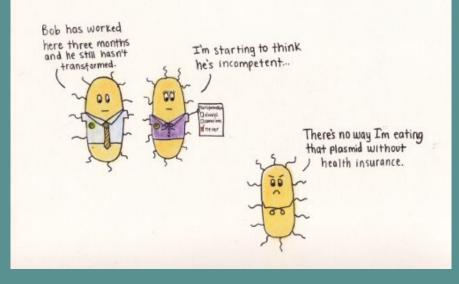
# 7/27 iGEM Meeting





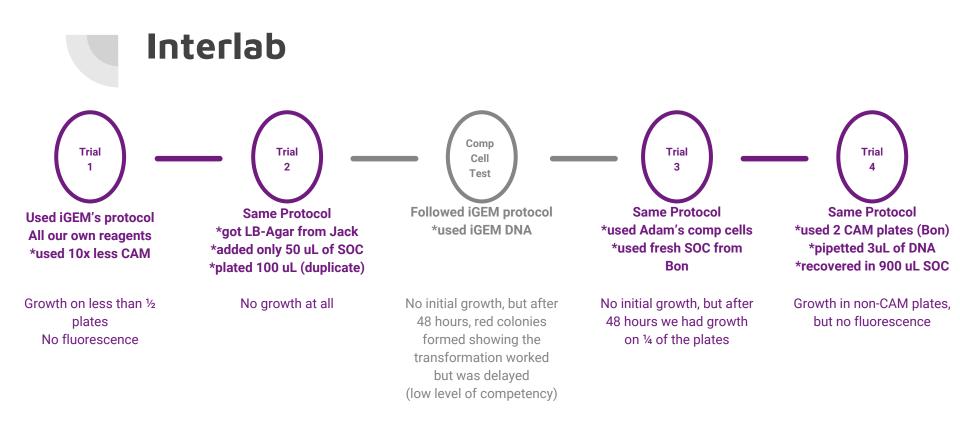
### **Updates**

- Received \$3530.86 funding from the ChemE Department covering individual registration, flights, and hotel costs for three ChemE majors
  - Individual Registration: \$695 per person
  - Flights: ~\$250 round trip per person
  - Hotel: \$695.86 for two nights
- We got some free stuff
  - 10 Gibson Assembly Master Mix Rxns
- We ran our first gel!
- Completed Interlab calibrations and submitted that data
  - We received an extension on the Interlab cell measurement data
  - The data must be sent in by the end of August

# Updates Cont.

• We have transformed twice (Monday and Tuesday) with no success





http://parts.igem.org/Help:Protocols/Transformation

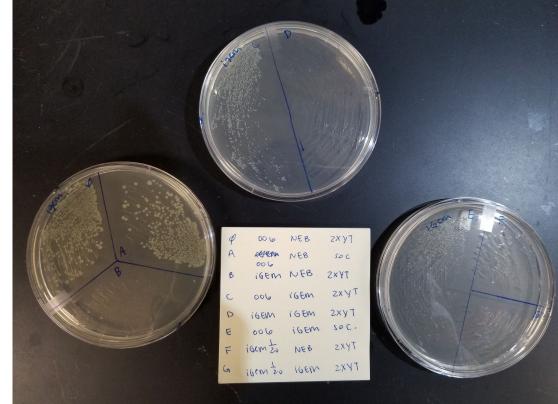
http://parts.igem.org/Help:2017\_Co mpetent\_Cell\_Test\_Kit

### Interlab (Continued)

Question: What is the reason for our failed transformations?

Lulu ran a transformation with our pos. control plasmid DNA. The following plates were the result.

Indicates that our comp. Cells are only slightly competent and don't efficiently take up DNA. Our DNA also seemed to not have the concentration Needed (See B).



# **Gel Results**

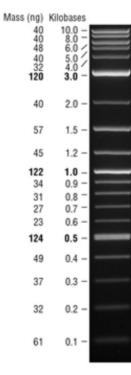
#### Question: Was our PCR successful?

