**Interdisciplinary Paper Critique**

**Objective:** To develop critical reading of the literature and oral presentation skills.

You will be assigned to a group of 3 students. Working as a group, select a paper on an interdisciplinary topic to read and critique. Your paper must be approved by Prof. Metz or Thayumanavan. One member of the group will give an overview of the paper, highlighting key results and their importance; the two other group members will each give the analysis and criticism of the paper, as if they were reviewing this paper for publication. One will make a case for the publication of the paper, the other will make a case against publication. You will have a total of 20 minutes for the whole presentation.

Some things to consider:
- Are the results novel/interesting?
- Are the conclusions supported by the data?
- Is the analysis sound?
- Is sufficient information presented on experimental procedures?
- An excellent addition could be to suggest, where should these researchers go next with what they have reported?
- It might be necessary that you learn more about the background to the paper in order to be effective.
- This is about team-work. We pay close attention to this aspect.

You should make a Powerpoint Presentation. Audio-visual equipment is available in the department. Please set up your projector and the laptop well ahead of time. Please do not wait until the class starts to do this. If there is a class in that room before us, you will still have 10 minutes to set-up prior to the start of our class.

**Sources:** Choose a recent (2004-2007), full paper (not a letter, communication or review article) from a well-regarded, peer-reviewed journal. Possible sources include (but are not limited to): *Journal of the American Chemical Society, Journal of Organic Chemistry, Journal of Physical Chemistry (A or B), Physical Chemistry/Chemical Physics, Langmuir, Chemistry of Materials, Journal of Materials Chemistry.*

**Presentations:**
- Group 1 (Sept. 24) Akey, Baykal, Surampudi
- Group 2 (Sept. 24) Amoroso, Kim, Samanta
- Group 3 (Sept. 25) Akpınar, Berg, Popere
- Group 4 (Sept. 25) Bernard, Li, Rana
- Group 5 (Sept. 25) Browne, Gavvalapalli, Gonzalez, Tong
- Group 6 (Sept. 26) Drennan, Subramani, Velazquez
- Group 7 (Sept. 26) Campecio, Dulaney, Giri
- Group 8 (Sept. 28) Chacko, Johnson, Zhang
- Group 9 (Sept. 28) Borketey, Jones, Wanwong