

BMB623 SPRING 2008

tentative SCHEDULE

'CELLULAR BIOCHEMISTRY' INSTRUCTOR: D. HEBERT

1. **March 24 Mon.** *in vitro* protein folding
2. **March 26 Wed.** *in vivo* folding, Part I *Foldases and redox regulation* (Petsko & Ringe 1-9)
3. **March 28 Fri.** *in vivo* folding, Part II *Chaperones*
4. **March 31 Mon.** *Chaperones –continued-*
5. **April 2 Wed.** Paper Discussion: *Weissman et al., Cell 1996*
6. **April 4 Fri.** Cotranslational folding/pro-sequences
7. **April 7 Mon.** Intro to Mass spectrometry (Dr Steve Eyles Director MS facility)
8. **April 9 Wed.** Paper Discussion: cotranslational folding and oxidation
9. **April 11 Fri.** Protein-protein interactions
10. **April 14 Mon.** Review for Test
11. **April 16 Wed.** *****EXAM #3***** (in class)
12. **April 18 Fri.** **Part #2 Molecular Membranes Bio** Membrane Proteins characterization (Petsko & Ringe 1-11)
13. **April 23 Wed** Papers discussion and on-line membrane protein characterization
14. **April 25 Fri.** Protein Translocation (Petsko & Ringe 3-6,7)
15. **April 28 Mon.** Protein Modifications (carbohydrates and lipid; Petsko 3-12, 18, 19, 20)
16. **April 30 Wed.** Quality Control, Degradation and UPR (Petsko & Ringe 3-11, 4-15); Membrane Fusion and protein trafficking
17. **May 2 Fri.** Paper Discussion: *Rivera et al., Science 2000*
18. **May 5 Mon.** Review for Test
19. **May 7 Wed.** *****EXAM #4***** (in class)
20. **May 9 Fri.** no class
21. **May 12 Mon.** Test reviewed