

# Lab Notebook - Week 5 (7/10/17-7/16/17)

**Project:** NU iGEM 2017 Shared Project

**Authors:** William Reinhardt

**Dates:** 2017-07-10 to 2017-07-14

MONDAY, 7/10

Summarized To-Do:

- Meet with Chelsea Hu, grad student in Lucks' lab
- Plan for interlab transformations on **July 11**
- See about making hypervesiculating strain competent cells (JC8031)
- Prepare for presentations for tomorrow
  - a. HS event presentation (**HS event**)
  - b. Presentation for Chelsea for Jul 11

## Individual Tasks

Individual tasks							
	A	B	C	D	E	F	G
1	<b>Ayesha</b>	<b>Charley</b>	<b>Jack</b>	<b>Karen</b>	<b>Katerina</b>	<b>Lulu</b>	<b>Tyler</b>
2	Planned for HS event	Worked on jeopardy presentation	Away	Away	Finish InterLab recordings for Part 1 and 2	Worked on presentations for 7.11	Worked on presentation for 7.11
3	Worked on presentations for 7.11 (HS and Chelsea)	Call Cell Signaling Technologies			Worked on presentations for 7.11	Planned for HS event	Planned for event
4	Worked on before/after suveys				Worked on before/after suveys		
5							

TUESDAY, 7/11

Update: 1kg of LB, Phusion high-fidelity buffer pack received

Summarized To-Do:

- Highschool outreach event 9-11AM
- Interlab Experiment Transformations** (See Interlab Experiment Results)
- Presentation** for Chelsea & **Meeting**
- Order DeLisa's JC801 ClyA-GFP to figure out linker

## Individual Tasks

Individual Tasks							
	A	B	C	D	E	F	G
1	<b>Ayesha</b>	<b>Charley</b>	<b>Jack</b>	<b>Karen</b>	<b>Katerina</b>	<b>Lulu</b>	<b>Tyler</b>
2	interlabs transformation	CTD jeporady	InterLab transformation	Away	Created primer for JC8031 ClyA-GFP (deLisa) to figure out linker	Updating iGEM diary	interlabs transformati
3	CTD Survey analysis	updated website	Created primer for JC8031 ClyA-GFP (deLisa) to figure out linker	But updated gRNA section in Notebook		InterLab transformation	

WEDNESDAY, 7/12

Update: ClyA-GFP primer for figuring out linker between ClyA and GFP from IDT

Summarized To-Do:

- Complete and send CSB grant application to Joshua Leonard
- Western Blot training with Jasmine from Jewett Lab
- Bacterial stocks in -20C organized
- Test whether or not JC8031 competent cells are actually competent

## Individual Tasks

Individual Tasks							
	A	B	C	D	E	F	
1	<b>Ayesha</b>	<b>Charley</b>	<b>Jack</b>	<b>Karen</b>	<b>Katerina</b>	<b>Lulu</b>	<b>Tyler</b>
2	Human Practicer (?)		CSB Grant	Away	CSB Grant	Away	Wester traning
3			Interlab Day 2		Western Blot traning		InterLa
4			Western Blot traning		Interlab Day 2		

THURSDAY, 7/13

Summarized To-Do:

- Complete Chemical Inventory
- Interlab Transformation Procedure
- Send samples for sequencing
  - JC8031 with ClyA-GFP (DeLisa)
  - Cas9-Dsba construct from 2016 team

## Individual Tasks:

Table1							
	A	B	C	D	E	F	G
1	<b>Ayesha</b>	<b>Charley</b>	<b>Jack</b>	<b>Karen</b>	<b>Katerina</b>	<b>Lulu</b>	<b>Tyler</b>
2	Interlab	Worked on Website	Interlab		Interlab		Interlab
3			Chemical Inventory		Chemical Inventory		
4			Prepared and sent samples for sequencing		Prepared and sent samples for sequencing		
5			Streaked glycerol stocks of JC8031		Streaked glycerol stocks of JC8031		
6					Miniprepmed Plasmid from JC8031 w/ClyA		
7							

FRIDAY, 7/14

### Summarized To-Do:

- Meeting with Chelsea at 3 (Cloning, Construct design)
- Interlab (continuation)
- Plan meeting time with UChicago
- Make questions for Dr. Cathleen London

## Individual Tasks:

Table2							
	A	B	C	D	E	F	G
1	<b>Ayesha</b>	<b>Charley</b>	<b>Jack</b>	<b>Karen</b>	<b>Katerina</b>	<b>Lulu</b>	<b>Tyler</b>
2				Made questions for Dr. London	Made comp JC8031 cells with Taylor		Made comp JC8031 cell with Taylor
3					Overnight culture of JC8031 started		
4					Cloning training with Chelsea		
5					Learn more about spinach and broccoli		
6							

Week summary: