Full Name	Presentation Title	Poster Number
Manas Bhargava	Computational Design and Fabrication of Modular Robots with Untethered Control	1
Ferdinand Horvath	Self-organization of FtsZ filaments drives enzyme transport in bacterial division	2
Adrià Bravo Vidal	Multi-body Fluctuation-Induced Forces Between Membrane Proteins: Insights from Mesoscale Simulations	3
Désirée Bieberle	Reconfigurable assemblies of colloids with moving patches	4
Sophie Zeilinger	Mesoscopic Structures in HFIP/H2O based Electrolytes	5
Vanessa Schweidler	Electrostatic Interaction Models of Inverse Patchy Colloids	6
Kevin Klein	The Barcode at the Basis of Multicellular Life: Understanding Collagen I Fibril Structure	7
Lisa Sappl	Locally tuned hydrodynamics of active polymer chains	8
Quentin Martinet	Emergent dynamics of active elastic microbeams	9
Alexander Einschütz López	Measles Virus-Induced Cytoskeletal Alterations and Their Biomechanical Consequences	10
Peter van Oostrum	Soft-matter through the lens of in-line holographic microscopy	11
Agaya Johnson	Coarse grained simulation of peptide Lge1 1-80	12
Kseniia Petukhova	Bacterial division ring formation guided by Min-system oscillations	13
Markus Felber	Contact charging with levitated particles: widening the scope with two new charge measurement techniques	14
Emeline Laborie	How do microtubule growth forces shape the mitotic centrosome?	15
cedrik Barutel	Out of equilibrium theory of crosslinking proteins between filaments	16
Júlio Palma de Assunção Santos	Molecular dynamic simulations of Magneto-active elastomers	17
Eva Hudec	Multi-scale study of the yielding transition with quantitative rheo-microscopy	18
Oksana Bilous	Competing Forces in Ferrogranulates: From Particle Diffusion to Cluster Dynamics	19
Robert Dominik Schlothauer	A Mode-Coupling Theory of the Glass Transition for polydisperse Systems	20
Anežka Májková	T-cell receptor binding kinetics: key for ligand recognition?	21
Regina Rusch	Intermediate scattering function of colloids in a periodic laser field	22
Sakshi Khandelwal	Rheo microscopy of hydrogels across the yielding transitions	23
Sadia Schülke	Investigation of structure and dynamics of colloidal gels under mechanical training	24

Filip Brutovsky	Steering colloidal solitons in two-dimensional periodic potentials	25
Andrea de Marco		26
Concetta Santangelo	Lipid membrane-detergent interactions: modelling cellular trafficking events	27
David Berger	Ion valence effects on the apparent flexibility of DNA fragments	28
Arun Ravi	Synchronization driven flows and motility of spherical ciliates	29
Shalabh Kumar Anand	First passage time statistics of an active particle in the presence of hydrodynamic interactions	30
Felix Frey	Modeling endosomal membrane budding patterns	31
Selma Maria Köhler	Numerical Modelling of swimming Escherichia Coli cells in strong confinement	32
Maximilian Lechner	Controlling the dynamics of rugged energy landscapes	33
Dusan Racko	Controlling Knot Interactions Through Confinement	34
Eavan Fitzgerald	Rolling at right angles: magnetic anisotropy enables dual- anisotropic active matter	35
Irina Malina Strugaru	Responsive Metamaterials	36
Andrea Stoellner	Using optical tweezers to simultaneously trap, charge and measure the charge of a microparticle in air	37
John Hoffman	Binding Affinity Controls Ion Transfer during Contact Electrification	38
Maximilian Huebl	Simultaneous optimization of yield and assembly time in semiaddressable self-assembly	39
Fabrizio Olmeda	Design principles and limitations for limb regeneration at scale	40
Felix Pertl	No Time for Surface Charge: How Bulk Conductivity Hides Charge Patterns from Kelvin Probe Force Microscopy in Contact-Electrified Surfaces	41
Juraj Májek	Mortal vs immortal filaments: collective behavior and force generation	42
Johannes Pichler	Hydrodynamics of Deformable Swimming Cells in MPCD Fluids	43
Aritra Bose	Gradient Discontinuities : Towards a Unified Theory of Learning in Physical Systems	44
Sue Shi	Self-assembled Architectures and Emergent Dynamics in Acoustic Levitation	45
Vicente Luis Diaz Melian	Complex Morphology on the Underside of a Leidenfrost- levitated Hydrogel Sphere	46
Vladimir Dmitriev		47
Valerio Sorichetti	Rules for chromosome segregation in spherical cells	48
Mau Rojas	Cell shape through the eyes of computer graphics	49
Andraz Gnidovec	Chiral collective rotations in systems of catastrophic filaments	50

Felix Wodaczek	Unraveling the Mechanics of the FtsZ Ring during Bacterial Cell Division	51
Fernanda Pérez-Verdugo	Coarse-Grained Model of Collagen IV: From Bond Turnover to Network Dynamics	52
Anton Goloborodko	Polymer models of mitotic chromosome compaction	53
David Voráč	Effect of hydrodynamic interactions in colloidal cluster waves	54
Magdalena Häupl	A Novel Always-Accepting Algorithm for Transition Path Sampling	55
Roman Staňo	Twist and Writhe of Ring Polymers	56
Bence Kovago	Polymers at the air-water interface	57
Jan Smrek	Topology-controlled microphase separation and tuning of DNA mobility in entangled solutions of supercoiled plasmids.	58
Gerhard Jung	Kinetic Theory of Collective Learning for Smart Active Matter	59
Benedikt Hartl	How to Swim Without a Brain: Neuroevolution of Scalable and Robust Decentralized Microswimmer Locomotion	60
Florian Benedetti	HolowaterAI: Monitoring, predicting and understanding mountain spring water's environmental properties	61
Aida Naghilou	Scanning probe microscopy for elucidating the rheological properties of biomolecular condensates during gelation and rejuvenation	62
Tanmay Biswas	Non-equilibrium Phase Separation Dynamics Under Shear	63
Anton Lüders	Hierarchical quasi-universal thermodynamic behavior of convex-hard-body fluids	64
Bhavana Sathish		65
Roman Hajdu		66