

INTRODUCTION TO BIOCHEMICAL RESEARCH (BIOC 496A) - ** REVISED **

Semester: Fall 2008

Meetings: BSW 208: Thursdays 4:00 – 4:50

Instructors: Prof. Bill Montfort, BSW 533, montfort@email.arizona.edu
Invited guests

Office Hrs: Immediately after class or by appointment

Website: <http://www.biochem.arizona.edu/classes/bioc496a>

Grading: **Normal Grading, based on six discussion sheets, 10 points each. A: 45 points; B: 40 points; C: 35 points; D: 30 points.

Format: The goal of this course is to introduce sophomore Biochemistry students to experimental design and data interpretation. Presentations by Biochemistry faculty will alternate with group discussions on experimental controls, conclusions and alternate explanations for a single published experiment. A written summary is due the week following each discussion. This summary will address the following points:

- (1) What question was addressed in the experiment?
- (2) What was measured?
- (3) What controls were employed?
- (4) What conclusions were drawn?
- (5) Suggest an additional control for the experiment and describe why it might be needed, or an alternative explanation for the data provided.

Schedule:

Aug.	28	1.	Introduction
Sept.	4	2.	Prof. William Montfort (overview)
	11	3.	<i>Group Discussion 1</i>
	18	4.	Prof. William Montfort
	25	5.	<i>Group Discussion 2</i>
Oct.	2	6.	Prof. Roger Miesfeld
	9	7.	<i>Group Discussion 3</i>
	16	8.	Prof. Michael Cusanovich
	23	9.	<i>Group Discussion 4</i>
	30	10.	Prof. Tsu-Shuen Tsao
Nov.	6	11.	<i>Group Discussion 5</i>
	13	12.	Prof. Nancy Horton
	20	13.	<i>Group Discussion 6</i>
	27		<i>Thanksgiving</i>
Dec.	4	14.	<i>Social Gathering - TBA</i>