Attendance:

Everyone

Meeting with Evan:

* Devices in Soterix voltage range from 20-60 V and output 2 mA
* Change current spec to less than equal to 2 mA
  + If we can’t achieve 2 mA with our current voltage output
  + Suggested looking at research for 1.5 mA current effectiveness
* PCBway for PCB manufacturing
* Eaglecad for circuit designing
* Oshpark prerender what PCB looks like
  + Design check before the quote
* Send an email to Cardoso and Carriero to upgrade to PCB since we still have money in our budget
* Approve design with Evan by Monday

Meeting with Bikson:

* Talked about total cost of the device
  + Should be under $20
* Start/stop device
* A way to measure impedance through the hat to start stimulation
  + Using a beeper
* Look at different types of hats
* Circuit enclosure might increase cost
* Decisions based on practicality
* Working version is better than non working version
* Don't need IRB for testing if you are not publishing
  + Done on the purpose of a class
* Not necessary to stimulate people
* Separate testing
  + Impedance test on different people
  + Circuit over a period of time
* Have a rigorous testing plan
  + Data on final presentation

Tasks:

Eric - Design the strap for fixing electrode contact

Carim - Working with Eric on hat design

David - Measure impedance with strap design

Rad - Interface with microcontroller and PCB

Shalih - Working on safety circuit