



COMPUTATIONAL SOFT MATTER AND BIOPHYSICS



SYMPOSIUM, HEIDELBERG, MAY 12 & MAY 19, 2022
THEORETICAL PHYSICS CAMPUS, Philosophenweg 19, 14:00

Tristan Berau: The unreasonable effectiveness of multiscale modeling in soft materials discovery

Susanne Liese: Modeling biophysical cooperation at the nanoscale

Ville Kaila: Unified principles of energy conversion in complex biological systems

Maria Reif: Advanced free-energy calculations to study biomolecular association and conformational change

Roberto Covino: Investigating mechanisms of biomolecular self-organization by integrating physics-based simulations and AI

Aljaz Godec: Towards a physically consistent coarse graining far from equilibrium

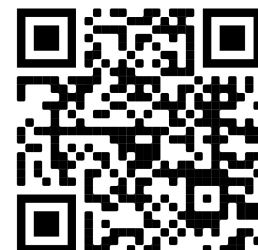
Arash Nikoubashman: In Silico - From Theoretical Models to Bio-Inspired Materials

Ana-Sucana Smith: Multi-scale modelling and simulations of living and functional materials interfaces

David Zwicker: Physical models of biomolecular condensates

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