KP (1x4)	9:55 - 10:15 OP (1x4)	9:55 - 10:15 OP (1x4)	9:55 - 10:15 OP (1x4)	9:55 - 10:15 OP (1x4)
10:15 - 10:45 Coffee Break	10:15 - 10:45 Coffee Break	10:15 - 10:45 Coffee Break	10:15 - 10:45 Coffee Break	10:15 - 10:45 Coffee Break
10:45 - 12:45 OP (6x4)	10:45 - 12:45 OP (6x4)	10:45 - 12:05 OP (4x4)	10:45 - 12:45 OP (6x4)	10:45 - 11:25 OP (2x4)
12:45 - 14:10 Lunch	12:45 - 14:10 Lunch	12:05 - 12:55 PL	12:45 - 14:10 Lunch	11:25-12:15 AT
14:10 - 14:40 KP (1x4)	14:10 - 14:40 KP (1x4)	13:00 Lunch and Social Trip	14:10 - 14:40 KP (1x4)	12:15 - 12:45 Closing & Prizes
14:40 - 16:20 OP (5x4)	14:40 - 16:20 OP (5x4)		14:40 - 16:20 OP (5x4)	
16:20 - 16:50 Coffee Break	16:20 - 16:50 Coffee Break		16:20 - 16:50 Coffee Break	
16:50 - 18:10 OP (4x4)	16:50 - 18:10 OP (4x4)		16:50 - 18:50 General Assembly	
18:10 - 19:30 Poster session I	18:10 - 19:30 Poster session II		19:00 Social Dinner	

TIME	Monday 4 <sup>th</sup> September 2023	
8:30 - 8:45	<b>Welcome ceremony</b> Room Galatea	
8:50 - 9:40	<b>Plenary Lecture: Werner Kunz</b> <b>“Solvents and Solutions for a More Sustainable Future”</b> Chair: Epameinondas Leontidis      Room Galatea	
9:45 - 12:45	Room Galatea <b>Nanoparticles, Nanocomposites, Nano- and Micro-Structured (Bio)Materials</b> Chair: Epameinondas Leontidis	Room Dione/Elettra <b>Amphiphiles and Self- Assembly</b> Chair: Franziska Gröhn
9:45 – 10:15	<b>Keynote presentation</b> Influence of the graft length on nanocomposite structure and interfacial dynamics  <b>Julian Oberdisse</b>	<b>Keynote presentation</b> Polymer micelles, worms, and hollow spheres under confinement and shear: Surface forces, friction, and nanomechanics  <b>Wuge H. Briscoe</b>
10:15 - 10:45	<b>Coffee Break</b>	
10:45 - 11:05	Bicontinuous cubic liquid crystalline nanoparticles for anticancer PDT  <b>Sergio Murgia</b>	Electrically      conductive hydrogels from bio-based amphiphiles  <b>Korin Gasia Ozkaya</b>
11:05 - 11:25	Self-assembled lipid- nanoparticles hybrids to build up biocompatible functional materials  <b>Costanza Montis</b>	Amphiphile self-assembly in nanostructured ionic liquids and hybrid solvents  <b>Gregory G. Warr</b>

Monday  
4<sup>th</sup> September 2023



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8:30 - 8:45	Welcome ceremony Room Galatea	
8:50 - 9:40	Plenary Lecture: Werner Kunz "Solvents and Solutions for a More Sustainable Future" Chair: Epameinondas Leontidis Room Galatea	
9:45 - 12:45	Room Agave <b>Cultural Heritage and Environment</b>  Chair: Piero Baglioni	Room Calipso <b>Wetting and Capillarity</b>  Chair: Stefano Guido
9:45 - 10:15	<b>Keynote presentation</b> Physicochemical aspects of fibroin-nanocellulose composites for the consolidation of silk  <b>Giovanna Poggi</b>	<b>Keynote presentation</b> Controlling hydrophilic microenvironment of electrodes for gas-involving electrochemical reactions  <b>Jungki Ryu</b>
10:15 - 10:45	<b>Coffee Break</b>	
10:45 - 11:05	To the energetics estimation of U(VI) integration in natural intrinsic colloids  <b>Diane Rebiscoul</b>	Self-generated electrostatic forces of drops rebounding from hydrophobic surfaces  <b>Diego Díaz</b>
11:05 - 11:25	Methacrylated gellan gum-based cleaning systems for conservation of paper material  <b>Leonardo Severini</b>	Extracting oil from an oil and water mixture by using their different wetting properties via the Acoustowetting phenomenon  <b>Gideon Onuh</b>

9:45 - 12:45	<b>Room Galatea</b> <b>Nanoparticles, Nanocomposites, Nano- and Micro-Structured (Bio)Materials</b> Chair: Epameinondas Leontidis	<b>Room Dione/Elettra</b> <b>Amphiphiles and Self-Assembly</b> Chair: Franziska Gröhn
11:25 - 11:45	Nanotechnology-powered approaches against antimicrobial resistance <b>Paunov Vesselin</b>	Understanding molecular interactions at the hair surface - a cosmetic perspective <b>Serena Cozzolino</b>
11:45 - 12:05	Highly efficient and switchable chirality—transferring between protein and achiral plasmonic assemblies <b>Ziwei Zhou</b>	Cold atmospheric pressure plasma mediated formation of supramolecular structures from A $\beta$ peptide-KLVFFA as bio-molecular scaffolds <b>Deepjyoti Basumatary</b>
12:05 - 12:25	Roughness induced rotational slowdown near the colloidal glass transition <b>Michael Duits</b>	Employing 'chain splay' calculations to probe molecular level changes in the lipid phase behaviour <b>Chandrashekhar V. Kulkarni</b>
12:25 - 12:45	Nanofiber-based ultrasensitive biosensing for deep-Sea bioprospecting <b>Shigeru Deguchi</b>	Kinetics of adsorption of volatile amphiphiles and subsequent desorption from saturated water drop to the air <b>Ralitsa Uzunova</b>
12:45 - 14:10	<b>Lunch</b>	

