

## BIOL 263 Fall 2011

### Molecular Tutorial Proposals

Proposals for your molecular tutorial are Due on *Wednesday Oct. 12, at the beginning of class.*

- Projects will be undertaken by pairs of students.
- You have wide latitude in the nature of the molecule you choose to present. However, you should pick a structure derived by X-Ray crystallography. Solution NMR structures present technical problems that you will want to avoid.
- Make sure to pick a molecule that has not been presented in a previous class project (here or elsewhere).
- I recommend choosing a molecule involved in one of the processes we cover in this class: transcription, replication, recombination, RNAi, translation, splicing, etc.
- Structures that present an interaction between molecules make for a more interesting presentation. For example, a transcription factor bound to DNA, a receptor and its ligand, a protein and a drug; two proteins in complex. More interactions make for more possibilities for discussion.

Your proposal should include the following:

- Clear identification of the students in the partnership. Submit one proposal for the team.
- The name of the molecule and its pdb accession number.
- A sentence or two about what the protein does and why it is an interesting and appropriate model for this project.
- A copy of the paper(s) in which the structure was reported. Availability of a high-quality, color copy of the paper is key to success.