2013 Spring PHYS 7685
Physics of Living Organisms

Lecturer                Jane Wang             jane.wang@cornell.edu
Room/Times              TR 1:25 - 2:40pm   RCK189

Topics:

1. What is a living organism?

2. Falling dynamics and evolution of seeds

3. Bio-Locomotion and neural computation

4. Interaction between organisms (Prey-capture dynamics)

We will read, discuss, and work on projects related to these topics. There will be reading assignments for discussion and also a semester-long project. For an example of how each module is likely to be structured, see http://dragonfly.tam.cornell.edu/teaching.html under spring 2012 basic training module in condensed matter theory, or write to me.