

Client

Dr. Ei Terasawa
Dept. of Pediatrics
School of Medicine and Public Health

Team Members

Mark Reagan (Leader)
David Leinweber (BSAC)
Anika Lohrentz (Communicator)
Alison Boumeester (BWIG)

Progress Report 1

September 2: September 9, 2009

Problem Statement:

The purpose of the project is to develop a device allowing monkeys to be free from chairing while experiments are conducted. Direct measurements of neurochemical substances in the brain from free moving non-human primates is significantly important for understanding complex brain function and developing treatment strategies for brain disorders in humans. During the last 3 semesters, four BME students worked hard to design and built two devices. However, the device still needs further refinement for actual application. We have a new idea to approach. The development of the device requires creativity, intellectual exercise, and hard work.

Summary of Accomplishments

- Contacted and met with Dr. Terasawa
- Researched work done previously on project
- Held Meeting with advisor
- Created list of possible meeting times

This Week's Goals

- Read and fill out paper work to work with Monkeys
- Obtain TB clearance from UHS
- Research new "suction" idea to find out if it is plausible
- Meet with Dr. Terasawa and Kim on Friday September 18
- Create detailed schedule

Individual Goals

- Mark: Obtain TB clearance, write progress report, research suction idea
- David: Obtain TB clearance, research suction idea, attend BSAC
- Alison: Obtain TB clearance, research suction idea, build website
- Anika: Obtain TB clearance, research suction idea, send out meeting times for next week

Activities

- 9-2-09: Met with team, set goals for semester, and exchanged contact info (1h)
- 9-3-09: Research previous project's work (Individual)
- 9-11-09: Met with advisor and Dr. Terasawa (2h)