

# Meeting 7/20



iGEM Team

# Updates

- Currently working on Interlab (hit a snag or two, will be completed next week)
- Received free lab equipment from Thermo Fisher through their Aspire program
  - Midiprep kit
  - Taq and phusion polymerase
  - DNTPs
- In the process of getting \$2000 stipends for members who did not get SIGP
- Partnership with Shedd Aquarium likely (Human Practices)
  - To meet with representative in coming week
- We have possible scale from eBay!

# Interlab: Opportunities for Growth!



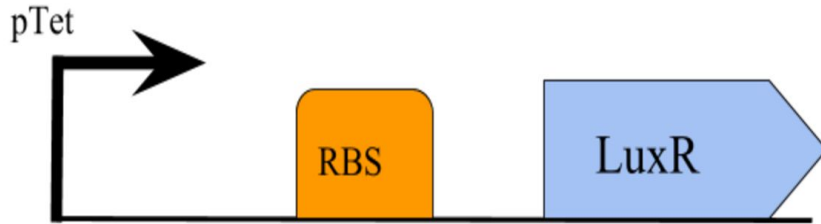
## Bronze Medal Criteria

Question: Can we reduce lab-to-lab variability in fluorescence measurements by normalizing to absolute cell count or colony-forming units (CFUs) instead of OD?

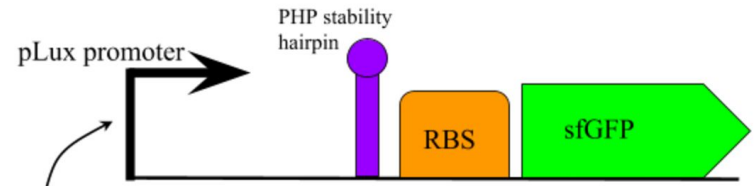
- In order to compute the cell count in your samples, we will use two orthogonal approaches:
  1. Converting between absorbance of cells to absorbance of a known concentration of beads.
  2. Counting colony-forming units (CFUs) from the sample.

# Next Step: Opportunity for 1st iGEM Part!

- Designed and ordered primers to Gibson Assemble the following plasmids (pLux/LuxR system in pADS088 and pADS094); will arrive from IDT next week
- Next week will be spent primarily learning, prepping, and beginning our Gibson Assembly of these two plasmids



**Altered pADS088 w/ pTet promoter, produces LuxR**



**Altered pADS094 w/ pLux promoter and sfGFP output**



# Questions

1. Who can help make comp cells if necessary?
2. What shirt design??

# Option 1 (\$330 for 20)



# Option 2 (\$450 for 20)



# Option 3 (\$475 for 20)





# Option 4 (\$550 for 20)



# Option 5 (\$690 for 20)

