

# ESPResSo summer school

## Preliminary program

	Monday	Tuesday	Wednesday	Thursday	Friday
8.00 - 9.00	Registration				
9.00 - 10.00	Introduction to particle-based simulations What can be done with ESPResSo?	Charged soft matter and how to treat pH-dependent ionisations	Analysis and management of scientific data	Tutorial: Electrokinetics	Scientific talk: Timm Krüger
10.00 - 10.30					Scientific talk: Sebastian Bindgen
10.30 - 11.00	COFFEE BREAK				
11.00 - 11:45	Introduction to electrostatics First simulations with ESPResSo	Magnetic soft matter	Introduction to the lattice-Boltzmann method for hydrodynamics	Active matter	Scientific talk: Peter Kosovan
11.45 - 12.30					Scientific talk: Jonas Landsgesell
12.30 - 14.00	LUNCH BREAK				Closing remarks
14.00 - 15.30	Tutorial: Lennard-Jones liquid	Tutorial: Charged polymers and the reaction ensemble	Tutorial: Lattice-Boltzmann method for hydrodynamic interactions	Tutorial: Active matter	
15.30 - 16.00	COFFEE BREAK				
16.00 - 17.30	Tutorial: Electrostatics	Tutorial: Magnetic fluids	Electrokinetics and reactions	Espresso user and developer meeting (16:30)	
18.00 - 19.00	Scientific speed dating				
19.00 - 22.00	BBQ and poster session			Speakers' dinner	