

Biophysical Chemistry I, Fall 2010

Instructions for final presentation

1. Go to <http://rcsb.org>. On the left, look for “Education” and “Molecule of the Month”. On the latter page, choose “list view of archive by date”, to order to see all previous molecules of the month.
2. Choose a PDB ID that has *not* ever been a molecule of the month. Email your choice to case@biomaps.rutgers.edu, so that I can ensure that there are no duplicates. Also let me know if you will be unable to attend class and give a presentation on any of the following dates: Nov. 30, Dec. 2, 7 or 9.
3. Prepare a 12-15 minute presentation on your chosen PDB entry, following the general format of a molecule of the month. The presentation should provide background on the biological context of this molecule, should explore the structure (pointing out its architecture and interesting points), and should explain how knowledge about the three-dimensional structure helps one to understand its biological function. The intended audience is your fellow students, not the instructor: work hard to be clear, to explain unfamiliar concepts, and to serve an educational purpose for the class.
4. For the background and biological function sections, you may use or adapt figures from the literature, with proper attribution. All figures in the “exploring the structure” section must be ones you construct, and may not be taken from the literature.
5. You must also prepare a written report to go along with the oral presentation. This should have a written-out version of the material you present in the oral version, plus literature references. The text part should be 2-3 pages single spaced; total length of the paper will depend on how many figures you have and how big they are. Please submit the report in PDF format; due date is Dec. 13 (final day of classes of the Fall semester).