**Week 15: Submit Lab Report for Grading**

Learning Objectives for DNA Control Element Discovery

*Skills*

* Write a lab report summarizing your semester-long research project.

*Cognitive*

* Employ a scientific approach to answering biological questions and test hypotheses.
* Analyze experimental data and reach logical conclusions.
* Describe the big idea of information based on lab experiences.
* Review the information contained within promoters and RBSs.
* Use protocols for molecular biology to clone DNA.
* Interpret Synergy data for fluorescence and optical density.
* Summarize the results from two rounds of experimentation with DNA control elements.

**Pre-Lab**

Before you come to lab

1) Write your lab report using the guidelines provided in week 13 protocol, and the online grading rubric.

2) Answer each of these four questions in two sentences or less.

A) What is the Watson Fellowship?

B) Is it possible to have someone else pay for a year of learning abroad after you graduate?

C) Does Davidson College provide help to students and alumni who are applying for graduate fellowships?

D) How much money do PhD graduate students have to pay to get their doctorates in a STEM discipline?

**Information: Summarizing DNA Control Element Research**

In Lab

3) Submit your written lab report for grading. You can share figures, data and methods, but the writing should be a solo experience. Each person should be listed as first author, with lab group members as additional authors.

4) Fellowship presentation followed by course evaluations.