

## COLOR CODING KEY

Spectrophotometry Measurements

Construct Group

Plasmid Group

Interlab

Cell Culture/Plating

Biobrick Group

Cyanobacteria Transformation Group

Experimental Verification

Plasmid & Construct Design Group

### Week 1

#### June 6, 2018

Cell Culture/Plating (Jenn/Priya/Steph)

- Set up our cyanobacterial culture:
  - Split liquid culture (UTEX 5/19) twice and supplemented with BG-11 to get all flasks to 50 mL
  - Set incubator at 25 degrees Celsius and 100 rpm
  - Noticed Heating Issue (temperature rose to over 30 degrees)

#### June 7, 2018

Spectrophotometry Measurements (1.5 mL diluted) (Natalie)

- Designed experiment to compare 1 sheet and 3 sheets of paper in our light setup
- Measured all cyanobacterial samples at 800 nm (wavelength was given by Dr. Collier)
- Began daily spectrometry measurements of cyanobacteria in the left and right incubator (left, covered with one piece of paper; right, covered with three pieces of paper)

#### June 8, 2018

Spectrophotometry Measurements (1.5 mL diluted) (Natalie)

- Continued measuring spectrometry measurements for the 1 sheet vs 3 sheet experiment