

Tansy and Becca :Working on RSL10

- ☐ Looked into the Bluetooth low energy explorer to receive files from RSL10 on computer, want to read sensor values, and write to txt file for post-process in Matlab
- ☐ Need a dongle (Use On Semiconductor dongle for the RSL10)

Tyler: RSL/AFE Schematic

- ☐ Connect the RSL10 to AFE by SPI,
 - ☐ want to write the data received by RSL10 to a file, stream it out (no memory storage on board)
- ☐ Schematic
 - ☐ Did a first pass at board design and created parts list for board
 - ☐ Order board first, and then parts to ensure that the footprints match
- ☐ AFE
 - ☐ Soldering some db9 connectors to allow connected to pulse ox
 - ☐ Get 2nd AFE board simultaneously functioning
 - ☐ Explore how we can switch between getting values from two AFEs

Mark and Adam: LED and photodiode testing

- ☐ LED power output tested
- ☐ Board for LED testing was sent out

Tyler: Battery and Providing Power

- ☐ Rechargeable chip and power to battery (need a slide switch)
- ☐ If rechargeable and battery were tied together (no switch)
 - ☐ Board would use battery all the time
 - ☐ Plugging in USB charges the battery (may boost voltage of battery)
 - ☐ Charge more slowly

Miscellaneous

- ☐ Java installed to run eclipse