**WNR (Wireless Neural Recorder)**

Rice University

Weekly Progress Report 15

1/15/2016 - 1/22/2016

12:00 - 1 PM

* BLE:
  + Trying to use the EKG profile to communicate
  + Must verify bandwidth with multiple slaves
  + Performance limits of 0.27 Mb/s
* Competitions:
  + Global health devices
  + cannot do TI
  + IEEE EMBS
* Power Consumption:
  + 3 mA
* Compression:
  + Yuan: Board Died
    - Order some more
  + What to do when buffer is full?
  + Memory Size: Enough memory?
    - Only a few kB of flash required
  + Compression: Test if it works on interleaved channels/data
  + Two Buffers: Input and compression buffer
    - What happens when they overflow?