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## ***Osmotic manipulation of colloids***

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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 to self-propelled (active) colloidal suspensions.