

Schedule

Fall 2009 Monday and Wednesday, 10:45am – 11:55am, Keck 102
 Instructor: Yizhi Jane Tao, Biochemistry and Cell Biology, Rice University
 Keck 326, ytao@rice.edu; 713 348 4910 (office)
 Office hours: By appointment
 TA: John Liu, GRB W213, jdl5@rice.edu; 713 348 6963 (office)

Lecture	Week	Mon	Wed	Topic	Lecturer
1, 2	1	Aug 24	Aug 26	Course introduction; Absorbance	Tao/MacKenzie
3, 4	2	Aug 31	Sept 2	Fluorescence (x2)	MacKenzie /Wensel
-, 5	3	<i>Labor Day</i>	Sept 9	CD & FTIR	Pederson
6, 7	4	Sept 14	Sept 16*	Equilibrium ligand binding and protein folding (x2)	Olson/ Olson
8, 9	5	Sept 21	Sept 23	More complex equilibrium problems and allostery (x2)	Olson/Olson
10, 11	6	Sept 28	Sept 30	Calorimetry; Computer simulation	Brennan/Cheung
12, 13	7	Oct 5	Oct 7*	Separation; Scattering	Tao/Tao
14	8	<i>Recess</i>	Oct 14	EXAM 1	Tao
15, 16	9	Oct 19	Oct 21	Ultracentrifugation; EPR	Cates/Tsai
17, 18	10	Oct 26	Oct 28	Electron microscopy (x2)	Chiu/Chiu
19, 20	11	Nov 2	Nov 4*	NMR (x2)	Nikonowicz/Nikonowicz
21, 22	12	Nov 9	Nov 11	Crystallography (x2)	Shamoo/Shamoo
23, 24	13	Nov 16	Nov 18	Mass spec; Laboratory evolution	Silberg/Silberg
25, 26	14	Nov 23	Nov 25*	Single molecule spectroscopy; confocal microscopy	Diehl/Raphael
27, 28	15	Nov 30	Dec 2	Functional genomics; EXAM 2	Palzkill/Tao
	16-17	Dec 9 – Dec 16		Final Exam Period	
	18	Dec 25		Grades due	

* Dates that assignments will be handed out. Assignments will be due in one week.