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9:45 - 12:45	<p>Room Agave <b>Cultural Heritage and Environment</b></p> <p>Chair: Piero Baglioni</p>	<p>Room Calipso <b>Wetting and Capillarity</b></p> <p>Chair: Ofer Manor</p>
11:25 - 11:45	<p>Cellulose and silica – an effective combination in preventive conservation</p> <p><b>Romain Bordes</b></p>	<p>Interface analysis of solid surface/ice by freezing X-ray Computed Tomography (XCT)</p> <p><b>Laurens Snels</b></p>
11:45 - 12:05	<p>Inorganic and hybrid nanostructured materials as adsorbents and enzyme supports for removal and detection of water pollutants</p> <p><b>Andrea Salis</b></p>	<p>Surface and bulk mechanisms in repeating washing with purified water grades</p> <p><b>Andriani Tsompou</b></p>
12:05 - 12:25	<p>Formulation of nanostructured composites for the consolidation and protection of Street Art</p> <p><b>Chiara Cianci</b></p>	<p>The wetting behavior of condensed water droplets on hydrophobic surfaces with single-scale and dual-scale surface roughness</p> <p><b>Chi-Chun Lo</b></p>
12:25 - 12:45	<p>Hybrid organic/inorganic castor oil-derived polyurethanes as acetic acid absorbers in art preventive conservation</p> <p><b>David Chelazzi</b></p>	<p>Viscosity-enhanced droplet motion in confined geometries</p> <p><b>Maja Vuckovac</b></p>
12:45 - 14:10	<b>Lunch</b>	

TIME	Monday 4 <sup>th</sup> September 2023	
14:10 – 18:30	<b>Nanoparticles, Nanocomposites, Nano- and Micro-Structured (Bio)Materials</b>  Chair: Emiliano Fratini	Room Dione/Elettra <b>Amphiphiles and Self- Assembly</b>  Chair: Romain Bordes
14:10 - 14:40	<b>Keynote presentation</b> Quantification of surfactant self-assembled structures in confinement  <b>Alberto Striolo</b>	<b>Keynote presentation</b> How stable are ester surfactants?  <b>Krister Holmberg</b>
14:40 - 15:00	Thermoplasmonic gold nanorod composite hydrogel stimulates engineered living materials  <b>Selim Basaran</b>	Uncommon phase behaviour and structures induced by addition of cosurfactant to nonionic micelles – rodlike assembly of small micelles  <b>Michael Gradzielski</b>
15:00 - 15:20	Continuous manipulation and characterization of colloidal beads and liposomes via diffusiophoresis in single- and double-junction microchannels  <b>Adnan Chakra</b>	Superparamagnetic colloids: formation and dynamics of chains and disk-like clusters under external magnetic fields  <b>Florence Mignolet</b>
15:20 - 15:40	Laser-induced self-organized nano- and microstructures for biomimetic surfaces  <b>Georg Schnell</b>	Probing properties of green surfactant-based formulation by combining scattering and rheology: the case study of alkanoyl methyl glucamides  <b>Davide Schirone</b>



Monday  
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TIME	Monday 4 <sup>th</sup> September 2023	
14:10 – 18:30	<p>Room Agave <b>Bio-interfaces, Drug Delivery and Nanomedicine</b></p> <p>Chair: Wuge H. Briscoe</p>	<p>Room Calipso <b>Polymers, Polyelectrolytes, Gels, Liquid Crystals, and Anisotropic Fluid</b></p> <p>Chair: Julian Oberdisse</p>
14:10 - 14:40	<p><b>Keynote presentation</b> Boosting the Ouzo effect: the interplay of hydrodynamics and nanoprecipitation</p> <p><b>Kevin Roger</b></p>	<p><b>Keynote presentation</b> Anisotropic microgels by assembly-guided polymerization of functional monomers</p> <p><b>Andrij Pich</b></p>
14:40 - 15:00	<p>Sugar-sugar and sugar-aminoacid interaction in model membranes</p> <p><b>Paola Brocca</b></p>	<p>The characteristics of lipid liquid crystalline phase change with addition of water</p> <p><b>Jenni Engstedt</b></p>
15:00 - 15:20	<p>The role of membrane features on the permeability behavior of polymersomes and the potential impacts on drug encapsulation and release</p> <p><b>Fernando C. Giacomelli</b></p>	<p>Use of polyelectrolyte coating to achieve constant zeta potential and diffusiophoretic behaviour</p> <p><b>Burak Akdeniz</b></p>
15:20 - 15:40	<p>Molecular mechanisms of 'Kyu-Kyu': interactions between surfactants and the stratum corneum model</p> <p><b>Charlotte Kenton</b></p>	<p>Chiral interactions and assembly of cellulose nanocrystals mesophase</p> <p><b>David Attia</b></p>

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15:40 - 16:00	Real-time light transmission spectroscopy: quantitative time-resolved investigation of colloidal aggregation dynamics  <b>Claudia Fasolato</b>	The effect of salts on the nanostructure of SLES aqueous solutions observed by Cryo-TEM  <b>Sapir Lifshiz-Simon</b>
16:00 - 16:20	Formation of modified chitosan/carrageenan multilayers at silica  <b>Agata Pomorska</b>	
16:20 – 16:50	<b>Coffee Break</b>	
16:50 - 17:10	N-heterocyclic carbene as robust and conductive linkages to coupling gold nanoparticles and conductive polymers  <b>Ningwei Sun</b>	Structural elucidation of hydrogen-bonding rich nonaqueous crystalline gels under external stimuli using rheo-SAXS  <b>Lauren Matthews</b>
17:10 - 17:30	Particle self-assembly into plasmonic structures and their immobilization at an oil-water interface  <b>Jacob Gordon</b>	What happens when micelles cannot grow into cylinders if bicelles cannot grow into lamellar phase  <b>Thomas Zemb</b>

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15:40 - 16:00	Biodegradable, self-assembled polyphosphoester colloids for <sup>31</sup> P magnetic resonance imaging and theranostics  <b>Olga Koshkina</b>	Enhancing battery performance by using catecholic polymer binders  <b>Dong Woog Lee</b>
16:00 - 16:20	Protein assemblies tuned with nano-ions  <b>Ioanna Chazapi</b>	Modeling elastic papers using cellulose surfaces and functionalized soft particles  <b>Cassia Lux</b>
16:20 - 16:50	<b>Coffee Break</b>	
16:50 - 17:10	Unfolding and refolding of albumin induced by a time-programmable dissipative pH-jump  <b>Alessandra Del Giudice</b>	Simultaneously transporting oppositely charged peptides in polyampholyte nanogel-in-microgel colloids  <b>Hannah Felicitas Mathews</b>
17:10 - 17:30	Harnessing lipidic mesophases to treat inflammation in ulcerative colitis  <b>Simone Aleandri</b>	Coarse-grained model of polyelectrolyte complex for sequestration of small ions, weak acids and bases  <b>Peter Kořovan</b>

