# BMB 495: Senior Seminar, Spring 2021

**Course Schedule**

## I. Class Times and Locations

**Tuesdays, 10:20am - 12:20pm.**

**All class sessions will be on-line: either zoom meeting (all or by section), or pre-recorded module.**

## **3/3** Deadline to drop the course with no grade reported (8pm online)

## II. Session Dates and Descriptions

### A. January 12: Orientation of course

1. **Course organization: please carefully read the course schedule and syllabus, posted on course D2L site.**
2. **Review the organization and set-up of the BMB 495 course D2L site. Please review the content in the “folders” called “Pointers on Reading and Writing Papers” and “Talk Pointers.”**
3. **Sign up for oral presentation topic** **and date and 4 written report time slots (not to include the oral presentation topic you selected) via Sign-up Genius links.** (Please sign up in your proper section: Section 1 for Prof.Carol Wilkins and Section 2 for Prof. Pappan Padmanabhan). If you are not sure which section you are in, please check the course D2L site. The section rosters have been posted.

### B. January 19: Biochemistry Communication and Research

1. **Effective use of online scientific resources,** to advance your ability to discern well-validated information on the web and do literature/web research on biochemical topics to enhance your understanding and presentations (50 min, Health Sciences Librarian Susan Kendall (skendall@msu.edu)

(5-minute break)

1. **Review of course organization and overview on how to read the scientific literature, write good reports without plagiarism, and present effective presentations that engage your audience**, Prof. Carol Wilkins
2. ~11:45 AM:  **Your poster assignment and set of pre-approved poster topics** are available under the “Poster Assignment” folder on D2L. Dr. Wilkins will discuss the assignment and you will **sign up with a poster partner via Sign-up Genius.** Be sure to sign up in the section of the course for which you are registered, since poster partners must be in the same section.
3. **Assignment of career workshop module (by Brian Telfor) and resume/cover letter assignment** handed out by Prof. Carol Wilkins**:** select a job ad and prepare a resume and cover letter to be turned in to the appropriate drop-box by the ***beginning of class on******Tuesday, February 9***.
4. **Assigned Module for next week’s presentations and reports: Prof. Polly Hsu** (pollyhsu@msu.edu) presents on **Translational Landscape and Regulation in Plants**

### C. January 26:

1. At 10:20 AM, students will join their section’s zoom meeting for student presentations on **Translational Landscape and Regulation in Plants**
2. **Assigned Module for next week’s presentations and reports: Prof.** **Arjun Krishnan** (arjun@msu.edu) presents on **Machine Learning for Complex Trait Genomics**

### D. February 2

1. At 10:20 AM, students will join their section’s zoom meeting for student presentations on **Machine Learning for Complex Trait Genomics**
2. **Assigned Module for next week’s presentations and reports: Prof**. **Erich Grotewold** (grotewol@msu.edu)presents on **The Protein-DNA Interaction Landscape**

### E. February 9

1. At 10:20 AM, students will join their section’s zoom meeting for student presentations on **The Protein-DNA Interaction Landscape**
2. **Assigned Module for next week’s presentations and reports: Prof.** **Rob Quinn** (quinnrob@msu.edu) presents on **Molecular Mechanisms Underlying Mucus Dysfunction in Cystic Fibrosis**

### F. February 16

1. At 10:20 AM, students will join their section’s zoom meeting for student presentations on **Molecular Mechanisms Underlying Mucus Dysfunction in Cystic Fibrosis**
2. **Assigned Module for next week’s presentations and reports: Prof. Michaela TerAvest** (teraves2@msu.edu) presents on **Extracellular Electron Transfer**

### G. February 23

1. At 10:20 AM, students will join their section’s zoom meeting for student presentations on **Extracellular Electron Transfer**
2. **Assigned Module for next session’s presentations and reports: Prof. Jin He** (hejin1@msu.edu) presents on **Targeting Stem Cells for Cancer**

### H. March 2: NO CLASS

### I. March 9

1. At 10:20 AM, students will join their section’s zoom meeting for student presentations on **Targeting Stem Cells for Cancer**
2. **Assigned Module for next week’s presentations and reports: Prof. John LaPres** (lapres@msu.edu) presents on **The Aryl Hydrocarbon Receptor and Kynurenine Pathway in Regulating Inflammation**

### J. March 16

1. At 10:20 AM, students will join their section’s zoom meeting for student presentations on **The Aryl Hydrocarbon Receptor and Kynurenine Pathway in Regulating Inflammation**
2. **Assigned Module for next week’s presentations and reports: Prof. Heedeok Hong** (honghd@msu.edu) presents on **The Conformational Nature of Denatured States of Proteins**

### K. March 23

1. At 10:20 AM, students will join their section’s zoom meeting for student presentations on **The Conformational Nature of Denatured States of Proteins**
2. **Assigned Module for next week’s presentations and reports: Prof. Susanne Hoffman-Benning** (hoffma16@msu.edu) presents on **Beyond membranes: The evolution of plant lipid signaling**

### L. March 30

1. At 10:20 AM, students will join their section’s zoom meeting for student presentations on **Beyond membranes: The evolution of plant lipid signaling**

### M. April 6

1. At 10:20 AM, students will join their section’s zoom meeting for **Poster Session 1**

All students will participate in the poster session discussions and evaluate a poster the week they are not presenting a poster.

### N. April 13

1. At 10:20 AM, students will join their section’s zoom meeting for **Poster Session 2**

All students will participate in the poster session discussions and evaluate a poster the week they are not presenting a poster.

### O. April 20

1. At 10:20 AM, students will join their section’s zoom meeting for **Poster Session 3**

All students will participate in the poster session discussions and evaluate a poster the week they are not presenting a poster.

### P. April 30—finals week (10 AM to Noon)

1. At 10:00 AM, students will join their section’s zoom meeting for **Student presentations on their undergraduate research\*,** following the same format as other technical presentations in the course.

\*If unable to complete a research project, student’s may present on a project being carried out in their lab or on assigned papers in the course D2L folder for this session.