

COLOR CODING KEY

Spectrophotometry Measurements

Construct Group

Plasmid Group

Interlab

Cell Culturing/Plating

Biobrick Group

Cyanobacteria Transformation Group

Experimental Verification

Plasmid & Construct Design Group

Week 0

May 29, 2018

- Took inventory of equipment, reagents, and kit and started setting up our benches

Plasmid & Construct Design Group (Priya, Karthik, Matt L, Matt M)

- Worked on construct designs

May 30, 2018

Plasmid & Construct Design Group (Priya, Karthik, Matt L, Matt M, Lin)

- Ducat Meeting -- changed path of our project to Gibson Assembly
- Worked on plasmids (annotated them on SnapGene and created an overlap between our cscB and sps genes), and worked on getting them ready for Gibson Assembly

May 31, 2018

- iGEM Alumnus (Chloe Savino) showed us the autoclave and general workflow for lab techniques

Plasmid & Construct Design Group (Priya, Karthik, Matt L, Matt M)

- Worked on annotating plasmids more
- Reached out to an expert on Gibson Assembly (Mirna Kheir)

June 1, 2018

Plasmid & Construct Design Group (Priya, Karthik, Matt L, Stephanie)

- French Meeting → we started to research tagged proteins to create a structural assay as well as a functional one
- Mirna Meeting -- affirmed Gibson Assembly is more efficient, helped us improve our overlap to cover the necessary base pair lengths, showed us how to use SnapGene to model Gibson Assembly (and recommended we use the HiFi assembly kit)