

## M3D7: Analysis & Report Preparation

1. Today is the last day of lab.
2. What should you do? Prepare collaborative Mod3 report, clean your bench, fill out WAC survey
3. Final presentations — May 13th, 16-336 at 1:30pm
4. Plan for Thursday, May 15th
  - Meet in 16-220 or 56-614
  - ~11-11:30am collaborative feedback about class
  - 11:30-1pm lunch + games (please RSVP)
5. Don't forget the final reflection assignment.

Saturday 12-2pm → 3rd floor lunch room

## Assignment Return Schedule

1. Mod2 Report - ??
2. Mod3 Mini-report - Monday, May 12
3. Mod3 Proposal - (May 20-22)
4. Quiz/FNT/Ntbk averages - tomorrow

## Research Proposal Presentation Info:

- 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
  - 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.

## Module 3 Mini-Report Guidelines

- *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!
  - 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?
    - 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.
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