

113 Lab Learning Objectives

Week 4: synthetic lab #3

Learning Objectives for Promoter Discovery

Skills

- Manipulate DNA to perform Golden Gate Assembly
- Transform bacteria and screen for phenotype.

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.
- Explain how golden gate assembly method works.
- Use protocols for molecular biology to clone DNA.