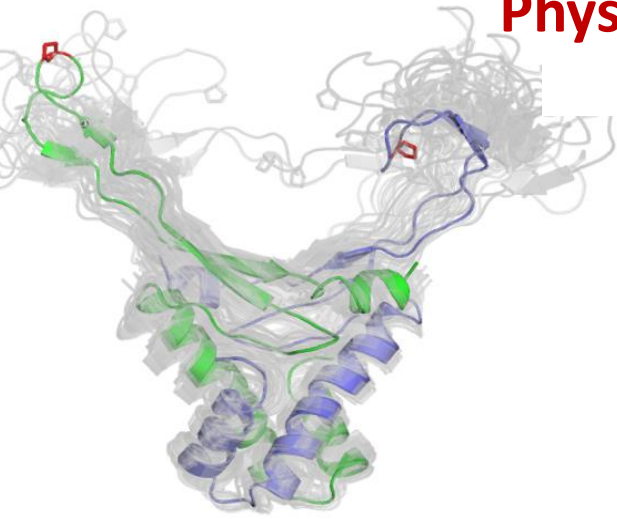


Physics 393: Introduction to Biophysics



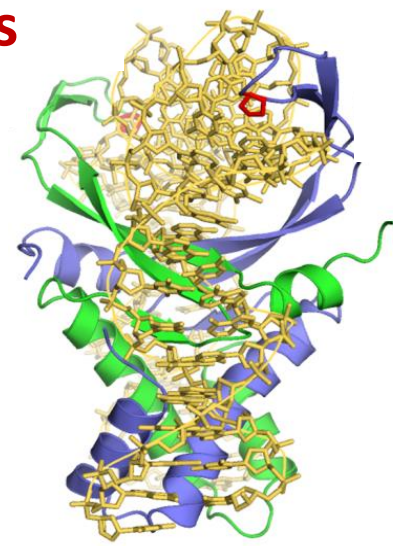
Fall 2014

CRN 19410; 3 credit hours

T, R: 11am-12:15pm

Instructor: Prof. Anjum Ansari

(312-996-8537; email: ansari@uic.edu)



Introduction to force, time, energies at nanometer scales; entropy and free energy; Boltzmann distribution; hydrodynamic drag; Brownian motion; molecular interactions; DNA, RNA, protein structure and function; binding thermodynamics; allostery

Prerequisite(s): Phys 107/108 and Math 180, or Phys 142 (or consent of instructor)