

# NEUROTOUCH MEETING MINUTES

---

13 October 2016

Instructor Meeting/Client Meeting

## **Attendance:**

*Team:*

1. Brendan Souvenir
2. Christina Gibbs
3. Brooke Deans
4. Matt Harlow
5. Mazen Aljawi

*Instructor:* Dev Shrestha

*Clients:* Mike Maughan and Bryn Martin

**Start Time:** 4:00 PM

**Location:** GJ 108

## PRE-MEETING PREP

1. Snapshot Review

## CURRENT BUSINESS

1. Snapshot Discussion
  - a. Learned some new ideas
    - i. AFM
  - b. Learned about other sensors
    - i. INL project
  - c. How do we keep rod in mechanism?
2. Device Purpose discussion
  - a. Uses: tumors (superficial and ventricles), skin cancer, breast cancer
  - b. The device can measure effect of brain pulsations, so we won't need to worry about compensating for them.
  - c. Biological tissues have a toe region that we plan to be operating in during tissue measurement.
  - d. Cortical folds are ~1cm wide.
  - e. Strain rate dependent? We don't know
  - f. Other ideas: laser pen, hunting scopes
3. Mechanical Developments
  - a. End effector size? Pen tip or finger size?
    - i. Only go in 10% of radius to ensure accuracy.
4. Balluff Meeting
  - a. Rep is coming to town Wednesday.
  - b. Samples will be brought and tested.
5. Should be doing more delegation as a team and not just make Brendan do all of the sensor research.

### FUTURE BUSINESS

1. Onket Gupta (?)- look up
2. DAQ and Oscilloscopes upstairs GJ
3. Talk to Dr. Schiele about load cells and biological tissues
4. Look up competitive prices before Balluff meeting.
5. Start coding

**Meeting Adjourned:** 9:15 AM