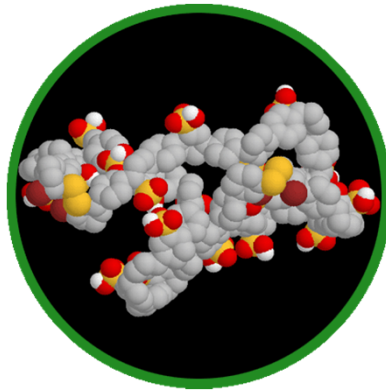
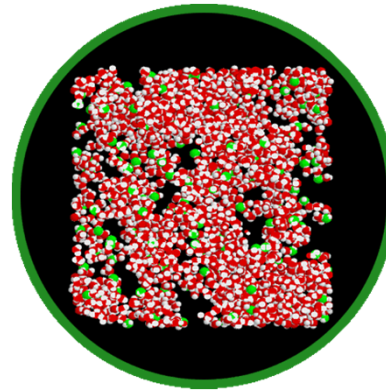


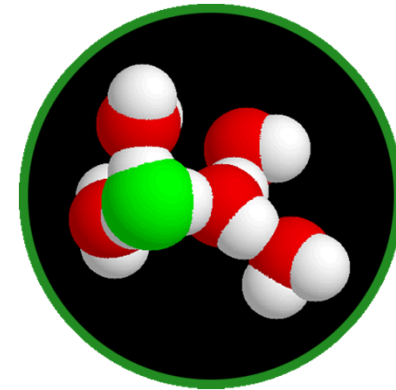
Transport in Polymeric Membranes



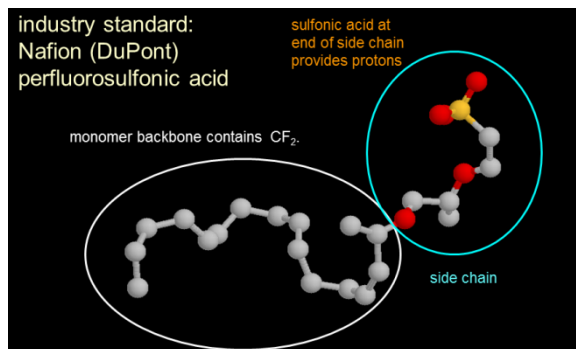
polymer chemistry



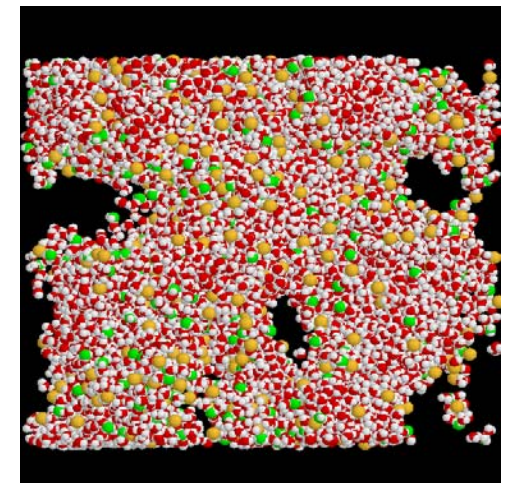
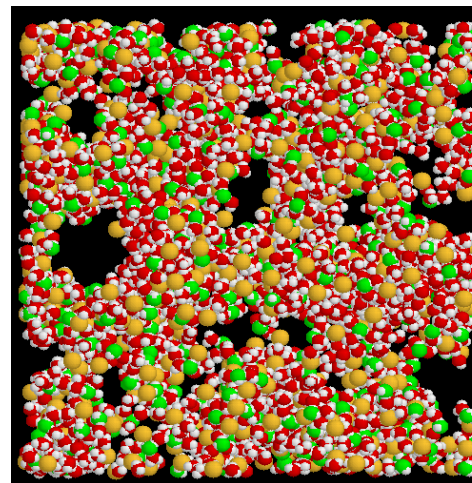
membrane morphology



water and ion transport



Phase segregation into polymer and aqueous domains on the nanoscale. Must determine morphology to understand transport behavior.



Snapshots of aqueous domain (polymer invisible) in dry (left) and wet (right) membranes. Morphology changes dramatically.