



20th European Student Colloid Conference

Day 1: Monday 29/06/2026

09:00-09:15	Registration
09:15-09:30	Opening
09:30-10:50	Chair: Marek Grzelczak – Plenary Session
09:30-10:30	Kinetic Pathways to Control Nanocrystal Shapes Carlos L. Bassani, <i>University of Exeter</i>
10:30-10:50	Chair: Riccardo Guadagnoli – Oral Session
10:30-10:50	Investigating the role of glycans in the chiral growth of gold nanorods Lucía Borrallo-López, <i>CIC biomaGUNE</i>
10:50-11:30	Coffee
11:30-12:10	Chair: Riccardo Guadagnoli – Oral Session
11:30-11:50	Shaping Hematite: Ionic Liquids as Designers of Cubic Nanoparticles Diana Potes Vecini, <i>University of Fribourg</i>
11:50-12:10	Accelerating Sustainable Materials Design and Recovery: Integrating Molecular Dynamics and Machine Learning in Chemical Research Liming Li, <i>University of Warwick</i>
12:10-13:10	Chair: Mars Poxon – Oral Session
12:10-12:30	Interaction and Integration of Amphiphilic Single-Chain Nanoparticles into Lipid Model Membranes Miriam Peña, <i>Centro de Física de Materiales (CSIC, UPV/EHU)</i>
12:30-12:50	Hydrogen Bonding and Electrostatic Interactions at Interfaces: Implications for Emulsion Stability Weronika Kieres, <i>Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences</i>
12:50-13:10	Understanding and Improving Substrate Adhesion of Polymer Dispersions Mohammadmehdi Negareh, <i>POLYMAT, University of the Basque Country UPV/EHU</i>
13:10-14:30	Lunch
14:30-15:30	Chair: Armando Maestro – Plenary Session
14:30-15:30	Antimicrobial Peptides against Resistant Bacteria: How They Work and How Self Assembly Could Make Them Better Reidar Lund, <i>University of Oslo</i>
15:30-17:00	Chair: Eric Gómez – Oral Session
15:30-15:50	Crystallization Kinetics and Composition-Dependent Phase Behavior in Poly(ϵ -caprolactone)-Based Systems Azad Shukurov, <i>Malmö University</i>
15:50-16:10	Structure-Kinetics Relationship in Interpolyelectrolyte Complexes of hydrophobically modified PMAA and <i>N,N,N</i> – Trimethyl Chitosan Anton Michel-Busch, <i>Technische Universität Berlin</i>
16:10-16:30	Catechol-Containing Polymers as Bio-Inspired Lubricant Additives Samuel Leon, <i>University of Bristol</i>
16:30-17:00	Transfer to the Poster Session Venue - Faculty of Chemistry
17:00-19:00	Poster Session



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Day 2: Tuesday 30/06/2026

09:00-10:00	Chair: Reidar Lund – Plenary Session
09:00-10:00	From Ice-Binding Proteins to Bioinspired Materials: Advances in Chemical Cryobiology for Regenerative Medicine Ilja Voets, Eindhoven University of Technology
10:00-11:00	Chair: Laura Marty – Oral Session
10:00-10:20	Influence of silver in the growth of gold bipyramids Francisco Bevilacqua, CIC biomaGUNE
10:20-10:40	Quantitative 3D Real-Space Analysis of Photonic Supraparticles Jesse Bückmann, Utrecht University
10:40-11:00	Microplastic Removal from Wastewater by Modified Graphitic Carbon Nitride Dimitra Das, Centro de Física de Materiales (CSIC, UPV/EHU)
11:00-11:30	Coffee and <u>GROUP PICTURE</u>
11:30-12:30	Chair: Mohammadmahdi Negaresh – Oral Session
11:30-11:50	Crystalline Organic Frameworks and Lyotropic Liquid Crystals as Drug Carriers Fatemeh Soleimani Rokni, Institute for Advanced Chemistry of Catalonia, Spanish National Research Council (IQAC-CSIC)
11:50-12:10	High-Yield <i>In Situ</i> Growth of Supported Gold Nanorods in Microfluidic Channels Martina Lonza, CIC biomaGUNE
12:10-12:30	Characterization of thermoresponsive microgels on different substrates using force-volume atomic force microscopy Sebastian Meyer, University of Münster
12:30-14:00	Lunch
14:00-16:00	Chair: Laura Alvarez – Career Path Session
14:00-14:45	Academic Career Path Talk. Order and Light in Living Materials Lisa Tran, Utrecht University
14:45-15:30	Industry Career Path Talk. From Polymer Background to Cosmetics: How Material Science Shapes Innovation Baptiste Hervé, L'Oréal Research & Innovation
15:30-16:00	Coffee
16:00-17:00	Chair: Manmeet Kaur Sodhi – Oral Session
16:00-16:20	Experimental set up for monitoring charging and discharging of water Kayleigh Davies, Malmö University
16:20-16:40	Nanoscale organisation of Pluronic F127 governs hydrophobic sex steroid behaviour and enables improved hormone recovery in aqueous environments Elena Venturelli, University of Bristol
16:40-17:00	Hydrogen-Bond-Driven Association of Cationic Polysaccharides and alkyl polyglucoside Belén Arcos-Álvarez, Universidad Complutense de Madrid



