

1 April 2008 Protein Bioinformatics

PDF of lecture slides at course site:

<http://www.biostat.jhsph.edu/~iruczins/teaching/260.655/>

Homework from 25 March class due this week

Suggested reading:

Protein Structure and Function, Petsko, Ringe [35-53\$]
Most of Chapter 5

Structural Bioinformatics, Bourne, Weissig [60-74\$]
Chapters 4+5

Objectives.

1. Describe the growth of protein structures in the Protein Data Bank
2. Define 'structural genomics' and its primary goal
3. Identify the general steps in NMR and x-ray crystallography
4. Describe the pros and cons of NMR and x-ray crystallography
5. Understand the contents of the PDB file header