

Poster Session, Tuesday, 18 February, 17:20 h (CET)

Jan Albrecht	Likelihood-based inference for heterogeneous motile particle ensembles
Ricard Alert	Capillary interactions organize bacterial colonies
Carlos Arauz-Moreno	From Champagne to Glass: natural and artificial nucleation
Thorsten Auth	Adhesion-driven wrapping and pore translocation of elastic particles
Romane Braun	Self-Organization of Interacting Micromotors: From Synchronization to Phase Coherence
Claire Dessalles	Topological defects organize morphogenesis on closed curved surfaces
Alberto Dinelli	Quorum sensing and absorbing phase transitions in colloidal active matter
Anna Ermakova	Quantum sensing for soft matter study
Thomas Fai	Nuclear size control by osmotic forces in <i>S. pombe</i>
Isabelle Feller	Biohybrid microswimmer fabrication with controllable geometry using capillary-assisted endospore deposition
Nicola Galvanetto	Mesoscale properties of biomolecular condensates emerge from nanoscale dynamics
Juan Manuel Garcia Arcos	Actin dynamics sustains spatial gradients of membrane tension in adherent cells

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Birte Christine Geerds	Twists, turns and surprising shapes: How a 2D liquid crystal influences geometry
Doron Grossman	Geometry and Mechanics of Living Materials
Lauritz Hahn	Streams of Janus Particle Dimers
Arsenii Hordeichyk	Reconstituted nascent adhesion condensates enable actin polymerisation on supported lipid bilayers.
Karin Jacobs	Are bacteria patchy colloids? Force spectroscopy on soft and biological matter
Manisha Jhajhria	Activity induced non-monotonic aggregation in a mixture of chemically active and passive particles
Camille Jorge	Active hydraulics
Leonie Karr	Quantifying flow induced remodeling on self organized vascular networks on a chip
Mukund Krishna Kothari	Bio-inspired self assembling active matter
Martin Lenz	Topological defect engineering enables size control in self-assembly
Romain Leroux	Microtubule-based active matter droplets: patterns of an extensile filament
Mathieu Le Verge-Serandour	Dynamical Network Remodeling of Slime Mold
Noemie Livne	Geometric theory of mechanical screening in 2D granular materials

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Martin Maliet	Bacterial glass transition in <i>Pseudomonas aeruginosa</i>
Jakob Metson	Designing complex behaviours using transition-based allosteric self-assembly
Maitane Muñoz-Basagoiti	Shape through gradients: Deformations of chemically active membranes
Pietro Luigi Muzzeddu	Migration and separation of polymers in nonuniform active baths
Airi Nakamoto Kato	Active particle confined in a quasi-two-dimensional droplet
Vincent Ouazan-Reboul	Self-limiting self-assembly of particles with complex interactions
Alessandro Pasqui	VertAX: a novel framework for 2D vertex model inference through bilevel optimisation
Oliver Paulin	Active viscoelastic condensates provide controllable mechanical anchor points
Marc-Eric Perrin	Robust tree structure from stochastic branching processes: model and parameter inference from data.
Tuan Pham	Dynamical Theory for Adaptive Systems
Jared Popowski	From Brittle Fracture to Sticky Fluids: How Plant Trichomes Exploit Soft Matter Physics Against Insects
Sepideh Razavi	Probing the interfacial behavior of mucin solutions as model biofluidic drops

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Pablo Saez

Electro-mechanical interactions in cellular systems

Noah Toyonaga

Hasamigami: The Art and Science of Scissored Surfaces

Michael Wang

Geometric frustration meets mechanical metamaterials: large-scale stress accumulation and enhanced size-selective assembly