Requirements of research proposal and oral presentation for Signal Transduction Course

• A list of recent papers (within the last year-preferably the last 6 months NO REVIEW ARTICLES) will be generated by each of the lecturers. This list will be handed out midway through the course.
• Each student will select one paper from this list. Paper selections are on a first-come-first-served basis and once you have made your selection no one else will be able to use that paper for their proposal.
• You are to write a grant proposal. Assume you are a Principal Investigator and the data presented in the chosen manuscript was generated in your lab. In the structure of the grant, the results presented in the manuscript should be discussed under the progress section. Thus the research proposal should describe experiments which you would perform following on from the data reported in the given manuscript.
• The proposal should consist of a Background section, giving the background to the area of research described in the paper, a Progress section, giving a synopsis of the important findings of the paper and a Hypothesis section. Following the hypothesis there should be Specific Aims and then a Research Plan. The Research Plan should not indicate experimental details but rather descriptive experiments of how the specific aims would be achieved.
• The whole research plan should not exceed eight DOUBLE-SPACED PAGES excluding abstract and references.
• The written proposal should be handed in at the time of your oral presentation. The lecturer should make annotations on this copy of the written proposal and return it to Dr. Lingwood who will mark it as well.
• You are also expected to present the proposal in the form of an oral presentation. This oral presentation will be made on the scheduled exam day (or days). Please check the schedule to ensure that you are available on this day and inform my secretary, Shirley Thompson (813-5998), well in advance if there is any problem.

Evaluation:
• Evaluation will be in the form of a 15 minute oral presentation (which will count for 50%) and your written research proposal (which will count for 50%). Please look over the attached score sheet for more details regarding the marking scheme. If you have any questions please contact my secretary at 813-5998.