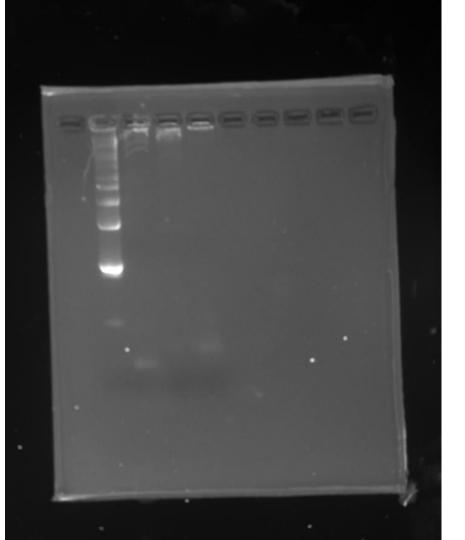
Lane 2: 1 kb Ladder

Lane 3: pADS088 backbone

Lane 4: LuxR Gene

Lane 5: Adam's Positive Control



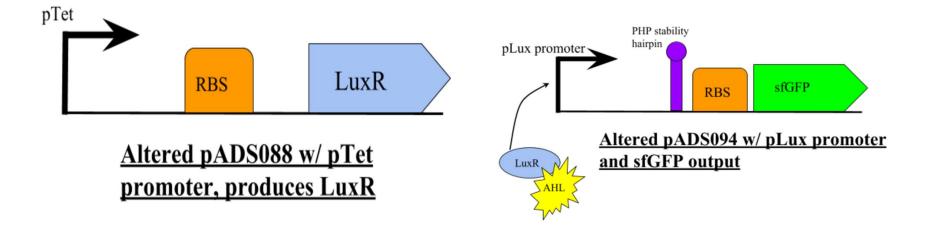


### **Next Steps**

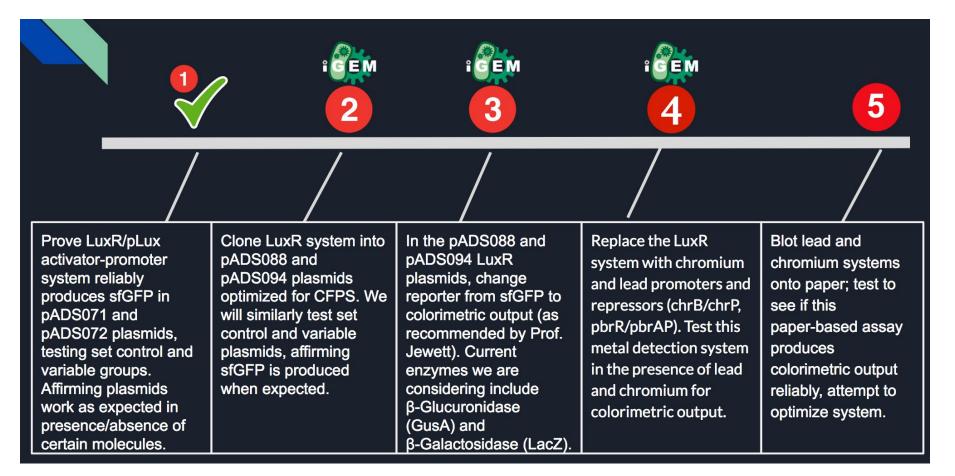
- Interlab
  - Extended Deadline: August 24th
  - $\circ$  ~ We want to talk to Walter about making comp. cells
  - Collab with UChicago???
  - $\circ$   $\,$  We're planning on using the backup DNA included in the iGEM kit  $\,$
  - Shedd collaboration still a possibility (haven't gotten back to us)
    - Backup plan for Human Practices is creating a study

### Next Steps Cont.

- We have run PCRs that amplified both pADS088 backbone and LuxR gene (plan to use Gibson Assembly to clone LuxR gene into this backbone, shown below).
  - Gels inconclusive?
- Have designed iPCR primers to achieve pADS094 plasmid backbone with pLux promoter (shown below).
- Rest of summer: Lots and lots of PCR and Gibson Assemblies



### **Next Steps Cont.**



# **Questions, Comments, Concerns?**

- AbbVie contact?
- Best person to help with making comp cells?
  - Walter?
- Transformations