

Agard Protein Folding: Discussion Papers 2A,B

Paper 2A

Carrion-Vazques, M., Oberhauser, A.F., Fowler, S.B., Marszalek, P.E., Broedel, S.E., Clarke, J., and Fernandez, J. "Mechanical and chemical unfolding of a single protein: a comparison." **PNAS** **96**:3694-99 (1999)

Khorana

- 1) Intro, define expt, Fig 2
- 2) Fig 3, why is there speed dependence
- 3) Fig 6, comparison between mechanical, chemical unfolding

Curie

- 1) Pulling experiment, Fig 2, Monte Carlo simulations
- 2) Figs 4,5
- 3) Fig 7 how did they get these curves

Paper 2B

Brockwell, D.J., Paci, E., Zinober, R.C., Beddard, G.S., Olmsted, P.D., Smith, D.A., Perham, R.N. and Radford, S.E. "Pulling geometry defines the mechanical resistance of a β -sheet protein." **NSB** **10**:731-737 (2003)

Anfinsen

- 1) overall experimental strategy, Fig 2
- 2) Fig 4
- 3) Fig 3

Gibbs

- 1) Fig 3
- 2) Fig 5
- 3) Fig 6