

BIOL 263 Fall 2016

Molecular Tutorial Proposals

Proposals for your molecular tutorial are due (uploaded on Moodle) by *Tuesday, October 11th at midnight*. This will allow me time to evaluate the suitability of your molecule and suggest you find a new one (if needed) prior to our first workshop. You may of course, turn your proposal in earlier.

- 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). You can check this by Googling your molecule of interest.
- While I recommend choosing a molecule involved in one of the processes we cover in this class: transcription, replication, recombination, RNAi, translation, splicing, etc. you are not limited to a molecule involved in these processes.
- 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.
- If you're not sure if the paper you want to use is appropriate, check with me.

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 molecule 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 a key to success. Start early so that you can use interlibrary loan service, if necessary. This should also be uploaded to Moodle as pdf.