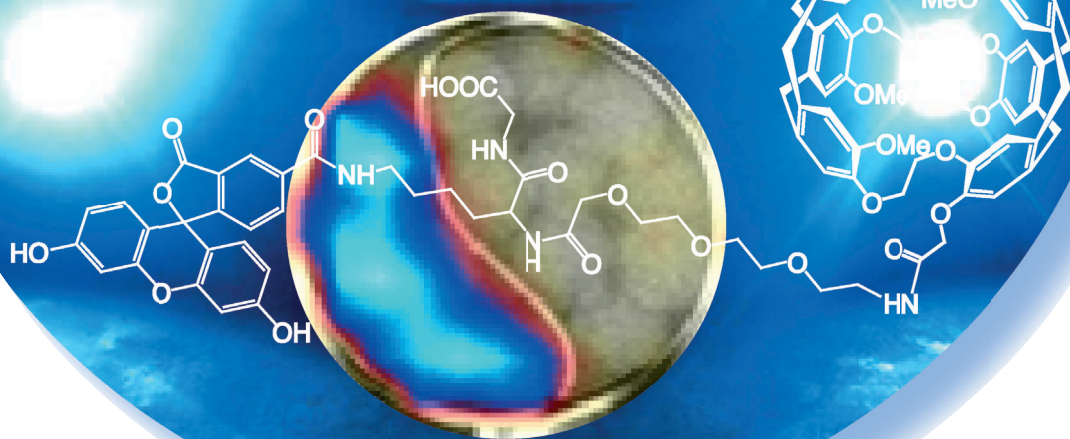
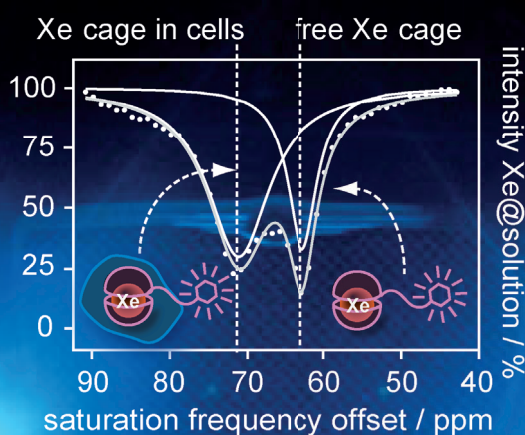


Xenon lights up the dark



Sensitive MRI cell tracking ...

... with switchable contrast can be achieved using cryptophanes (CrA) as xenon hosts, as demonstrated by L. Schröder et al. in their Communication on page 493 ff. Cellular uptake of the lipophilic cages, as identified by a unique chemical shift, is determined using hyperpolarized ^{129}Xe and chemical exchange saturation transfer. Localization of the labeled cells can be achieved with a single Hyper-CEST acquisition at low micromolar CrA concentrations.

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