- Announcements
- Lab Quiz
- Pre-lab Lecture
  - Discuss written proposal
  - Preview solar cell assembly
  - Jackie: theory of solar cells and assembly demonstration

# Announcements

- Today (M3D4): solar cell assembly + notebooks + M2 12am
- Next (M3D5): solar cell testing; blog post due 12 am
- Finally (M3D6): briefly wrap up module (quiz, lab clean-up) but no oral presentations
- Bonus (Dec 11th): evaluations and class party!

- OH **by appointment** to discuss written proposals

+ Atissa (4pm) on "oral proposals" → content, audience, collaboration

# Successful elements of Shannon's mock proposal to note

- Overall organization/flow + 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

# Solar cell preparation

- Phage-nanomaterial complexes ground up and combined with TiO2 paste
- You will prepare **anode**
- Base: glass coated with FTO and then TiO2 – conductive and transparent
- YOUR PART: PASTE ONTO BASE
- High-temperature setting process, then dye addition

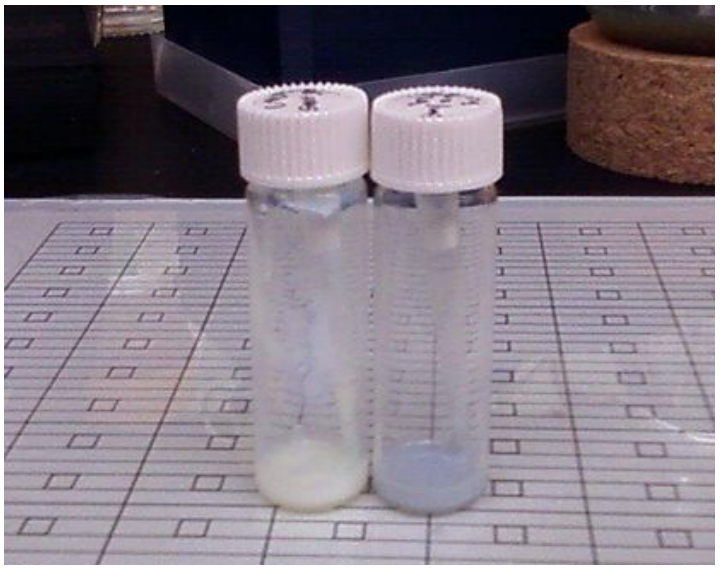

Image from wiki