Chemistry 7800 Fall 2007 Calendar ESLC 046					
Date	**Day**	**Time**	**Topic/Title**	**Presenter**	**notes**
8/31	F	2:30 PM	Organizational meeting/syllabus		
9/5	W	4:00 PM	Departmental seminar	Paulo Piquini	
9/7	F	2:30 PM	Sign-up and seminar topic due		
9/14	F	2:30 PM	Protein Arginine Methyltransferase I – substrate specificity and mechanistic insights	Whitney Wooderchak	Current research
9/21	F	2:30 PM	Initial transcription by RNA polymerase proceeds through a DNA-scrunching mechanism	Gabe Velasquez	Literature review
9/26	W	4:00 PM	Departmental seminar	Jason Shearer	
9/28	F	2:30 PM	Replication Origin Recognition by an ORC Protein	Ryan Jackson	Literature review
10/5	F	2:30 PM	Characterization of a Triple DNA Polymerase Replisome	Jared Hardman	Literature review
10/12	F	**3:30 PM**	Discussion of papers assigned for Parker seminar (paper to be determined)	Group	Meet with Chem 4890
10/17	W	4:00 PM	Departmental seminar	Roy Parker	
10/19	F	2:30 PM	Fall Break		
10/24	W	4:00 PM	Departmental seminar	Ron Cohen	
10/26	F	2:30 PM	Parker seminar discussion/Journal club "High-throughput fluorescent-based optimization of eukaryotic membrane protein overexpression and purification in *Saccharomyces cerevisiae*" Newstead, et al & Drew (2007) PNAS 104:13936-13941	Group	
11/2	F	2:30 PM	The Stereoselectivity and Catalytic Properties of *X. autotrophicus* R- and S-hydroxypropyl CoM dehydrogenases	Dariusz Silwa	Current research
11/9	F	**3:30 PM**	Discussion of paper assigned for DeRose seminar "Coordination Environment of a Site-Bound Metal Ion in the Hammerhead Ribozyme Determined by ^{15}N and ^{2}H ESEEM Spectroscopy" Vogt, et al & DeRose (2006) JACS 128: 16764-16770	Group	Meet with Chem 4890
11/14	W	4:00 PM	Departmental Seminar	Vickie DeRose	
11/16	F	2:30 PM	DeRose seminar discussion/Journal club "The design and characterization of two proteins with 88% sequence identity but different structure and function" Alexander, et al & Bryan (2007) PNAS 104:11963-11968	Group	
11/28	W	4:00 PM	Departmental Seminar	Norm Dovichi	
11/30	F	2:30 PM	Adaptive Mutations in Bacteria: High Rate and Small Effects	Laurel Gui	Literature review
12/7	F	2:30 PM	Investigating the Role of the Human Protein Arginine Methyltransferase 6 (PRMT6) N-terminal Tail and its Involvement in Determining Sub-cellular Localization and Substrate Processing	Brenda Suh	Current research

Presenters for Spring semester:

Zhiyong Yang	Literature topic	Thioredoxin is required for S-nitrosation of procaspase-3 and in inhibition of apoptosis in Jurkat cells
Ashwini	Literature topic	Genome Transplantation in Bacteria: Changing one Species to Another
Missy	Literature topic	Small-molecule-mediated rescue of protein function by an inducible proteolytic shunt
Ameya	Current research	
Danyal	Current research	
Brad	Current research	
Bishnu	Literature topic	RNA Helicase A Interacts with RISC in Human Cells and Functions in RISC Loading