

GRK 2516 Soft Matter Seminar

Nov. 25, 2021 at 10:45 a.m.
Newton room

Research seminar of the DFG Research Training Group GRK 2516 (<https://grk2516.uni-mainz.de>).

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Challenges and solutions to create microgels via microfluidics

Though the basis of microfluidics is simple, the creation of microgels via microfluidics faces various challenges. I report different working experimental setups for the creation of micro hydrogel particles as well as analytics of the swelling kinetics of the obtained micro-hydrogels. Furthermore, the challenges of creating core-shell microparticles, with temperature-sensitive cores and temperature-insensitive shells and possible solutions will be presented.