* Power Feasibility
  + For battery, can we get readily available non-commercial battery?
  + BLE transmission: what is range of transmission?
    - 5 dBm should be 2 x range of 0 dBm
  + If we get more power, as in battery can be changed more often, then wifi may be another option.
    - There has to be some sort of tradeoff (relax size constraint, wifi, or power, etc.)
    - 12 hour battery life is fine.
* Size:
  + will turn out to be 1 cm x 15 mm, which is fine
* Bandwidth:
  + Get EEG data
    - Resample at different sampling rates and see what we lose and what is a good sampling rate.
      * Observe spectrogram and see what frequencies are present
  + Bare minimum sampling rate is 500 Hz.
  + If you can find a wifi solution that allows us to do the sampling we want, we are ok with changing the battery life to 12 hours.
    - Characterize what wifi would cost
* Compression:
  + Cannot compress more than 2x.
* Compromises:
  + 12 probes 16 channels or 12 channels 16 probe
  + 500 Hz lowest
  + Leave the form factor the same
    - Two batteries is fine
    - Bigger height is better than bigger diameter
* At the very end, we saw an 8-channel probe
* For next Time:
  + Send slides to Dr. Tandon
  + Send overall system design with batteries and what we think we are going to use to Dr. Tandon