- Announcements
- Quiz
- Pre-lab Lecture
  - ELISA
  - qPCR
Announcements

• Module 3 report due D7, 5 pm
  – Informal but clarity remains paramount
  – May be partly or completely done with partner
• Final project: presentations on Day 8
  – Optional videotaping
• Day 7 lecture
  – Atissa on presenting with a partner
• Day 8 lecture: special topics in TE
• Final lecture: class discussion/evaluation; party
ELISA

1. Bind protein → wash
2. Block with: milk protein
   collagens
3. Antibody
   1st antibody
4. Wash (Tween=soap)
5. Antibody
   2nd antibody
6. Substrate
   Colour
   colour difference starting [protein]
7. Spin samples for 5 min, max speed
   alkaline phosphatase
qPCR

- Real-time tracking of [DNA]
- Threshold cycle
  \[ CT \downarrow \text{ as } [cDNA] \text{ for gene of interest} \uparrow \]
- Be very careful pipetting samples today (amount, location)!

\[
\begin{align*}
\text{Red} & \quad \frac{c_{NI}}{1.2} \\
\text{Orange} & \quad \frac{c_{NI}}{1.2} \\
\text{SwL of diluted cDNA} & \quad \frac{18S}{1.2} \\
\text{we add 20uL of m. mixe} &
\end{align*}
\]