

Chemistry 380 – Seminar

Spring 2013, 4:00 pm Thursdays in FH-133 (auditorium)

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Objective: In this course you will learn to obtain, process, and evaluate research-related information. Each week there will be a seminar for a total of 13 seminars. The topics of the talks will cover the entire range of chemistry and will be given largely by outside speakers. You must attend each seminar and use what you learned from the speaker and what you searched on the web to write a seminar report. Because there are no open dates early in the semester, there will be no TA presentation for instruction and this syllabus will serve as your guide for the course.

Reports: Your report is limited to one single-spaced page and **must** contain the following parts:

A: Speaker's name and affiliation.

B: Explanation of the importance and originality of the research presented in the seminar. (a maximum of 5 meaningful sentences)

C: Evaluation of the quality of the presentation. What features of the presentation or speaker you did or did not like? Did you find the seminar interesting and easy to follow? (a maximum of 5 meaningful sentences)

D: Evaluation of the quality of the research generated in speaker's lab. This evaluation should contain the following data:

- 1) Funding sources for the presented research, if indicated (These are usually mentioned by the speaker at the very end or very beginning of his seminar)
- 2) Number of articles published by the speaker in the past 5 years (i.e., 2008-2012)
- 3) The full reference of the article published in a journal with the highest 2011 impact factor, including its numerical value
- 4) The speaker's Hirsch index (h-index)

Your reports must be hand delivered to the TA at the beginning of the next seminar. A report will be considered acceptable and eligible for one credit point if it contains all required parts and these items are correct. Reports that are incomplete and/or contain incorrect information will be awarded 0.5 points. Laptops are allowed during the seminars to take notes; however, anyone using their laptop/cell phone/tablet to browse the web (Facebook, ESPN, etc.) will receive a zero on their report. Missed reports, if not made up, carry zero credit; check below for situations when missed reports are accepted. The last report based on the April 25 seminar must be submitted electronically or as a hard copy to the TA by 5 pm on May 2; no exceptions.

Missed Assignments: Any illness, accident, etc. that results in a missed assignment must be communicated within two calendar days to the instructor and TA by e-mail; supporting documentation (e.g., doctor's note, obituary) must be provided to the instructor. Under these exceptional circumstances, you can make-up a missed seminar by submitting a report that contains parts A and D.

Grading: You need to work on your reports and summaries individually. Identical or very similar reports submitted by two or more students will be scored as a missed assignment and will be reported to the Dean's office as a violation of Academic Integrity. If you submit 13 acceptable reports you will receive an A, 12 will be an A-, 11 will be a B+, 10 will provide a B, 9 will be a B-, 8 will be a C+, 7 will be a C, 6 will be C-, 5 will be D+, 4 will be D, and less than 4 will be an F.

Schedule of seminars

Date – Seminar Title, Speaker, Institution (Host)

- January 17, 2013 Ann West, University of Oklahoma (Liu)
(<http://chem.ou.edu/ann-h-west>)
- January 24, 2013 Seth Darling, Argonne National Lab (Ciszek)
(<http://www.anl.gov/contributors/seth-darling>)
- January 31, 2013 Abde Abukhdeir, Rush Medical Center (Freitas)
- February 7, 2013 Renee Cole, Iowa (Daubenmire)
(<https://www.chem.uiowa.edu/people/renee-s-cole>)
- February 14, 2013 Lynn Kamerlin, Uppsala University (Florian)
(<http://xray.bmc.uu.se/kamerlin/>)
- February 21, 2013 Wilson Ho, UC-Irvine (Killelea)
(<http://www.physics.uci.edu/~wilsonho/whoghp.htm>)
- February 28, 2013 Vladimir Gevorgyan, UIC (Eichman)
(<http://www.chem.uic.edu/vggroup/>)
- March 14, 2013 Yun Wang, Northwestern (Fitch)
(http://www.civil.northwestern.edu/EHE/Wang_Research_Website/Welcome.html)
- March 21, 2013 Perry Frey, University of Wisconsin – Madison (Liu)
(<http://www.biochem.wisc.edu/faculty/frey/perryfreygroup/default.aspx>)
- April 4, 2013 Denkewalter Seminar – Melanie Sanford, University of Michigan
(<http://www.umich.edu/~mssgroup/>)
- April 11, 2013 TBA (Graham)
- April 18, 2013 Graduate Student Speaker – John Rogers, Illinois
(<http://rogers.matse.illinois.edu>)
- April 25, 2013 Alumnus of the Year – Peter Rabideau, Mississippi State
(<http://www.chemistry.msstate.edu/people/faculty/detail.php?faculty=rabideau>)