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Day 3: Wednesday 01/07/2026

09:00-10:00	Chair: Laura Cervera – Plenary Session
09:00-10:00	Particle Stabilized Bicontinuous Emulsions: Basic Science for Sustainable Materials Martin F. Haase, Utrecht University
10:00-11:30	Chair: Anton Michel-Busch – Oral Session
10:00-10:20	Modulation of the Hydrogel Phase in Bigels Systems Alicja Przybyłowicz, Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences
10:20-10:40	Ultrasml Nanogels from Intramolecular Cross-Linking of (Hyper)Branched Cyclic Polyglycerols with Diboronic Acids Eric Gómez, Donostia International Physics Center (DIPC)
10:40-11:00	Magnetically responsive polysaccharide hydrogels with a bio-sourced electroactive filler Vanessa Galván De Cos, BCMaterials
11:00-11:30	Coffee
11:30-14:00	Chair: Pablo Gila – Oral Session
11:30-11:50	Exploring protein-lipid interactions on different membrane platforms: toward catalytic applications Laura Cervera, Donostia International Physics Center (DIPC)
11:50-12:10	Engineering gold nanoparticle supracolloidal assemblies in water using hydrophilic triblock copolymers Laura Marty, Institut Charles Gerhardt Montpellier
12:10-12:30	Hydrogen-Bonded Amphiphilic Coacervates for Enhanced Foliar Application of Agricultural Bioactives Maximiliano L. Agazzi, University of the Basque Country UPV/EHU, POLYMAT
12:30-14:00	Lunch
14:00-15:00	Chair: Martin Haase – Plenary Session
14:00-15:00	Non-equilibrium soft matter: from active colloids to synthetic cells Laura Álvarez, University of Bordeaux
15:00-16:20	Chair: Samuel Leon – Oral Session
15:00-15:20	Thermotropic behavior of Soybean, Egg, and Dioleoyl Phosphatidylcholine Meruyert Turpanova, Malmö University
15:20-15:40	Biodegradable hydrogels with MOFs for tissue engineering Leire Rodríguez, University of the Basque Country EHU
15:40-16:20	Coffee
16:20-17:00	Chair: Diana Potes Vecini – Oral Session
16:20-16:40	Nanocasting Synthesis of Lutetium-Based Nanoscintillators Using Mesoporous Silica Nanoparticles for X-Ray Induced Photodynamic Therapy Domitille Mostacchi, Institut Charles Gerhardt Montpellier
16:40-17:00	Nanoions, the future of antibiotics Bozhidar Zhelev, University of Bristol
17:00-17:20	A systematic study of the copolymerisation of MDO in aqueous systems Mars Poxon, University of Warwick
20:00-22:00	Conference Dinner



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Day 4: Thursday 02/07/2026

09:20-10:30	Chair: Vanessa Galván De Cos – Oral Session
09:20-09:40	From particle deformation to foam structure: the role of microgel mechanics in microgel-stabilized foams Manmeet Kaur Sodhi , <i>Institute Laue-Langevin and Technical University of Darmstadt</i>
09:40-10:00	Gibbs Free Energy-Based Modeling of Cassie State Stability on Omniphobic Surface Alireza Cheshmak , <i>Aalto University</i>
10:00-10:30	Coffee
10:30-11:30	Chair: Elena Venturelli – Oral Session
10:30-10:50	Circular dichroism biosensing in hydrogels containing chiral gold nanoparticles Riccardo Guadagnoli , <i>CIC biomaGUNE</i>
10:50-11:10	Structure and Phase Behavior of Protein-Mimetic Heteropolymers and polyanionic based Complexes Purushottam Dubey , <i>Centro de Física de Materiales (CSIC, UPV/EHU)</i>
11:10-11:30	Temperature and shear-responsive lipid nanoparticles for topical delivery Giulia Gabbricci , <i>University of Siena</i>
11:30-12:00	Jury Meetings
12:00-12:30	Closing
12:30-14:00	Lunch