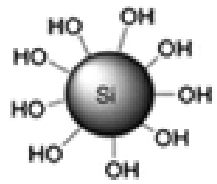
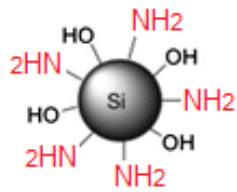


# Novel PAL immobilization

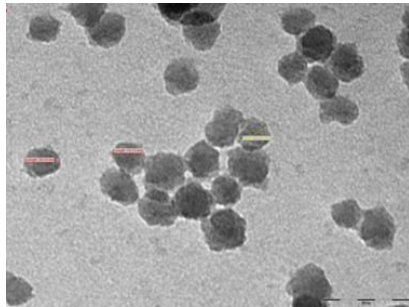
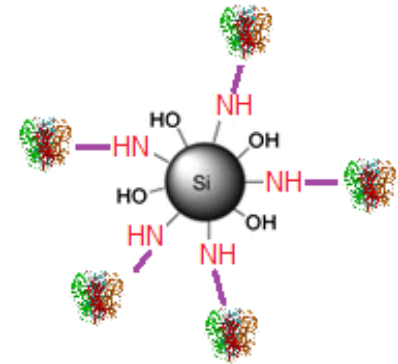
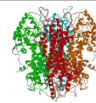
Covalent binding to aminoalkyl-coated silica nanoparticles



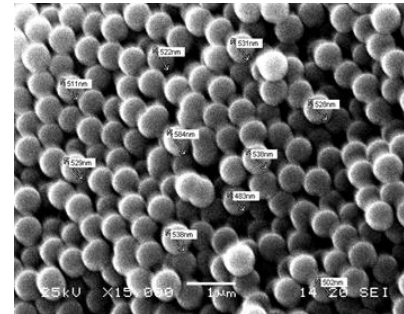
reactive functions  
at the surface



PcPAL or RtPAL binding  
onto the nanoparticle (NP)



TEM



SEM