

## **BINF 730 – Biological Sequence Analysis Final Projects**

Final Project Proposal Due March 19, 2008

Final Project Presentation on April 30, 2008

For the final project for the course the students will present some current bioinformatics research found in the literature. The students must do the following:

1. Find a bioinformatics article from the literature and duplicate the work presented in the article.
2. Add some additional piece of research not included in the article. This can be some addition to an existing algorithm, addition analysis using existing tools or codes derived in class or comparison to one of the methods discussed in class
3. Make a 15-minute presentation on April 30, 2008 explaining the background for the article, what the researchers did in the article and what the students have added.
4. The groups should meet with me weekly to discuss progress, get help with problems, and let me know what they have planned for the next week. This should be similar to the timeline described in the proposal.
5. A short written report (approx 5 pages)

For the project proposals due March 19, 2008, write up and turn in approximately 1 page describing the following:

1. Identify the members in the group.
2. Choose an article (you might want to show this to me before hand to get my input).
3. Describe what the group plans on doing including a week by week timeline of project tasks. Note that this can be modified during the course of the project if a new interesting idea comes up or for another good reason.

Grading for the final project will be based on the following criteria:

- 25% project proposal
- 25% sticking to time line and meeting goals set each week in the weekly meetings
- 50% final project presentation and written report on April 30, 2008.