Chemistry Biology Interface (CBI) Journal Club
BICH 689-607
Spring 2011 Semester
Wednesdays 12:00 noon – 1:00 pm, Room 106A, Biochemistry and Biophysics Department

Instructor Information:
Dr. Paul A. Lindahl, Professor of Chemistry and Biochemistry/Biophysics.
Phone: 845-0956
Email: Lindahl@chem.tamu.edu
Office hours: By appointment
Office location: 1129 of Chemistry

Course Description: The semester will be divided into three sessions, each focused on a different topic. Session leaders will present a seminar during the first week of the session. This will be followed by 3-4 weeks of student-led discussions. During these discussions, assigned students will lead the class in discussing the primary research literature. Articles will be selected by the Session Leader, and will be distributed to the class at least one week before they will be discussed.

Prerequisites: Must be a graduate student in either the Biochemistry and Biophysics, Chemistry, or Biology departments at Texas A&M University.

Course Topics and Calendar of Activities:

Session 1: Iron in Health and Disease
Session Leader: Professor Paul A. Lindahl (Departments of Chemistry and Biochemistry/Biophysics)
Jan 19: Seminar by Dr. Lindahl
Jan 26: Student-led Discussions
Feb 02: Student-led Discussions
Feb 09: Student-led Discussions
Feb 16: Student-led Discussions

Session 2: Computational Cell Biology
Session Leader: Professor Paul A. Lindahl
Feb 23: Seminar by Dr. Lindahl
Mar 02: Student-led Discussions
Mar 09: Student-led Discussions
Mar 23: Student-led Discussions
Mar 30: Student-led Discussions

Session 3: Enzyme Function Discovery
Session Leader: Professor Frank M. Raushel (Departments of Chemistry and Biochemistry/Biophysics)
April 06: Seminar by Dr. Raushel
April 13: Student-led Discussions
April 20: Student-led Discussions
April 27: Student-led Discussions
May 04: Student-led Discussions

Learning outcomes: To learn about research at the chemistry:biology interface and develop an ability to critically read the primary research literature related to this interface.

Textbook: none

Grading: Based on participation (75%) and attendance (25%). Students are expected to have read each article and participate extensively in discussions. They should bring a hard-copy of the article to class. Powerpoint can be used, but this is neither expected nor encouraged. The exception will be for the opening presentations by the Session Leaders. Discussions should be informal and unintimidating.

Americans with Disabilities Act Policy Statement: If you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information, visit http://disability.tamu.edu