

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

## Announcements – class schedule

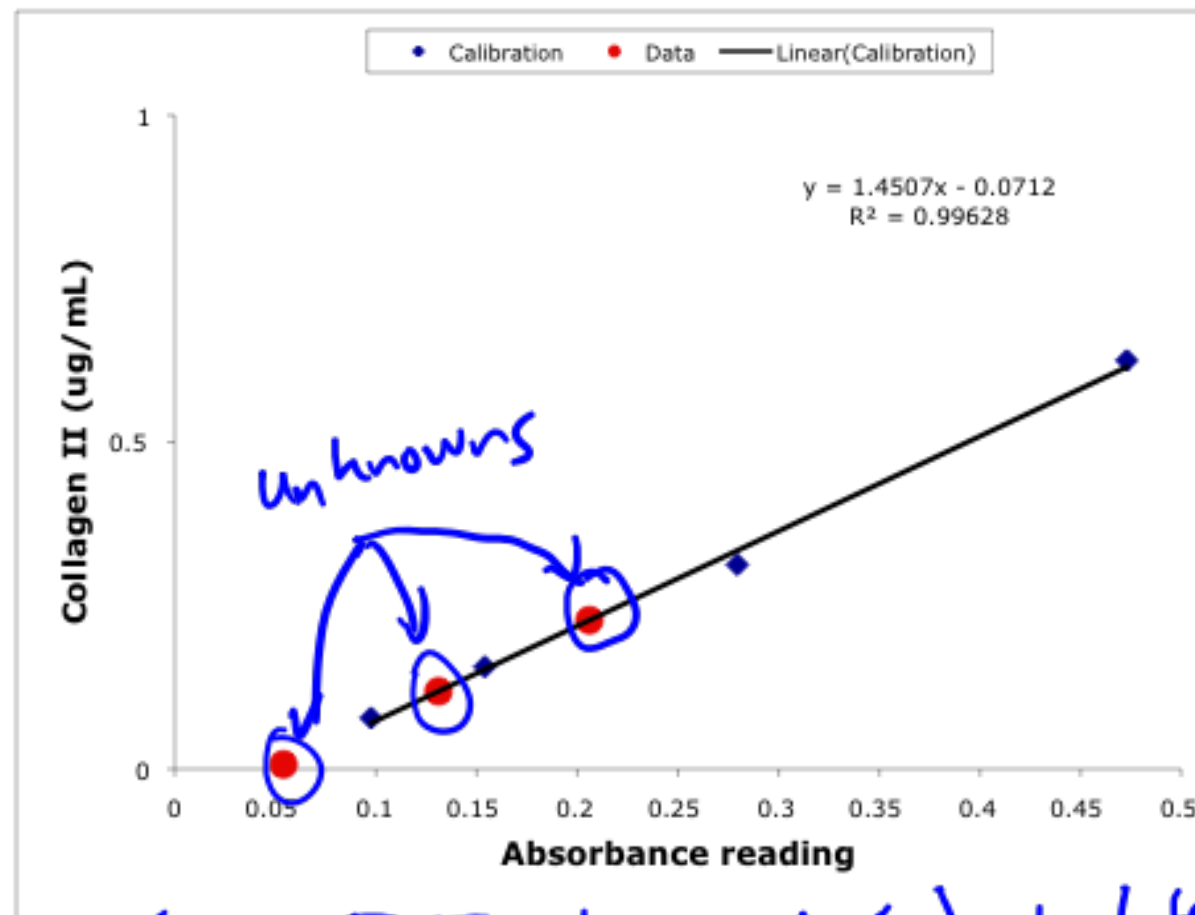
- Today: M3 report due; also finish clean-up, fill out WAC evaluations and reflection survey
- Presentations May 14<sup>th</sup>/15<sup>th</sup>
  - in room 16-336, starting at **1:30 pm**
- Plan for Thursday, May 16<sup>th</sup>
  - Meet in **56-614!**
  - ~11-11:30: give collaborative feedback about class
  - ~11:30-1: party (RSVP for food please)
- Don't forget final reflection assignment!

## Assignment return schedule

- M1 primer design summary: Monday 13<sup>th</sup> (\*)
- M3 mini-report: Monday 13<sup>th</sup> (\*)
- M3 proposals: Monday 20<sup>th</sup> (\*)
- M2 report, and comment on M1/M2 writing reflections: Monday 20<sup>th</sup>, evening
- Quiz, ntbk, FNT averages ready today or tomorrow (final W/F scores coming in)

(\*) = possibly sooner, but no promises 😊

# ELISA (and PG) analysis



report (1) CN II:I ratios and (2) absolute [CN].  
if (2) is v. low, (1) is meaningless!

# 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 → elevator pitch re: social and scientific context (big picture)
  - 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.

# 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!
- 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.