Prof. Müller and his team investigate, among other things, spherical nanocapsules which contain a large number of well-defined pores. Through these apertures, different species can be introduced into the capsules. The scientists have identified the plugs which lead to the stepwise pore closing and opening. The research team is the only one worldwide that can tune the interior of nanocapsules with different functions (influencing the encapsulates) at a large number of positions.