BMB 633 Cellular Biochemistry and Biophysics
Tu/Th 9 – 10:30 am, 255 Anatomy-Chemistry Building; Starts Thursday, September 15

Course directors:
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Course Syllabus: The syllabus of this course is linked to BIOM600, Cell Biology and Biochemistry. It is intended to reinforce and extend select aspects of the material covered in BIOM600 that are relevant to students in the Biochemistry and Molecular Biophysics graduate group.

General Class Organization: Each class will begin with 10-15 minutes of open discussion during which students can raise question or comments relating to the material covered in recent BIOM 600 lectures. These need not be related to the assigned reading. When possible we request that students post their questions and comments on the blackboard site by 6 pm the day before each class so that all can be prepared for discussion.

Following this open discussion attention will turn to the assigned reading. All students are expected to be able to present an approximately 5 minute summary of the contents of the paper covering the questions that were addressed, important techniques employed, key observations, conclusions etc.

We will not attempt to go through every detail of these papers, as one might in a traditional journal club. Rather discussion will focus on three or four questions relating to the material covered in the papers. These questions may focus your attention on one of the techniques used in the paper, or suggest deeper consideration of one aspect of results or discussion. Questions will be posted on the blackboard site at least two days before each class.

To keep this class as interactive as possible we will also encourage students to post their own discussion issues related to the papers on the blackboard site again posting these by 6 pm the evening before the class.

Homework: Read the one or two assigned primary research papers prior to the class. Pdf versions of assigned papers will be posted on the blackboard website at least a week prior to each class. Be prepared to present a 5 minute summary and to discuss the assigned focus questions.

Grading: Grading will be based on ability to present a summary of the papers and participation in class discussion.

Example references: subject to change –papers for first class will be posted to blackboard by 9/12.

9/15 relating to lecture on 9/14: Kate Ferguson (Protein Structure and Folding)


9/20 Relating to lecture on 9/16: Mark Lemmon (Membranes):


9/22 Relating to lecture on 9/21 Mark Lemmon (Protein Biogenesis):