**Research Proposal for Bio113 DNA Control Element**

3-4 pages maximum, 1.5 spacing, including all figures

Title: (summarize research goal) 20 word maximum

Authors: listed in order of birth month and date (non-alphabetical order)

Abstract: 100 word maximum to summarize project proposal, no in-text citations

Introduction: summarize the promoter you are working with, and how *E. coli* cells might process the information you will transform into them. 200 word maximum

Prior Results: must include your part number (J100nnn), at least one figure and all figures must have figure legends. Summarize your results and interpretations of these data. The total of 250 words does not count figure legends.

Specific Aim: Explain in detail the particular goal of your next experiment. What changes have you made from the prior research, and why? 150 words

Methods

* Receiving plasmid (J119137, pClone Red)
* Both oligos you want to have synthesized (listed 5’ on the left side) with 4 base sticky ends included. Use this format:

Namegroup\_v2\_top;NNNNNNNNNNNN

Namegroup\_v2\_bot;NNNNNNNNNNNN

* Growth conditions:
* How will you clone new DNA:
* What colonies will you pick:
* What will you measure:

Possible Outcomes: Provide at least two possible outcomes including a sketch of the graph you hypothesize might happen.

Confirmation: How could you confirm you have cloned the right sequence?

References: cite lab manual, textbook, source of prior results and any papers you used