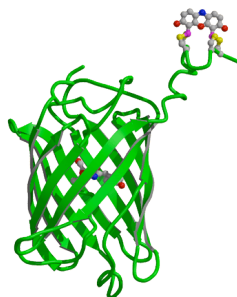


Chem 410 Spring 2009 Biochemistry II

Syllabus Update

Dr. Joseph J. Provost
 provost@mnstate.edu
 www.mnstate.edu/provost
 Phone: 477-5058 / 477-4323
 9:30 – 10:20
 SL 102



GFP: The remarkable brightly glowing green fluorescent protein, GFP, was first observed in the beautiful jellyfish, in 1962. Since then, this protein has become one of the most important tools used in contemporary bioscience. With the aid of GFP, researchers have developed ways to watch processes that were previously invisible, such as the development of nerve cells in the brain or how cancer cells spread.

(nobelprize.org)

Office Hours: Mon 10:30-11:30 Tues 8-9 Wed 10:30-11:30 Fri 8-9 & 10:30-12:30

REMAINING Homework/Activities: This will be worth less than 10% of your total grade.

- MSUM Academic Conference **21 April, 2009**. I, you, we, all fully supportive of scientific and creative research at this university and aren't you glad you knew that. We will not have class on this day. You will be expected to attend / visit 2 posters AND 1 oral presentation. The report form is on the web. (15 points). **Due 24 April.**
- You are required to attend **two** of the several seminars offered throughout the semester. To get the points you must attend and submit a short synopsis of the talk with a review of the main point of the talk. See web for handout (5 pts each).

<u>Lecture</u>	<u>Topic</u>	<u>Chapter</u>
April 6 Mon	Fatty Acid Biosynthesis	15 / 21
April 8 Wed	Exam III – ETS/OxPhos/FA t-port & metabolism	
April 10 Fri	Tissue specialization (Integration of Met.)	15 / 21
April 13 Mon	Signal Transduction I: Hormone Action	21
April 15 Wed	Signal Transduction II: Protein Kinases	21
April 17 Fri	Signal Transduction II: Protein Kinases	21
April 20 Mon	Signal Transduction III: G Proteins	21
April 22 Wed	Signal Transduction III: G Proteins	21
April 24 Fri	Signal Transduction IV: Small G Proteins	21
April 27 Mon	Signal Transduction V: Phospholipases	21
April 29 Wed	Signal Transduction VI: Signaling Pathways	21
May 1 Fri	The Biochemistry of Cancer I	pp.682
May 4 Mon	The Biochemistry of Cancer II	pp.916
May 6 Wed	The Biochemistry of Cancer III	handout
May 11 Mon	Exam IV Integration of metabolism/ Signal Transduction/Cancer 9:00 am - 11:00 am	