EXTRA CREDIT ASSIGNMENT
BIS102-002
SQ 2015
Value: 5 points towards MT2

Not valid if you are requesting a re-grade of your MT2, except for re-grading because of math error.

Deadline: Thursday 28 – 6PM (no exceptions)

To be graded, your report must be printed (no handwritten reports will be considered). One-page only.

What to do? Go to Protein Data Bank. My collaborators and I deposited more than 10 structures in PDB. Search by author = leal, ws. Note the default search is by PDB ID number. In class I always place these ID numbers along with the structures I use for illustration (e.g. 1HHB).

Identify one entry of a protein from the malaria mosquito. This research was performed in collaboration with Dr. David Wilson (also in MCB).

Take note of the ID and the name of the protein for your report. In “3D View” look at the structure of the protein and count the number of alpha-helices.

Now go to Google Scholar Citation – Walter Leal. Find how many times this work has been cited and take note of the top 3 most cited papers by Leal and collaborators. What do they have in common?

(1) In the first line of your report, write your full name, ID#, and email address.

(2) Then, write the name of the protein from the malaria mosquito, PDB ID#, and number of helices.

(3) Write the number of citations for that work.

(4) Lastly, tell the name of the protein studied in the most cited, top three papers by Leal and collaborators.