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17:30 - 17:50	Film formation kinetics of small rubber particles from Hevea latex in their hydrated state at the air- liquid interface. <b>Marion Baudoin</b>	Hydrotrope or surfactant? Citric acid structuring effect in water/2-butanol mixtures <b>Vanessa Rosciardi</b>
17:50 - 18:10	Hygromechanical properties of enzymatically digested cotton-based nanocellulose with modified wetting properties <b>Diego Jaramillo-Pinto</b>	Efficiency of encapsulation in lipid sponge phase: effect of protein specific interactions <b>Jennifer Gilbert</b>
18:10 – 19:30	<b>Poster session</b>	

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17:30 - 17:50	Polystyrene perturbs the structure, dynamics, and mechanical properties of lipid membranes  <b>Elena Del Favero</b>	Effects of the macroinitiator molar mass on the structural properties of pHEMA/PAA hydrogels  <b>Teresa Guaragnone</b>
17:50 - 18:10	Cell interactions with lipid-based nanoparticles possessing different internal nanostructures: liposomes, cubosomes, hexosomes, and micellar cubosomes  <b>Sue Lyn Yap</b>	Modeling the adsorption of copolymers on heterogeneous surfaces and the stability of polymer coatings for cosmetic applications  <b>Irene Adroher-Benitez</b>
18:10 – 19:30	<b>Poster session</b>	

<b>TIME</b>	<b>Tuesday 5<sup>th</sup> September 2023</b>	
8:30 - 9:20	<b>Plenary Lecture: Uri Banin</b> <b>“Colloidal Semiconductor Nanocrystals: From Artificial Atoms to Artificial Molecules”</b> Chair: Gerardino D’Errico Room Galatea	
9:25 - 12:45	Room Galatea <b>Nanoparticles, Nanocomposites, Nano- and Micro-Structured (Bio)Materials</b> Chair: Gerardino D’Errico	Room Dione/Elettra <b>Food Science and Technology</b> Chair: Andrij Pich
9:25 – 9:55	<b>Keynote presentation</b> Ultrasmall multi-metal-gold alloy nanoclusters: advanced materials for concurrent imaging and light triggered photodynamic therapy <b>Sourov Chandra</b>	<b>Keynote presentation</b> Chitosan coated alginate microgels interfacial properties vs emulsion stability and perspectives for applications in food <b>Eleni Kalogianni</b>
9:55 – 10:15	Synthesis, structure, and gelling power of $\gamma$ -In <sub>2</sub> S <sub>3</sub> nanoribbons with large aspect ratio <b>Lilian Guillemeny</b>	On the structural changes of edible oils by using enzymes to control the functional properties <b>Tommy Nylander</b>
10:15 - 10:45	<b>Coffee Break</b>	
10:45 - 11:05	The role of ionic surfactants in the exfoliation and stabilization of 2D nanomaterials: the case of transition metal dichalcogenides <b>Eduardo F. Marques</b>	An in-situ ATR spectroscopy study of the interaction of Acacia gum with gold nanoparticles films at the solid-liquid interface <b>Athénaïs Davantès</b>
11:05 - 11:25	Templated self-assembly of transient branched Au nanoshells <b>Claudia Pigliacelli</b>	Nanostructure formation in tailor-made buriti oil emulsion during simulated digestion <b>Rafael V. M. Freire</b>

Tuesday  
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8:30 - 9:20	<p align="center"><b>Plenary Lecture: Uri Banin</b>  <b>“Colloidal Semiconductor Nanocrystals:  From Artificial Atoms to Artificial Molecules”</b></p> <p>Chair: Gerardino D’Errico <span style="float:right">Room Galatea</span></p>	
9:25 - 12:45	<p align="center">Room Agave  <b>Rheology and Phase  Behavior of Colloids and  Complex Fluids</b></p> <p>Chair: George Petekidis</p>	<p align="center">Room Calipso  <b>Emulsions and Foams</b></p> <p>Chair: Thomas Zemb</p>
9:25 – 9:55	<p align="center"><b>Keynote presentation</b>  Modulating surfactant  bilayer thickness and  bending rigidity</p> <p align="center"><b>Luigi Gentile</b></p>	<p align="center"><b>Keynote presentation</b>  Chromonic liquid crystal  emulsions</p> <p align="center"><b>Carlos Rodriguez-Abreu</b></p>
9:55 – 10:15	<p>Influence of uniaxial  compression on soft  colloidal monolayer</p> <p align="center"><b>Vahan Abgarjan</b></p>	<p>Neutron Reflectivity studies  of protein adsorption at  oil/water interfaces</p> <p align="center"><b>Mario Campana</b></p>
10:15 - 10:45	<b>Coffee Break</b>	
10:45 - 11:05	<p>The yielding transition in  soft amorphous solids  under oscillatory shear:  from microscopic  rearrangements to  macroscopic failure</p> <p align="center"><b>Matteo Brizioli</b></p>	<p>Pickering emulsions  stabilized by differently  charged particles</p> <p align="center"><b>Mathis Benyaya</b></p>
11:05 - 11:25	<p>Fast microfluidic osmotic  compression with in  operando mesostructure  characterization by SAXS</p> <p align="center"><b>Martine Meireles</b></p>	<p>Acousto-responsive  microgels at an oil/water  interface</p> <p align="center"><b>Amin Rahimzadeh</b></p>

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9:25 - 12:45	Room Galatea <b>Nanoparticles, Nanocomposites, Nano- and Micro-Structured (Bio)Materials</b> Chair: Gerardino D'Errico	Room Dione/Elettra <b>Food Science and Technology</b> Chair: Andrij Pich
11:25 – 11:45	Antimicrobial efficiency – sustained and triggered release by microencapsulation  <b>Lars Evenäs</b>	Emulsions stabilized by plant proteins for the encapsulation and delivery of bioactive compounds in foods  <b>Aris Xenakis</b>
11:45 – 12:05	Fully biodegradable cubosome  <b>Suna Azhdari</b>	Correlation of free fatty acid composition to self- assembled mesophase structure of bovine milk and plant emulsions during digestion  <b>Peter Meiland</b>
12:05 - 12:25	Tannin-furan and lignin- furan based foams for insulation and wastewater treatment  <b>Hugo Duarte</b>	Unravel the mechanism of the fibrous structure formation in plant-based meat alternatives (PBMA's) via neutron and X-ray scattering tools  <b>Tong Guan</b>
12:25 - 12:45	Understanding the interface between nanoparticles and gut bile molecules  <b>Shinji Kihara</b>	Re-assembly of sodium caseinate into casein micelles: towards cheese- making  <b>Teng Wang</b>
12:45 – 14:10	<b>Lunch</b>	



