

P847: Readings on Proteins (To be discussed in class Sept 25)

Read the two Protein papers posted on the website.

1) Li H, Helling R, Tang C and Wingreen N. *Science* **273**, 666 (1996).

2) Khatib F et al. *Nature Struct Mol Bio* **18**, 1175 (2011).

The first covers the folding of random Protein sequences and the resulting statistics. It turns the RNA ideas into the notion of 'designability' (i.e. can we make any structure we want). The 2nd paper is a short communication on using crowd computing to solve the protein folding problem.

Come prepared to discuss each figure. Are the results sound? what are the conclusions? what questions remain unanswered?