Goal: To use peer review comments and criticisms to modify and improve your Design Project proposal.

Due date: May 12, 2015

Format: 4 pages max, 0.5" margins, single spaced, Arial 11pt

Guidelines and tips for project:

Break new ground: Your goal is to build upon current knowledge, not to replicate previous work. You need to think beyond current capability (and know your field – see “Research” below).

Think big, but work small: your project goal should be clearly integrated with a bigger picture, but it may be best to focus on a specific protein engineering technology for your efforts to provide novel advances related to your problem.

Research: you will need to independently identify research materials and other sources to drive your project forward.

Communication: It is essential that you communicate your goals and approaches clearly. You need to make sure to convince me that you know what you are doing. Be explicit and proof read your reports.

Creativity: Incorporate unusual sources of information and innovative ways to approach and present your project.

Task: In your written report for May 12, address items 1-10 below.

1. Group name and member(s): (2-3 students)
2. Problem: state the problem to be addressed (1-3 sentences; updated from HW#4 and HW#5)
3. Main goal: state the goal of your proposed project (1-3 sentences; updated from HW#4 and HW#5)
4. Experimental approach: describe your experimental strategy to achieve your goal.
5. Hurdles: Identify the 1-2 biggest obstacle(s) of your project and your strategy to overcome them.
6. Comparison to a related project by others: Compare your project to similar ones that you have come across when researching your own. How are your ideas different from existing strategies? How is your project advancing the field using protein engineering?
7. Progress: Bullet point specific progress you have made on the project since HW#5.
8. Propose a format for your project report and presentation
9. In addition to my/our written report, I/we will use the following (for the final report and/or presentation):
   - Figures
   - Diagrams
   - Flow charts
   - Drawings
   - 3D “arts” projects
   - Movies
   - Software
   - Tool prototypes
   - Interpretive dance
   - Other (describe in 10 words or less):

10. Sources: List all sources of information and reference using a consistent format.