Find a partner and a station

- Introductions
- 20.109 Philosophy
- Day-to-Day Workflow
- Semester-Long Workflow
- Lab Safety
- Self-/Guided Lab Tour
Introductions

• Name, year, something about yourself

Agi 01' (CHE) '07 (DMSE) conc. Lit. polymers
20.109: Promises and Expectations

- Authentic experiences
- Supportive feedback
- Community of learners
- Support your peers
- Your attention
Day-to-day workflow

• Hand in current HW, get old HW back
• Announcements
• Discussion of prior HW
• Quiz 5-10min., 2-3Q
• Pre-lab lecture
• Lab work
  – See wiki
• Hand in notebook pages before leaving

next time: lab practice 1:10 sharp
Annotating protocols

1. 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.
3. 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

Oops - didn't change tips

4:30pm
Semester-long workflow

- Work in pairs
- Broader community collaboration
- Assessments
  - Minor: HW, quizzes, notebooks
  - Major: reports and presentations
  - Ask if something is unclear
    - Available over email, occasional OH
  - Plan ahead and manage your time
Lab Safety

- Protection: gloves, glasses, coat
- Just in case... eyewashes, shower
- Hazards: toxicity, chem., splash
- Waste disposal: non-bio., sharps, biohazard, non-sharps, liquids, solids
Time for demo and tour!