Tuesday  
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9:25 - 12:45	Room Agave <b>Rheology and Phase Behavior of Colloids and Complex Fluids</b>  Chair: George Petekidis	Room Calipso <b>Emulsions and Foams</b>  Chair: Thomas Zemb
11:25 – 11:45	From waste treatment to water treatment: phase behaviour of humic acid - quaternised chitosan complexes  <b>Mingyu Yuan</b>	Pickering emulsions stabilized by cellulose nanocrystals: elaboration and characterization of capsules from their polymerization  <b>Véronique Schmit</b>
11:45 – 12:05	Self-propelled motion of electrically driven Janus particles in complex fluids  <b>Keita Saito</b>	
12:05 - 12:25	Particle amphiphilicity, capillary interactions, and interfacial microstructure  <b>Sepideh Razavi</b>	Droplet dynamics and emulsion ageing in microgravity by DWS experiments onboard the International Space Station  <b>Valentina Lorusso</b>
12:25 - 12:45	Twin-chain networks with tailored pores: a non-linear rheology characterization  <b>Rosangela Mastrangelo</b>	Surface-engineered nanocellulose as kinetic stabilizer of multiphase systems  <b>Caio Otoni</b>
12:45 – 14:10	<b>Lunch</b>	

TIME	Tuesday 5 <sup>th</sup> September 2023	
14:10 – 18:30	Room Galatea <b>Amphiphiles and Self-Assembly</b>  Chair: Maura Monduzzi	Room Dione/Elettra <b>Bio-interfaces, Drug Delivery and Nanomedicine</b>  Chair: Aris Xenakis and Eleni Kalogianni
14:10 - 14:40	<b>Keynote presentation</b> Photoacids for light-triggerable self-assembly  <b>Franziska Gröhn</b>	<b>Keynote presentation</b> Lipidic drug delivery systems: is the microbiome a cause for concern?  <b>Wye Khay Fong</b>
14:40 - 15:00	Self-assembly behavior in systems containing alkyl imidodipropionate and glutamate diacetate  <b>Josmary Velásquez</b>	Improving the treatment of Mycobacterium abscessus infections by mucoadhesive $\epsilon$ -polylysine coated liposomes  <b>Simona Sennato</b>
15:00 - 15:20	Urea induces (unexpected) formation of lamellar gel-phase in low concentration of cationic surfactants  <b>Edvaldo Sabadini</b>	Poly (diglycerol adipate) variants as enhanced nanocarrier replacements in drug delivery applications  <b>Vincenzo Taresco</b>
15:20 - 15:40	Incorporation of short-chain alcohols into fluid bilayers and its effect on membrane dynamic properties as seen by neutron scattering  <b>Fernanda Alvarado Galindo</b>	Design of biopolymer-lipid hybrid nanocarriers for the delivery of cancer drugs  <b>Banu Iyisan</b>

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14:10 – 18:30	<p style="text-align: center;">Room Agave <b>Nanoparticles, Nanocomposites, Nano- and Micro-Structured (Bio)Materials</b></p> <p style="text-align: center;">Chair: Lars Evenäs</p>	<p style="text-align: center;">Room Calipso <b>Polymers, Polyelectrolytes, Gels, Liquid Crystals, and Anisotropic Fluid</b></p> <p style="text-align: center;">Chair: Uri Banin</p>
14:10 - 14:40	<p style="text-align: center;"><b>Keynote presentation</b></p> <p>Enhanced adsorption of epoxy-functional nanoparticles onto stainless steel significantly reduces friction in tribological studies</p> <p style="text-align: center;"><b>Steve Armes</b></p>	<p style="text-align: center;"><b>Keynote presentation</b></p> <p>Smart microgel based membranes for electrochemical devices and catalysis</p> <p style="text-align: center;"><b>Thomas Hellweg</b></p>
14:40 - 15:00	<p>Writing in water</p> <p style="text-align: center;"><b>Marcus Witt</b></p>	<p>Integrated FRET messengers for spatially resolving polymer material properties and processes</p> <p style="text-align: center;"><b>Quinn A. Besford</b></p>
15:00 - 15:20	<p>Self-assembly of colloidal liquid crystals under acoustic levitation</p> <p style="text-align: center;"><b>Claire Hotton</b></p>	<p>Controlling the reorganization dynamics of vitrimer inspired DNA hydrogels</p> <p style="text-align: center;"><b>Rémi Merindol</b></p>
15:20 - 15:40	<p>A biomimetic and sustainable route for the preparation of antimicrobial alginate fibers</p> <p style="text-align: center;"><b>Pietro Tordi</b></p>	<p>Gelled lyotropic nematic liquid crystals</p> <p style="text-align: center;"><b>Max O. Dombrowski</b></p>

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14:10 – 18:10	Room Galatea <b>Amphiphiles and Self-Assembly</b>  Chair: Maura Monduzzi	Room Dione/Elettra <b>Bio-interfaces, Drug Delivery and Nanomedicine</b>  Chair: Aris Xenakis and Eleni Kalogianni
15:40 - 16:00	How surfactants promote enzyme oligomerization and its effects on activity. A SAXS study  <b>Marcos López Hernández</b>	Tracking of cell adhesion on macroion layers  <b>Monika Wasilewska</b>
16:00 - 16:20	Structural pathways for lipid membrane solubilization  <b>Reidar Lund</b>	Is L1CAM a good marker for neuronal extracellular vesicles?  <b>Helena Mateos</b>
16:20 - 16:50	<b>Coffee Break</b>	
16:50 - 17:10	Tailoring the properties of microemulsions stabilised by biosurfactants  <b>Florian Trummer</b>	Lipid-based nanocarriers for selective uptake of survivin mRNA-targeted molecular beacon in human cancer cells  <b>Ilaria Clemente</b>
17:10 - 17:30	Semi-synthetic bottom-up approach for photosynthetic artificial cell construction  <b>Emiliano Altamura</b>	The integrity and elasticity of highly asymmetric bacterial membranes challenged by multivalent cations and antimicrobial peptides  <b>Xueying Guo</b>

