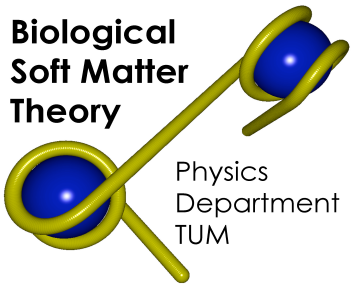

"Soft-Matter Seminar"

Osmotic manipulation of colloids

Prof. Lyderic Bocquet
University of Lyon
Condensed Matter Lab - LPMCN – CNRS

Abstract:
Diffusiophoresis is an interfacially driven transport phenomenon, leading to the movement of macro- molecules under solute gradients. Physically this phenomenon results from osmotic driving forces located within a nanometric diffuse interface at the boundary of the particles. However, it is an efficient - and quite unexplored - mean to drive and manipulate particles. In this talk, I will present various experiments exploring the potentialities offered by this phenomenon, from pattern formation, mixing to self-propelled (active) colloidal suspensions.

Mittwoch, den 2.3.2011
16:00 Uhr
Raum PH 3344

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