

Professor: Dr. Andy Karplus, ALS 2037 (karplusp@oregonstate.edu)

Required Text: assigned readings

Course Hours: M 5:00 – 5:50 p.m. in ALS 2040 (some sessions until 6:30)

Course Credits: This course combines approximately 10 hours of in-class activities with roughly 20 hours of reading, studying, and assignments for 1 credit

Office Hours: By appointment

Course summary: Presentations of current research, with a focus on the skills needed for organizing, developing and delivering oral presentations.

Targeted learning outcomes: Through taking this course, successful students will:

1. Develop skills for critiquing and preparing seminars in biochemistry and biophysics
2. Complete a first draft of the BB grad student annual evaluation form
3. Prepare and present to the department a 10-minute talk on their research rotation project
4. Gain awareness of topics and concepts related to equity and inclusion such as:
 - Become familiar with current events regarding historical and continuing inequities and harassment that cause differential challenges for scientists in biochemical sciences.
 - Explain how systems of oppression work to maintain social inequities (including concepts of implicit bias, intersectionality, privilege, and fragility)
 - Reflect on personal values related to equity and inclusion and analyze how academic systems such as classrooms, conferences, informal interactions (including in our department/programs) manifest and maintain aspects of privilege and oppression
 - Know what a bias incident is and campus resources for reporting one

Grading: Based on completion of out-of-class assignments and class participation

Tentative Course Schedule:

January 6 – Course overview; Taking criticism and what makes a good seminar

January 13 – Debrief and Discuss (D&D) Karplus lecture and 2 fall rotation intros; CV

January 20 – Holiday

January 27 – Winter Rotation background talks

February 3 – D&D HyeongJun Kim seminar (1/29); ADVANCE topics

February 10 -ADVANCE topics

February 17 -D&D Scott Hansen seminar (2/12); ADVANCE topics

February 24 - How to organize a journal club paper presentation

March 2 - D&D Deborah Bell-Pedersen seminar (2/26); ADVANCE topics

March 9 - Practice rotation talks round 1

March 16 - Practice rotation talks round 2

Fri, Mar 20 - Rotation talks (3 – 4:30 p.m.)

GENERAL OSU AND DEPARTMENTAL POLICIES

Statement Regarding Students with Disabilities: Accommodations for students with disabilities are determined and approved by Disability Access Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4098 or at <http://ds.oregonstate.edu>. DAS notifies students and faculty members of approved academic accommodations and coordinates implementation of those accommodations. While not required, students and faculty members are encouraged to discuss details of the implementation of individual accommodations.

Statement Regarding Respecting Religious Practices: Oregon State University strives to respect all religious practices. If you have religious holidays that are in conflict with any of the requirements of this class, please see me immediately so that we can make alternative arrangements.

Student Conduct Policies: The Department of Biochemistry/Biophysics follows the university policies on student conduct. These can be found at <http://studentlife.oregonstate.edu/code>

Cheating or plagiarism by students is subject to the disciplinary process outlined in the Student Conduct Regulations. Students are expected to be honest and ethical in their academic work. Academic dishonesty is defined as an intentional act of deception in one of the following areas:

- * cheating- use or attempted use of unauthorized materials, information or study aids
- * fabrication- falsification or invention of any information
- * assisting- helping another commit an act of academic dishonesty
- * tampering- altering or interfering with evaluation instruments and documents
- * plagiarism- representing the words or ideas of another person as one's own

Behaviors disruptive to the learning environment will not be tolerated and will be referred to the Office of Student Conduct for disciplinary action.

The goal of Oregon State University is to provide students with the knowledge, skill and wisdom they need to contribute to society. Our rules are formulated to guarantee each student's freedom to learn and to protect the fundamental rights of others. People must treat each other with dignity and respect in order for scholarship to thrive. Behaviors that are disruptive to teaching and learning will not be tolerated, and will be referred to the Student Conduct Program for disciplinary action. Behaviors that create a hostile, offensive or intimidating environment based on gender, race, ethnicity, color, religion, age, disability, marital status or sexual orientation will be referred to the Affirmative Action Office.