Tuesday  
5<sup>th</sup> September 2023



TIME	Tuesday 5 <sup>th</sup> September 2023	
14:10 – 18:10	<p>Room Agave <b>Nanoparticles, Nanocomposites, Nano- and Micro-Structured (Bio)Materials</b></p> <p>Chair: Lars Evenäs</p>	<p>Room Calipso <b>Polymers, Polyelectrolytes, Gels, Liquid Crystals, and Anisotropic Fluid</b></p> <p>Chair: Uri Banin</p>
15:40 - 16:00	<p>Colloids meet polymers: fabrication of asymmetric patchy SiO<sub>2</sub> microspheres via microcontact printing</p> <p><b>Martin Reifarth</b></p>	<p>Linear-response theory for polyelectrolyte adsorption and depletion</p> <p><b>C. Max Martens</b></p>
16:00 - 16:20	<p>Frequency-controlled mobility of the inner particle in yolk-shell structures for use in switchable colloidal crystals</p> <p><b>Tom Welling</b></p>	<p>Evaporation-driven formation of supraparticles composed of spherical and ellipsoidal building blocks</p> <p><b>Melis Yetkin</b></p>
16:20 - 16:50	<b>Coffee Break</b>	
16:50 - 17:10		<p>Room Calipso <b>Surface Forces and Thin Films</b></p> <p>Chair: Duško Čakara</p>
	<p>Core@shell nanowires for conductive inks and pastes</p> <p><b>Mikolaj Zaleski</b></p>	<p>What really happens during the drying of the microgel monolayer?</p> <p><b>Keumkyung Kuk</b></p>
17:10-17:30	<p>Biologically relevant calciprotein-like particles: effect of proteins and stabilizers on the structure and stability</p> <p><b>Rita Gelli</b></p>	<p>Crystallization at the water-alkanes interface observed under acoustic levitation</p> <p><b>Smaragda-Maria Argyri</b></p>

TIME	Tuesday 5 <sup>th</sup> September 2023	
14:10 – 18:10	Room Galatea <b>Amphiphiles and Self-Assembly</b>  Chair: Maura Monduzzi	Room Dione/Elettra <b>Bio-interfaces, Drug Delivery and Nanomedicine</b>  Chair: Aris Xenakis and Eleni Kalogianni
17:30 - 17:50	Unusual interplay between size and sodium ion binding of closo-dodecaborate-based micelles in water  <b>Žiga Medoš</b>	World-leading surface science instruments: premium solutions to progress your research  <b>Erik Nileback</b>
17:50 – 18:10	Oscillating Soft Magnetic Hydrogel Actuators  <b>Jérôme Crassous</b>	Targeting bacterial biofilms with multi enzyme functionalized antibiotic-loaded nanogel particles  <b>Evans Asare</b>
18:10 – 19:30	<b>Poster session</b>	

Tuesday  
5<sup>th</sup> September 2023



TIME	Tuesday 5 <sup>th</sup> September 2023	
14:10 – 18:10	<p>Room Agave <b>Nanoparticles, Nanocomposites, Nano- and Micro-Structured (Bio)Materials</b></p> <p>Chair: Lars Evenäs</p>	<p>Room Calipso <b>Surface Forces and Thin Films</b></p> <p>Chair: Duško Čakara</p>
17:30 - 17:50	<p>Colloidal stability of nonpolar gold nanoparticles: role of functional additives</p> <p><b>Tobias Knapp</b></p>	<p>Surface and frictional forces of adsorbed thin films of charged polysaccharides</p> <p><b>Gustavo S. Luengo</b></p>
17:50 – 18:10	<p>Establishing selective pore access in a bicontinuous material</p> <p><b>Jesse M. Steenhoff</b></p>	<p>Classical DFT for hydrophobic forces in colloidal systems</p> <p><b>Simone Riva</b></p>
18:10 – 19:30	<b>Poster session</b>	





Wednesday  
6<sup>th</sup> September 2023



TIME	Wednesday 6 <sup>th</sup> September 2023	
8:30 - 9:20	<b>Plenary Lecture: Molly Stevens</b> <b>"Designing and translating nanomaterials for healthcare"</b> Chair: Ben Boyd Room Galatea	
9:25 - 12:45	Room Agave <b>Theory, Modelling and Simulation of Colloidal Systems</b> Chair: Daniel Harries	Room Calipso <b>Rheology and Phase Behavior of Colloids and Complex Fluids</b> Chair: Martine Meireles
9:25 – 9:55	<b>Keynote presentation</b> What drives the coil-globule transition of thermoresponsive polymers in mixed solvents? <b>Nico F. A. van der Vegt</b>	<b>Keynote presentation</b> Shear induced ordering and phase separation of colloidal gels <b>George Petekidis</b>
9:55 – 10:15	Liquid structure of bistable responsive macromolecules using mean-field density-functional theory <b>Arturo Moncho-Jordá</b>	Effective interactions, phase behavior and rheology of PNIPAM-PEG copolymer microgel dispersions <b>Marco Laurati</b>
10:15 - 10:45	<b>Coffee Break</b>	
10:45 - 11:05	Aggregation phenomena and regime change in a magnetic Janus particle suspension by means of Monte Carlo simulations <b>Kazuya Okada</b>	Microgels at interfaces: insights from computer simulations <b>Emanuela Zaccarelli</b>

TIME	Wednesday 6 <sup>th</sup> September 2023	
9:25 - 12:45	<p>Room Galatea</p> <p><b>Amphiphiles and Self-Assembly</b></p> <p>Chair: Ben Boyd</p>	<p>Room Dione/Elettra</p> <p><b>Nanoparticles, Nanocomposites, Nano-and Micro-Structured (Bio)Materials</b></p> <p>Chair: Steve Armes and Ofer Manor</p>
11:05 - 11:25	<p>Application of low-frequency raman spectroscopy to probe Ddynamics of lipid mesophase transformations upon hydration</p> <p><b>Lasse S. Krog</b></p>	<p>From surfactant free emulsions to hybrid nanocapsules: an Odyssey into Ouzo</p> <p><b>Fabienne Gauffre</b></p>
11:25 - 11:45	<p>Confined polyelectrolyte complexes: answers that the continuous phase can give about nanometric regime</p> <p><b>Julia Bonesso Sabadini</b></p>	<p>Caterpillar-shaped polymer nanoparticles</p> <p><b>Gabriel Augusto Alemao Monteiro</b></p>
11:45 - 12:05	<p>Modeling of Nanoions at Interfaces</p> <p><b>Dominik Horinek</b></p>	<p>The printed conductive coatings based on nickel-silver core-shell NPs for the fabrication of modern electronics</p> <p><b>Anna Pajor-Świerzy</b></p>
12:05 - 12:55	<p><b>Plenary Lecture: Brigitte Voit</b></p> <p><b>“Responsive polymeric nanocapsules and multicompartments as cellular mimics”</b></p> <p>Chair: Debora Berti <span style="float: right;">Room Galatea</span></p>	
13:00	<p><b>Lunch and Social Trip</b></p>	

