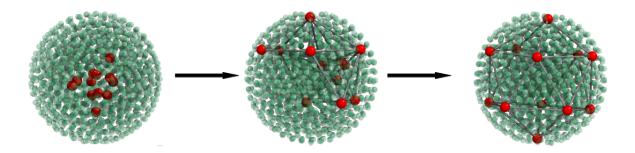


## Entropy traps in spherical confinement

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In this presentation, we show evolution of large particles in a pool of small particles in a spherical confinement and subsequently the role of confinement in selectively trapping large particles into minimum free energy positions on the confinement surface. Potential mean force (PMF) based free energy calculations indicate that these minimum free energy positions correspond to icosahedra vertices.



Evolution of large particles (red) in small particles (green) in the spherical confinement with time.