

## **Individual Project Report**

(150 points; ~5 pages)

Due Date: By end of your section on Week 6!

Your individual project report, which should be approximately five (well-written!) pages in length, should summarize what is already known about the family of drugs that you chose for your proposal.

You must:

- Summarize the functional groups present in your molecules: point out which groups are lipophilic, hydrophilic, hydrogen-bond donors, hydrogen-bond acceptors, might be transformed by metabolic processes (and suggest what sort of transformations you expect), likely to cause toxicity (and suggest what sort of toxicity you might expect), etc.
- Discuss in detail what has been reported in the literature about both the pharmacodynamics and pharmacokinetics associated with your molecules. As part of your discussion on the pharmacodynamics, discuss if a pharmacophore model is known or if none is contained in the literature, propose one based on the functional groups in the drug family. **This portion of the report must be appropriately referenced.** Please be sure to avoid plagiarism at all costs! (We have a zero tolerance policy regarding plagiarism).

**Wikipedia is NOT a reliable source.** If you have any questions about appropriate referencing practices or plagiarism, please ask the Professor or your TA. In addition, useful information can be found at:

<http://cai.ucdavis.edu/plagiarism.html>  
<http://sja.ucdavis.edu/files/plagiarism.pdf>