Posters - Main-Neckar Martini User Meeting, 13-14 February 2025

01	Sanjoy Paul	Computational investigations of the interactions between nanoparticles and plant cell walls
02	Maziar Heidari	Refined Protein–Sugar Interactions in the Martini Force Field
03	Christina Goss	Parameterizing the O-Linked Glycans of the Intrinsically Disordered Glycoprotein Lubricin for the Martini 3 Coarse-Grained Force Field
04	Paulius Greicius	Coarse-grained model of chondroitin sulfate A
05	Francesco Carnovale	Molecular Dynamics Polymerization Study of Orthosilicic Acid in Solution Using a Reactive MARTINI 3 Force Field
06	Thilo Duve	Parameterization of Molecular Photoswitches for Martini 3 and their Application in Photoswitchable Kinase Inhibitors
07	Johanna Buck	Coarse-Graining With Martini 3 For Studying Crosslinked Collagen Fibrils Under Force
08	Gabriel Hella	Role of low-complexity and amphipathic regions of Ede1 on ENDs formation
09	Lucia Baltz	Hierarchical Interaction in Biomolecular Condensates
10	Elena Spinetti	Coarse-grained simulations of intrinsically disordered regions
11	Sergia Alejandro Poveda Cuevas	Modeling autophagic processes using the MARTINI force field
12	Ana Marija Knez	The Role of Sphingomyelin in FGF2 Membrane Translocation
13	Kateryna Lohachova	Quantifying membrane perturbation induced by membrane-remodeling proteins
14	Jose Guadalupe Rosas Jimenez	Modeling lipid binding to tafazzin and the effect of membrane curvature in cardiolipin remodeling
15	Melanie König	Investigating Membrane Curvature Effects on Lipid Distribution and Protein Function Using Coarse-Grained Simulations

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16	Cyrille Ngueldjou Tahabo	Designing Novel DNA-Based Transmembrane Receptors through Molecular Dynamics Simulations
17	Matthias Post	AI-Guided Transition Path Sampling of Lipid Flip-Flop in Atomistic and Coarse-Grained Simulations
18	Giovanni Settani	Investigations of the Fusion Process of Lipid-Based Nanoparticles with Model Endosomal Membranes Using Coarse-Grained Molecular Dynamics Simulations
19	Jonas Lehnen	Polyplex formation process investigated by coarse-grained simulations
20	Kristyna Pluhackova	Molecular determinants of solvent nanoseparation by amorphous carbon materials