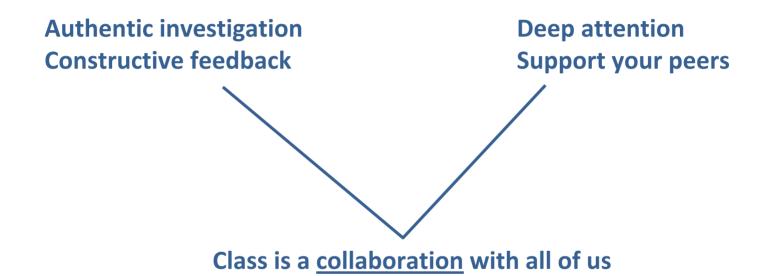
- Introductions
- 20.109 Philosophy
- Day-to-Day Workflow
- Semester-Long Workflow
- Lab Safety
- Self-/Guided Lab Tour

20.109: Promises and Expectations



Day-to-day workflow

- Hand in current HW, get old HW back
- Announcements
- Discussion of prior HW
- Quiz
- Pre-lab lecture
- Lab work
 - See wiki
- Hand in notebook pages before leaving

Annotating protocols

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

Semester-long workflow

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

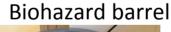
Lab Safety

- Protection: gloves, glasses, coat
- Just in case... eyewashes, shower
- Hazards
 - Materials: chemical (toxic, caustic), biological
 - Splash

Waste disposal

Bio and non-bio **Broad definition** No solids/liquids







Non-sharp bio waste Solids OK

Bio liquid \rightarrow bleach, down sink Chem liquid \rightarrow fume hood waste containers

Time for demo and tour!

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