Assignment #9
Due Thursday, April 7th 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 Why doesn’t the Dam1 complex fall of the end of a depolymerizing microtubule? More complex, what is one possible explanation why does a Dam1 complex stay attached to a growing microtubule under tension?

1.2 How do the authors attach the microtubule to the surface?

1.3 What range of forces can a depolymerizing microtubule exert via the Dam1 complex onto the optically trapped bead?

1.4 How many Dam1 complexes are on each bead? Thoughts on why this number? Think about how the assay is initiated.