

MCDB 4550/5550
Molecular and Cellular Biophysics
Perkins
Assignment #3
Due Thursday, February 22nd at the end of class

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

Additional questions on the paper for you to answer.

- 1.1 Why don't the authors like an asymmetric hand over hand model?
- 1.2 How did they measure torsional stiffness of a kinesin head?
- 1.3 Why use DIC microscopy instead of fluorescence to image the microtubule?
- 1.4 Describe one of the control experiments that they did?