

ANALYSIS AND MODELING OF CELL MECHANICS

Homework #1 (due 1/16/13)

This homework involves the use of UW's "Foldit" game to understand protein folding.

Download the Foldit software from the website and create an account for yourself:

<http://fold.it/portal/>

Your homework is to complete all 32 puzzle tutorials:

1. Sidechains (3)
2. Backbone Packing (3)
3. Hydrogen Bonding (5)
4. Hydrophobics and Hydrophilics (5)
5. Tools and Types (5)
6. Sequences (3)
7. Protein Design (4)
8. More Molecules (4)

After completing the tutorials, you need to print your accomplishment:

- Go to the Foldit website and log in to your account.
- Click on the link to "My Page" in the upper right corner.
- Check the list of your achievements for your account.
- Print this page and turn it to me. Don't forget your name!