

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

November 19, 2009: December 2, 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

- Attended lecture in Engineering Hall
- Met with client to show cast and let them know timeline
- Finished paper and sent out for review
- Created outer shell using thermoforming
- Finished prototype
- Tested on model monkey head
- Designed implementation process
- Finalized Poster

This Week's Goals

- Give Final Presentation
- Finish Paper

Individual Goals

- All team members must practice their sections for the presentation as well as work on the report.

Activities

- 11-20-2009: Guest Lecturer (Team)(1h)
- 11-20-2009: Client Meeting (Team)(1h)
- 11-22-2009: Team Meeting(2h)
- 11-23-2009:Team Meeting (Mark and Alison) (1h)
- 11-24-2009: Team Meeting (3h)
- 11-30-2009: Team Meeting (3h)
- 12-1-2009: Team Meeting (2h)
- 12-2-2009: Team Meeting (3h)