

### Project and Poster Presentation Guidelines

Students in the Chem162B class are expected to write a final project on the topic of their choice. Recognizing the individual nature of the projects, students have freedom to format the project to in the way they feel will best show their work. The brief guidelines below are meant as suggestions to organize the project.

- 1) A brief abstract (40-60 words are sufficient)
- 2) Clear and brief introduction about the disease
- 3) Target validation; existing approaches that go after this target  
Your intro and validation may be abbreviated copies of your Chem162A intro. Please indicate explicitly any significant changes that you have made in response to the feedback about your original intro and validation
- 4) Your strategic plan. This should include the rationale behind choosing a particular approach (ligand-based, structure-based, combi-chem, gene-therapy etc.)
- 5) Your tactical plan and preliminary results. What are you proposing to do and what have you accomplished so far.
- 6) Method's section. How did you get the preliminary results, how would you do the experiments if you could do them. If you are proposing to use some exotic techniques, describe these in detail.
- 7) Self-critique of your approach. What are the main difficulties one would encounter in this path. What is needed to overcome these difficulties?
- 8) Literature references in a self-consistent style.

#### Presentation grading (50 pts)

In grading the project, the depth and quality of the introduction and target validation is considered secondary as this part was already graded in Chem162A. However, these parts are required and improvements over Chem162A work will be appreciated.

In grading the project, main emphasis will be on your strategic and tactical plan. A thorough literature research on approaches to find therapeutics that interact with the target of your choice will be rewarded. Uniqueness of your approach, as opposed to reiterating old ideas, will be appreciated. Your demonstrated understanding of methods you propose to use will get credit. Your work toward obtaining preliminary results (e.g. identifying pharmacophores, docking) and creation of helpful illustrations (molecular visualization) will be rewarded. Good organization and clear presentation (e.g. drawn chemical structures instead of IUPAC names, appropriate references) is expected.

Turning in "project updates" after the poster session can earn you up to 5 pts. The updates should be based on the feedback you got in the poster session. Please be specific on who suggested what to you.

#### Poster grading (20 pts)

In grading the poster presentation; you will receive equal share of points in four categories:

|                                    |                           |                          |                                   |
|------------------------------------|---------------------------|--------------------------|-----------------------------------|
| Background<br>Research<br>(Target) | Novelty<br>of the<br>Idea | Proposed<br>Work<br>Plan | Quality<br>of the<br>Presentation |
|------------------------------------|---------------------------|--------------------------|-----------------------------------|

The grades are: Excellent: 5, Good: 4, Adequate: 3, Poor: 2, Very Poor: 1 Missing: 0