

MCDB 4550/5550
Molecular and Cellular Biophysics
Perkins
Assignment #12
Due Thursday, April 25th at the end of class

1. Bring three (3) well thought out questions about the literature paper to class and hand them in.

Additional questions on the paper for you to answer.

- 1.1 What metric was thought to determine if a protein could be translated through the T3SS prior to this work?
- 1.2 What evidence was this hypothesis based on as presented by the paper?
- 1.3 What key experimental condition is necessary to determine the thermodynamics stability?
- 1.4 Explain why a large Δx^\ddagger leads to low unfolding force.