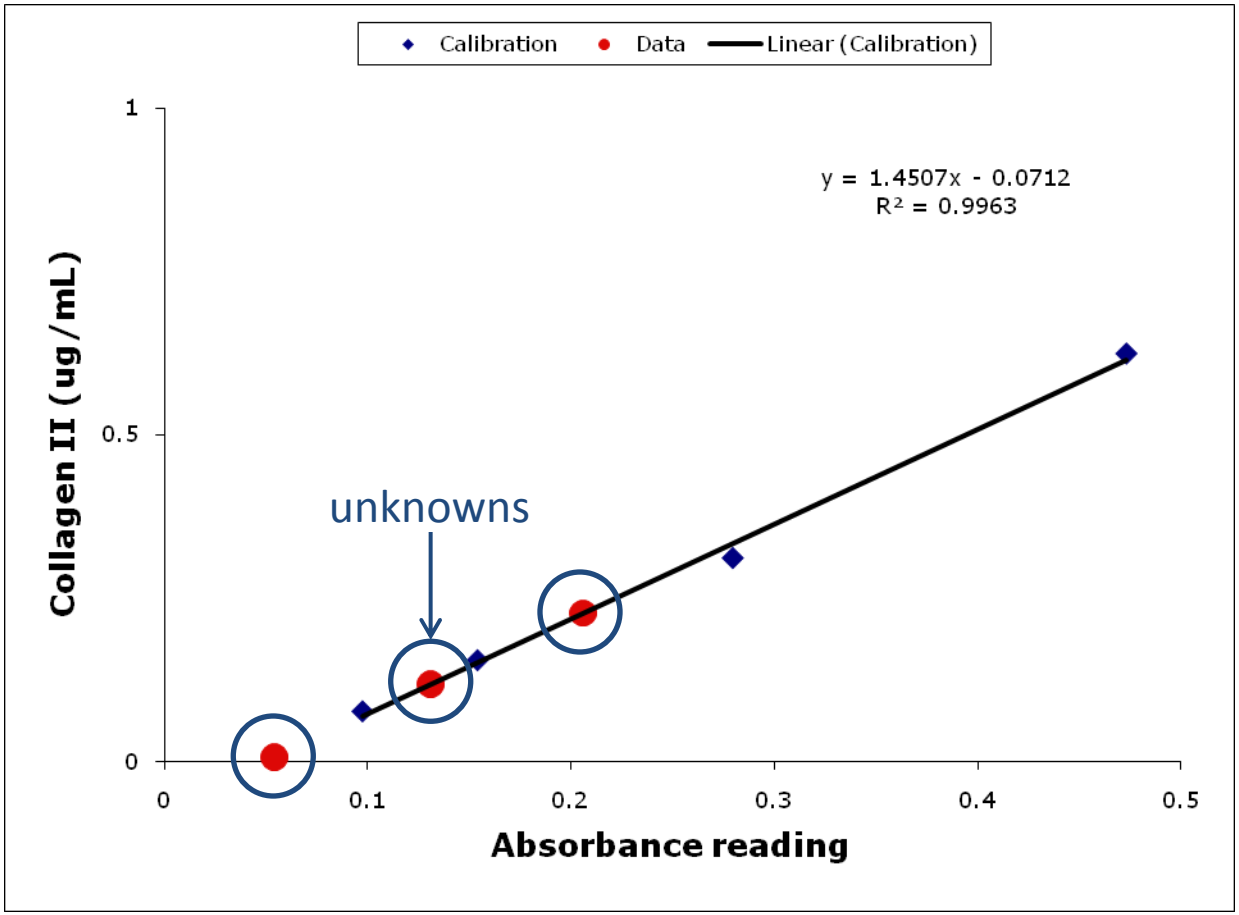
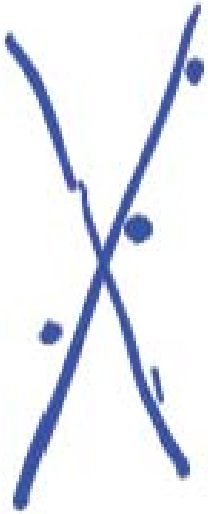
- Announcements
- Final Quiz
- Wrap-up comments

# Announcements

- Presentations May 11th/12th
  - Starting at 1:35 pm
- Plan for Thursday, May 13th
  - Lecture: give feedback, then fill out evaluations
  - Afterward, lab party at 12 -1:30 pm (RSVP)
- Final self-assessment
  - Optional (due to term regs), but would be nice to hear your input
  - Can hand in by email, by Thursday the 13th

# ELISA analysis



CN II/I ratios; also absolute values potentially.
if latter very small, former is meaningless.

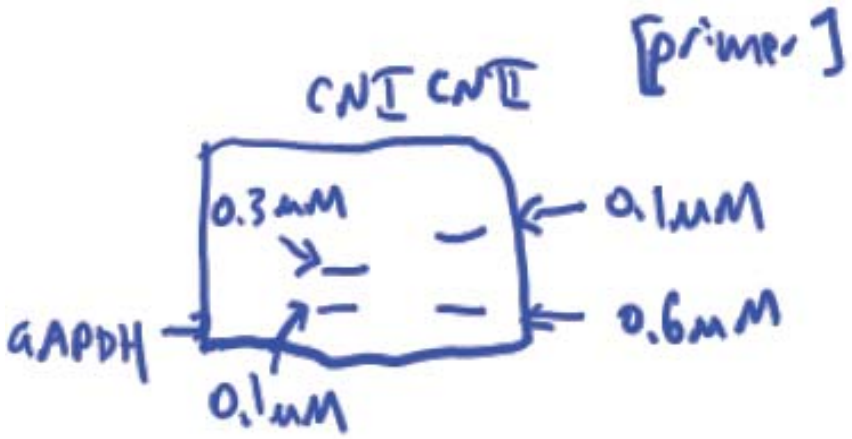
# Final assignments, etc.

- Report: what do I need to know to understand and repeat your experiment, given OWW access?
  - Experimental plan – alginate, cells (type/#)
  - Amount and quality of RNA
  - RT-PCR analysis method
  - ELISA level of replicate agreement
  - (Not an exhaustive list!)
- Research proposals
  - Rubric is online (*Assignments* page)
  - Specify a question and experiments to address it
  - Make clear what is novel aspect(s)
- Clean-up!

# Optional discussion of data

- Looking at live cell count vs. live cell %
- Understanding transcript assay mechanics
- What if protein and transcript assays suggest different conclusions?
  - technical reasons
  - biological reasons

low absolute conc.; differentiated degradation rates for I vs. II; pepsin rates for I vs. II; snapshot vs. cumulative; processing/export




- optimized for ~100ng template
- ELISA – absolute [protein]
- RT-PCR – relative to benchmark/each other information

# 20.109 Laboratory Fundamentals in Biological Engineering

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