Wednesday  
6<sup>th</sup> September 2023



TIME	Wednesday 6 <sup>th</sup> September 2023	
9:25 - 12:45	Room Agave <b>Theory, Modelling and Simulation of Colloidal Systems</b>  Chair: Daniel Harries	Room Calipso <b>Rheology and Phase Behavior of Colloids and Complex Fluids</b>  Chair: Martine Meireles
11:05 - 11:25	Crystallization in melts of short semiflexible hard-sphere chains: How to distinguish noisy crystal structures  <b>Evgeniia Filimonova</b>	Environment-sensitive bio-based surfactants hydrogels with tunable physicochemical properties and phase behavior  <b>Duccio Tatini</b>
11:25 – 11:45	Why do hollow microgels suppress crystallization? A simulation study  <b>Tom Höfken</b>	Rheology of anionic/zwitterionic mixtures: co-ion effects  <b>Svetoslav E. Anachkov</b>
11:45 – 12:05	Exploring pattern formation on negatively curved surfaces via the hyperbolic plane  <b>Jacob J.K. Kirkensgaard</b>	Colloidal graphene inks for printed stretchable electronics  <b>Laura van Hazendonk</b>
12:05 - 12:55	<b>Plenary Lecture: Brigitte Voit</b> <b>“Responsive polymeric nanocapsules and multicompartments as cellular mimics”</b> Chair: Debora Berti <span style="float: right;">Room Galatea</span>	
13:00	<b>Lunch and Social Trip</b>	

<b>TIME</b>	<b>Thursday 7<sup>th</sup> September 2023</b>	
8:30 - 9:20	<b>Plenary Lecture: Paolo Samorì</b> <b>“Interfacing molecules with 2D materials: sophisticated structures enabling complex functions”</b> Chair: Luigi Paduano <span style="float: right;">Room Galatea</span>	
9:25 - 12:45	Room Galatea <b>Nanoparticles, Nanocomposites, Nano- and Micro-Structured (Bio)Materials</b> Chair: Luigi Paduano	Room Dione/Elettra <b>Bio-interfaces, Drug Delivery and Nanomedicine</b>  Chair: Eduardo F. Marques
9:25 – 9:55	<b>Keynote presentation</b> Multifunctional self-healing hydrogels via nanoengineering colloidal and polymeric cellulose  <b>Theo van de Ven</b>	<b>Keynote presentation</b> A bioorthogonal fluorinated tracer as powerful tool for multiscale bioimaging of nanosystems  <b>Francesca Baldelli Bombelli</b>
9:55 – 10:15	Cryofouling avoidance in the antarctic scallop <i>Adamussium colbecki</i>  <b>William S. Y. Wong</b>	Characterization of the interaction of nitric oxide/nitrogen dioxide with the polymer surfaces in ECMO devices  <b>Moritz Köglmaier</b>
10:15 - 10:45	<b>Coffee Break</b>	
10:45 - 11:05		Room Dione/Elettra <b>Colloids for Analytics</b> Chair: Luciano Galantini
	Live observation of bacterial cellulose production and engineering  <b>Maryam Hosseini</b>	Zonal rotor centrifugation revisited: new avenues for sorting multimodal colloidal mixtures  <b>Alexander Wittemann</b>
11:05 - 11:25	DNA mold-based fabrication of silver nanostructures  <b>Christoph Hadlich</b>	Characterization of colloidal aggregates using holographic particle tracking  <b>Fredrik Eklund</b>

Thursday  
7<sup>th</sup> September 2023



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8:30 - 9:20	<p align="center"><b>Plenary Lecture: Paolo Samorì</b>  <b>"Interfacing molecules with 2D materials: sophisticated structures enabling complex functions"</b></p> <p>Chair: Luigi Paduano <span style="float:right">Room Galatea</span></p>	
9:25 - 12:45	<p align="center">Room Agave  <b>Surface Forces and Thin Films</b></p> <p align="center">Chair: Mario Campana</p>	<p align="center">Room Calipso  <b>Emulsions and Foams</b></p> <p align="center">Chair: Bernard P. Binks</p>
9:25 – 9:55	<p>Anomalous underscreening in concentrated aqueous electrolytes: myth or reality?</p> <p align="center"><b>Frieder Mugele</b></p>	<p align="center"><b>Keynote presentation</b>  Anomalous stable mixtures of water and oil</p> <p align="center"><b>Jean Baudry</b></p>
9:55 – 10:15	<p>Anisotropy of pressure and self-diffusion in liquid water adsorbed in slit micropores</p> <p align="center"><b>Hans-Jörg Mögel</b></p>	<p>Coarsening of wet liquid foams under microgravity conditions</p> <p align="center"><b>Dominique Langevin</b></p>
10:15 - 10:45	<p align="center"><b>Coffee Break</b></p>	
10:45 - 11:05	<p>Polypeptide/surfactant films: three-dimensional structure control</p> <p align="center"><b>Richard A. Campbell</b></p>	<p>Preparation of Pickering double emulsions by in-situ particle surface modification</p> <p align="center"><b>Venkateshwar Rao Dugyala</b></p>
11:05 - 11:25	<p>pH-triggered modifications of oil/water interfaces</p> <p align="center"><b>Matteo Frigerio</b></p>	<p>Photocatalytic solid foams</p> <p align="center"><b>Marco Vaccari</b></p>

TIME	Thursday 7 <sup>th</sup> September 2023	
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11:25 - 11:45	Tailored anisotropic gold nanoparticles through tuning the seed-mediated growth solution chemistry <b>Katharina Zürbes</b>	Light induced elevation of microparticles from planar bottom interfaces <b>Marek Bekir</b>
11:45 - 12:05	Pre-programmable microgels for magnetic actuation and as building blocks for soft metamaterials <b>Dominik L. Braunmiller</b>	Optimizing interactions for selective adsorption to molecularly imprinted polymers <b>Yves Chevalier</b>
12:05 - 12:25	How nanozyme-based colloids can combat oxidative stress? <b>Istvan Szilagyi</b>	Turning on hot spots: supracolloidal SERS probes made brilliant by an external activation mechanism <b>Sophie Jancke</b>
12:25 - 12:45	Improved heating efficiency of magnetite nanorods by different types of gold coatings when applying magnetic fields and photothermal stimulation <b>Marina Lázaro Callejón</b>	An advanced machine learning algorithm for the robust estimation of the particle size distribution from dynamic light scattering experiments <b>Andrea Vaccaro</b>
12:45 - 14:10	<b>Lunch</b>	

