CH444, Spring 2015 – Literature Assignment  due 2/16/2015, in class

You are to submit a formatted list of 15-20 references that represent your best attempt to “surround” an assigned biochemical topic. These are the 15-20 papers that you think would best prepare you to engage in a research project associated with this topic. You will be evaluated on your ability to use multiple strategies within the Scopus interface to acquire these references. In other words, entering your assigned topic as keywords and printing out the first 15 papers that appear is not sufficient. Many of the assigned topics won’t have any papers that address the topic perfectly – you’ll have to find references that collectively circle the topic. Again, imagine you are preparing to do a research project and you need to thoroughly understand the background. You are also to provide a brief (half page maximum) narrative describing the strategies you found most useful in compiling your list of references.

Characteristics of a high-quality reference list:

- Diverse authorship (not all from the same couple of labs)
- Includes citation count for each reference
- Focused on more recent papers (older papers should be oft-cited)

The assigned topics are as follows:

1) Using protein microarrays to quantify the activity of tyrosine kinases in primary drosophila cells – Ryan

2) Disrupting intracellular protein-protein interactions with small molecule natural products – Megan

3) Identifying glycoconjugates associated with immune responses to fungal pathogens – Sarah

4) Identifying mitogenic molecules in bovine embryos – Vania

5) Deciphering the catalytic mechanism of a novel DNA methylase in archaea – Darcy

6) Developing novel strategies to identify mechanisms of epigenetic inheritance in rats – Sam

7) Measuring the redox potential of a novel soluble electron carrier in a newly discovered bacterium – Colin