- find a partier and a station

 Introductions cybbies across from here
- 20.109 Philosophy for your stuff
- Day-to-Day Workflow w front
- Semester-Long Workflow
- Lab Safety
- Self-/Guided Lab Tour

20.109: Promises and Expectations

authentic investigation deep attention constructive feedback support your prevs

this is a collaboration blu us all

Day-to-day workflow

- Hand in current HW, get old HW back
- Announcements and/or HW discussion
- · Quiz 1:10 sharp 2-3 Q 5-101
- Pre-lab lecture
- Lab work
 - See wiki
- Hand in notebook pages before leaving

From protocol to lab notebook

- Begin by adding the correct amount of water to a 200 ul PCR tube. Add that amount +1 ul to a second PCR tube.
- 2. Next add the primers to each reaction. Be sure to change tips between additions.
- Next add template to the first reaction tube.
- 4. Finally add PCR Master Mix to each tube, pipetting up and down to mix. Leave your tubes on ice until the entire class

Statement of purpose: Today we will design primers to delete 32 bp from the 5' end of GFP and flank the sequence with new restriction sites. Then we will prepare truncated GFP by PCR as an insert for later cloning.

Design primers for GFP insert (M1D1 Part 1)
See attached Word document.

PCR to make GFP insert (M1D1 Part 2)

Added 27 uL H20 to expt'l, 28 uL H20 to control sample. Added [1 uL] primer and [20 uL] Master Mix (last) to both samples, and 1 uL template to expt'l only! Rxn ready at 3 pm \rightarrow on ice \rightarrow thermal cycler started at 4 pm.

Semester-long workflow

- Work in pairs
- Broader community collaboration
- Assessments
 - Minor: HW, quizzes, notebooks, participation
 - Major: reports and presentations 20109. tolk@ 9mail. (0000)
 - Ask if something is unclear
 - Available over email, occasional OH
 - Plan ahead and manage your time

Lab Safety

Protection: gloves, glasses, coat

* clothing

Just in case... eyewashes, shower

· Hazards: nativials / chemical

splash/irridont

Waste disposal

Shorps bin bibhazard borrely

broad definition

no solids orliquids

bio. I found - bleached sizk chim. Irquids - thood

Time for demo and tour!