Thursday  
7<sup>th</sup> September 2023



TIME	Thursday 7 <sup>th</sup> September 2023	
9:25 - 12:45	Room Agave <b>Surface Forces and Thin Films</b>  Chair: Mario Campana	Room Calipso <b>Emulsions and Foams</b>  Chair: Bernard P. Binks
11:25 - 11:45	Complex behaviours in thin films of soft microgels  <b>Valentina Nigro</b>	Proteins as stabilizers for foam films: Untangling the stabilizing effects  <b>Kevin Gräff</b>
11:45 - 12:05	Effective medium theory for optical modelling of mixed colloid thin films  <b>Duško Čakara</b>	Light-driven Pickering interfacial catalysis for the oxidation of alkenes at near-room temperature  <b>Jean-François Dechezelles</b>
12:05 - 12:25	Screening behavior of nano-ions in aqueous solutions  <b>Thomas Tilger</b>	Polymer coatings based on nanoencapsulated phase change materials for latent heat storage  <b>Rafael Muñoz-Espí</b>
12:25 - 12:45	Interactions between lipid membranes and nano-ions  <b>Magdalena Wlodek</b>	Mixtures of water-in-water emulsions stabilized by bishydrophilic microgels  <b>Do-Nhu-Trang Nguyen</b>
12:45 - 14:10	<b>Lunch</b>	

TIME	Thursday 7 <sup>th</sup> September 2023	
14:10 – 18:30	Room Galatea <b>Nanoparticles, Nanocomposites, Nano- and Micro-Structured (Bio)Materials</b> Chair: Shigeru Deguchi	Room Dione/Elettra <b>Bio-interfaces, Drug Delivery and Nanomedicine</b> Chair: Kevin Roger
14:10 - 14:40	<b>Keynote presentation</b> Design of reactor to synthesize polymer nano particles  <b>Tetsuya Yamamoto</b>	<b>Keynote presentation</b> ROS-responsive biopolymer based nanocarriers for the delivery of hydrophilic payload toward cancer therapy  <b>Anitha Ethirajan</b>
14:40 - 15:00	Driving interfacial assembly and nanohybrid synthesis with surface chemistry anisotropy  <b>Silvano Valandro</b>	Physicochemical description of the interactions of drugs used in the treatment of chronic obstructive pulmonary disease (COPD) with model lung surfactants  <b>Dorota Matyszewska</b>
15:00 - 15:20	Multilayer superlattice of liquid-crystalline dendron- modified inorganic nanoparticles  <b>Rina Sato</b>	Temporal analysis of hMSCs under electrical stimulation with AFM  <b>Kaiwen Zhang</b>
15:20 - 15:40	Novel method of calcium carbonate nanoparticle synthesis: machine learning analysis of the polymorphs  <b>Junnan Song</b>	Interaction of inorganic nanoparticles and biomimetic lipid interfaces: understanding clustering and morphology  <b>Debora Berti</b>



Thursday  
7<sup>th</sup> September 2023



TIME	Thursday 7 <sup>th</sup> September 2023	
14:10 – 18:30	<p>Room Agave</p> <p><b>Theory, Modelling and Simulation of Colloidal Systems</b></p> <p>Chair: Dominik Horinek</p>	<p>Room Calipso</p> <p><b>Polymers, Polyelectrolytes, Gels, Liquid Crystals, and Anisotropic Fluid</b></p> <p>Chair: Francesca Baldelli Bombelli</p>
14:10 - 14:40	<p><b>Keynote presentation</b></p> <p>Do lipids have the same properties in nanodiscs and vesicles?</p> <p><b>Daniel Harries</b></p>	<p><b>Keynote presentation</b></p> <p>Changes in charge density of polyelectrolytes by shear</p> <p><b>Jiang Zhao</b></p>
14:40 - 15:00	<p>Anomalous diffusion of soft particles near a fluctuating lipid bilayer</p> <p><b>Salah u din Sheikh</b></p>	<p>Interactions of Imidazolium-based Ionic Liquids with Model Lipid Membranes: Phase Behavior Studies</p> <p><b>Amrutha Arimboor Sunny</b></p>
15:00 - 15:20	<p>The effect of hydrodynamic interactions on the aggregation of colloidal suspensions</p> <p><b>Marco Lattuada</b></p>	<p>Natural care products: structural and deposition studies of sustainable polymers and surfactant mixtures</p> <p><b>Marta Gubitosi</b></p>
15:20 - 15:40	<p>Guidelines to program colloidal self-assembly using self-consistent field computations</p> <p><b>Remco Tuinier</b></p>	<p>Unusual behavior of responsive peptide gels</p> <p><b>Mert Acar</b></p>

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15:40 - 16:00	Colloidal crystallization of viruses in presence of polycationic polymers characterized by SAXS <b>Bettina Tran</b>	Gemini vs bacteria: molecular insights from co- assembly of octenidine and lipopolysaccharides <b>Oliver J. Mc Dowell</b>
16:00 - 16:20	Crystallographic– morphological paradoxes in Metal–Organic Frameworks <b>Maria Chiara di Gregorio</b>	Encapsulated ultra-short AMPs in cubic phase lipid nanoparticles fighting against bacteria <b>Biserka Lalic</b>
16:20 - 16:50	<b>Coffee Break</b>	
16:50 - 18:50	<b>ECIS General Assembly</b>	
19:00	<b>Social Dinner</b>	

Room Galatea

Thursday  
7<sup>th</sup> September 2023



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14:10 – 18:30	<p>Room Agave</p> <p><b>Theory, Modelling and Simulation of Colloidal Systems</b></p> <p>Chair: Dominik Horinek</p>	<p>Room Calipso</p> <p><b>Polymers, Polyelectrolytes, Gels, Liquid Crystals, and Anisotropic Fluid</b></p> <p>Chair: Francesca Baldelli Bombelli</p>
15:40 - 16:00	<p>Phase transition in nonuniform forces: general theory, application to nucleation, and more</p> <p><b>Yoav Tsori</b></p>	<p>pH-tunable properties of polypeptides monolayers: experimental studies and MD modeling</p> <p><b>Maria Morgia</b></p>
16:00 - 16:20	<p>Monte Carlo simulations of board-shaped particles. From uniaxial to biaxial nematics</p> <p><b>Alessandro Patti</b></p>	<p>Nanostructural characterization of complexes of DNA with a diblock-copolymer of positively-charged and neutral blocks, and their stability in the presence of blood serum albumin</p> <p><b>Sapir Rappoport</b></p>
16:20 - 16:50	<b>Coffee Break</b>	
16:50 - 18:50	<b>ECIS General Assembly</b>	
	Room Galatea	
19:00	<b>Social Dinner</b>	

