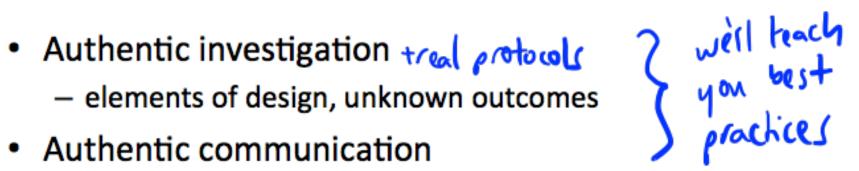
Find a lab bench and a partner! Cubbies for bags next to entrance. Pick up 4 handouts at front bench.

- Introductions
- 20.109 Philosophy Recap
- Semester-Long Workflow
- Day-to-Day Workflow
- Lab Safety
- Self-/Guided Lab Tour
- EHS Biosafety talk: 4:15 pm

The three pillars of 20.109



- Authentic communication
 - toward professional talks, writing, & visuals if you ant explain it - you didn't understand it
- Extensive collaboration... (with limits)
 - group assignments should reflect equal contributions
 - individual assignments may be discussed together, but must reflect your own understanding and communication

Semester-long workflow

- Work in pairs
- Broader community collaboration
- Assessments
 - Major: reports and presentations
 - Minor: FNT, quizzes, notebooks, participation

 - Key to success: plan ahead and manage your time

Day-to-day workflow

- Hand in homework (FNT), get graded FNT back
- Announcements and/or FNT discussion
- · Quiz (:10 share 101 ~3x/module
- Pre-lab interactive lecture
- Lab work
 - see wiki (aka "your friend... or frenemy" --Shannon)

Electronic lab notebooks

- Flexibility and one-stop access for protocols and data
- Register for an Evernote account and 'share' your 20.109 notebook with Chris and Agi
 - Chris: <u>cbandoro@mit.edu</u>
 - Agi: <u>agi.stachowiak@gmail.com</u>
- Preparing your notebook
 - naming convention: 20.109(S14)_FirtNameLastInitial
 - let me know associated email account
- More about notebooks next time!

Lab safety: environments

+dos/dontal

- At the benches
 - coverage (closed-toe shoes etc.), gloves: ~always
 - nitrile gloves at gel bench glasses: optional unless

 - lab coat: optional exept BL2 (MIDI)
- · At the fume hood
 - glasses, lab coat, gloves: always
- In the tissue culture (TC) room
 - lab coat, gloves: always (except today)
 - no cross-contamination with main lab! (even today)
- Just in case... eyewashes, shower

Lab safety: material hazards

- Chemical
 - caustic
 - toxic (acute, mutagenic, or other effects)
- Biological
 - infectious
- Minor
 - irritants
- Related waste disposal (infrequent)
 - chemical waste in fume hood (tubes → us)
 - biological liquid waste is bleached (vacuum traps)
 - see also posted sink-safe lists

Lab safety: waste disposal (frequent)

general

+ plastic)

. tys, other weaksharps

biological solids









true sharps
needle 5
qlass tuses,
pipets



burn box

all ends up here!