

**Department of Chemistry & Biochemistry**  
**University of Minnesota Duluth**  
**Seminar Schedule**  
**Fall 2007**

<b>Date</b>	<b>Name (host)</b>	<b>Institution</b>	<b>Field</b>	<b>Seminar Title</b>
9/7	Dr. Ted Pappenfus (Siders)	UM-Morris	Inorganic & Materials Chemistry	Strategies for bandgap control in organic materials
9/14	Dr. Tony Borgerding (Minor)	Univ. St. Thomas	Analytical Environmental Chemistry	Novel extraction and analysis of VOCs involving microdialysis probes
9/21	Dr. Nathan Ballou, CSE Academy Inductee (Kiprof)	Pacific Northwest National Laboratory	Nuclear Chemistry	
9/28	Dr. Vladimir Birman (Zhdankin)	Washington Univ. St. Louis	Organic Chemistry & Synthesis	Design, development and applications of a new class of enantioselective acyl transfer catalysts
10/5	Dr. Victor Ryzhov (Zhdankin)	Northern Illinois Univ.	Bioanalytical Chemistry, Mass Spectrometry	Biological applications of gas-phase ion chemistry
10/12	Michael Rubin (Zhdankin)	Univ. Kansas	Organic Chemistry	
10/19	Partha Basu (Nemykin)	Duquesne Univ.	Bioinorganic Chemistry	Oxygen atom transfer reactions from higher valent oxo-molybdenum centers
10/26	Dr. Kris McNeill (Werne)	UM-TC	Analytical Environmental Chemistry	Photosensitized reactions in natural waters: Implications for pollutant degradation and the carbon cycle
11/2	Dr. Alexander Nazarenko (Nemykin)	Buffalo State College	Analytical Chemistry, Complexation	Optical Sensors for Manual and Automatic Titration
11/7 Wednesday	Dr. Elena Rybak-Akimova (Nemykin)	Tufts	Bioinorganic Chemistry	Oxygen and peroxide activation at non-heme iron: mechanistic insights and useful reactions
11/9	Dr. Eugenius Zych (Poe/Riehl)	Univ. Wroclaw, Poland	Analytical Chemistry, EPR	
11/16	Dr. Frank Raushel	Texas A&M Univ	Biochemistry, Enzyme catalyzed reactions	Deciphering the Substrate Specificity for Enzymes of Unknown Function
<b><i>11/23 No Seminar - Thanksgiving</i></b>				
11/30	Dr. Rebecca Lai	Univ. Nebraska-Lincoln	Analytical, electrochemistry, biosensors	Folding-based Electrochemical Biosensors

12/7	Dr. Jack Pellett or other Pfizer rep (Werne)	Pfizer	Analytical Pharmaceutical Chemistry	
12/14 Last day of classes	TBA			