TIME	Friday 8 <sup>th</sup> September 2023	
8:30 - 9:20	<b>Award Talk</b> <b>Overbeek Gold Medal</b> <b>Bernard P. Binks</b> <b>“Surfactants and Particles at Fluid Interfaces”</b> Chair: Dganit Danino <span style="float: right;">Room Galatea</span>	
9:25 - 11:25	Room Galatea <b>Bio-interfaces, Drug Delivery and Nanomedicine</b> Chair: Dganit Danino	Room Dione/Elettra <b>Amphiphiles and Self-Assembly</b> Chair: Richard A. Campbell
9:25 – 9:55	<b>Keynote presentation</b> Towards the design light-responsive polymer capsules for protein release <b>Emmanuelle Marie</b>	<b>Keynote presentation</b> The evolution of equilibrium sodium poly(styrenesulfonate) - dodecyltrimethylammonium bromide supramolecular structure in dilute aqueous solution with increasing surfactant binding <b>Imre Varga</b>
9:55 – 10:15	Antimicrobial peptides and their mode of action: what can we tell from model membranes and scattering techniques? <b>Vladimir Rosenov Koynarev</b>	Mimicking native cell membranes: lipid bilayers with complex lipid mixtures and membrane proteins <b>Alessandra Luchini</b>
10:15 -10:45	<b>Coffee Break</b>	
10:45 -11:05	Assessing the efficacy of bacterial consortia against recalcitrant agents using vaterite nano- and microparticles <b>Dmitrii Deev</b>	Can solvents be treated as benign media in colloidal systems? <b>Ilona Serafin</b>

Friday  
8<sup>th</sup> September 2023



TIME	Friday 8 <sup>th</sup> September 2023	
8:30 - 9:20	<p style="text-align: center;"><b>Award Talk</b>  <b>Overbeek Gold Medal</b>  <b>Bernard P. Binks</b>  <b>“Surfactants and Particles at Fluid Interfaces”</b></p> <p>Chair: Dganit Danino <span style="float: right;">Room Galatea</span></p>	
9:25 - 11:25	<p style="text-align: center;">Room Agave  <b>Surface Forces and Thin Films</b></p> <p>Chair: Drew F. Parsons</p>	<p style="text-align: center;">Room Calipso  <b>Energy and Photonics</b></p> <p>Chair: Brigitte Voit</p>
9:25 – 9:55	<p style="text-align: center;"><b>Keynote presentation</b></p> <p>Evaluation of “short-range” hydrophobic attraction between silanated silica surfaces by atomic force microscopy and its origin</p> <p style="text-align: center;"><b>Naoyuki Ishida</b></p>	<p style="text-align: center;"><b>Keynote presentation</b></p> <p>Smart colloidal nanocapsules with controlled photoluminescent behavior</p> <p style="text-align: center;"><b>Loredana Latterini</b></p>
9:55 – 10:15	<p>Co-continuous phases of P3HT-PLA blends with embedded gold nanoparticles for optoelectronics</p> <p style="text-align: center;"><b>Tommaso A. Salamone</b></p> <p style="text-align: center;"><b>Tommaso A. Salamone</b></p>	<p>Rational design of polymer-pigment antenna complexes for strong-plasmon coupling</p> <p style="text-align: center;"><b>Edwin C. Johnson</b></p> <p style="text-align: center;"><b>Edwin C. Johnson</b></p>
10:15 - 10:45	<p style="text-align: center;"><b>Coffee Break</b></p>	
10:45 - 11:05	<p>Scalable fabrication of membranes formed via nanoparticle stabilized liquid-liquid phase separation</p> <p style="text-align: center;"><b>Henrik Siegel</b></p>	<p>Thermal control of up-conversion nanocapsules under incoherent excitation</p> <p style="text-align: center;"><b>Elena Cambiotti</b></p>

TIME	Friday 8 <sup>th</sup> September 2023	
9:25 - 11:25	Room Galatea <b>Bio-interfaces, Drug Delivery and Nanomedicine</b> Chair: Dganit Danino	Room Dione/Elettra <b>Amphiphiles and Self-Assembly</b> Chair: Richard A. Campbell
11:05 – 11:25	Peptide coating boosts membrane interactions and antimicrobial effects of photocatalytic nanoparticles  <b>Lucrezia Caselli</b>	Calorimetric measurements of complexation and transfer of a lanthanide salt in colloidal liquid-liquid extraction systems  <b>Epameinondas Leontidis</b>
11:25 – 12:15	<b>Award Talk Solvay Prize Regine von Klitzing</b> <b>“Microgels as stabilizers for foams: A multiscale approach”</b> Chair: Tommy Nylander <span style="float: right;">Room Galatea</span>	
12:15 – 12:45	<b>Closing Ceremony &amp; Prizes</b> <span style="float: right;">Room Galatea</span>	

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9:25 - 11:25	<p style="text-align: center;">Room Agave <b>Surface Forces and Thin Films</b></p> <p style="text-align: center;">Chair: Drew F. Parsons</p>	<p style="text-align: center;">Room Calipso <b>Energy and Photonics</b></p> <p style="text-align: center;">Chair: Brigitte Voit</p>
11:05 – 11:25	<p>Voltage leakage off electro-mechanical ion resonance in an electrical double layer translates to fingerprints of the electrolyte solution and dynamic and static electrical surface properties</p> <p style="text-align: center;"><b>Ofer Manor</b></p>	<p>Functionalized zeolite templated carbon electrodes for energy production by salinity exchange</p> <p style="text-align: center;"><b>Angel V. Delgado</b></p>
11:25 – 12:15	<p style="text-align: center;"><b>Award Talk Solvay Prize Regine von Klitzing</b></p> <p style="text-align: center;"><b>“Microgels as stabilizers for foams: A multiscale approach”</b></p> <p>Chair: Tommy Nylander <span style="float: right;">Room Galatea</span></p>	
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