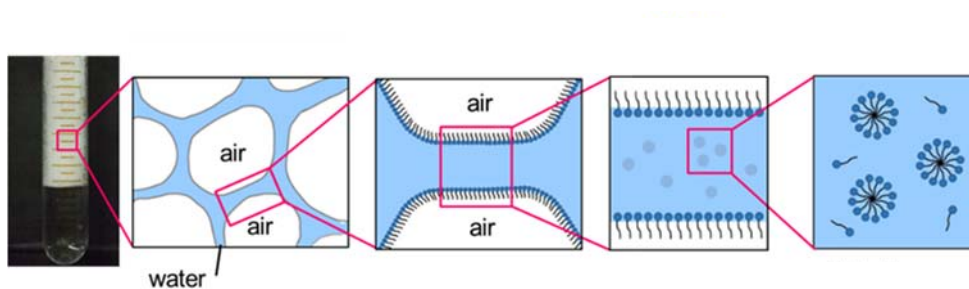


Colloid and surface chemistry: Research on properties and nanostructure of molecular assemblies

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Microstructural Characterization of Foam Formed by Novel Surfactant

We investigate the structure of molecular assemblies such as micelle, liquid crystal, foam, emulsion and nano particles to improve properties and functionality. We also investigate the nano-structures of the molecular aggregates by the measurements of small-angle X-ray or neutron scattering (SAXS, SANS), analyze the relationship between molecular structure of surfactant and molecular assemblies.

Keywords : Surfactant, Molecular Assembly, Foam, Small-angle X-ray and neutron scattering, Structural analysis