

- **Announcements (logistics)**
- **Wrap-up comments (conceptual)**

## Announcements – class schedule

- Today: M3 report due; also finish clean-up, fill out WAC evaluations; goodbye, 56-322!
- Presentations May 14<sup>th</sup>
  - in room 16-336, starting at **1:15 pm (arrive 1:05)**
- Plan for Thursday, May 16<sup>th</sup>, all in 16-220
  - ~11-11:30: give collaborative feedback about class
  - ~11:30-1: party (RSVP for food please) → *wait for my email*
- Don't forget final reflection assignment! → *skype?*
- M3 proposal OH by appointment (Mon; Sun?)

# Assignment return schedule

- M2 report: this weekend
- M3 mini-report: Tuesday, May 13<sup>th</sup>
- M3 proposals: between May 20-22            + final grades
- Quiz/Ntbk/FNT averages ready today or Monday latest (in person only)

# Module 3 proposal expectations

- Reminder: rubric is online (*Assignments* page)
- Specify a question and experiments to address it
- Make clear what novel aspect(s) is
- “Typical” strong talk:
  - 1 slide (perhaps over title slide) overview
  - 2-5 slides background/prev work
  - 1-2 slides goal/plan → specific experimental aims
  - 4-7 slides methods/outcomes
  - 1 slide alternatives (or w/in methods/outcomes)
  - 1 slide resources
  - 1-2 slides summary, impact, and future work
  - ultimately, lengths are very project dependent!
- Going too “paint-by-numbers” can backfire. If guidelines don’t encompass your particular project well, use your judgment.

elevator pitch: both social and scientific significant (big picture)

## Successful elements of Shannon's mock proposal to note

- Overall organization/flow and repetition
- Level of specificity in each section (including title!)
- Summary addresses both context and science
- Introduction closes with knowledge gap and high-level goals
- Plan includes context, definition, and alternatives for each experiment
- Use of figures, including high-level summary



# Module 3 report expectations

- *Guiding Q: what do we need to know to understand, repeat, and evaluate your experiment, given OWW access?*

- Experimental plan: alginate (type/%), cells (type/#)
- Cell recovery, amount and quality of RNA, qPCR anomalies
- Comments on replicate agreement
- Above is not an exhaustive list!

↳ fold ↑ or ↓ (not fractions)

- What we're ultimately looking for: your analytical skills on display, with whatever data you have to work with

- Do you understand the purpose of each assay? (incl. controls)
- Do you thoroughly analyze and interpret each assay? (Both *what* is seen and *why* it may be the case.)
- Do you integrate results for a holistic view, or treat each independently with no coherent narrative?
- What if transcript and protein level assays are different? Consider both technical/experimental and scientific/biological reasons for this outcome.
- BTW: No abstract, Yes title

if could it do → why not?  
→ what would you do next?

