

## **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**

October 8: October 15, 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**

- Gave presentation to client and others with design ideas
- Narrowed down design idea to reverse cone idea
- Worked on PPT and presentation

## **This Week's Goals**

- Give Presentation
- Work on schematics for reverse cone idea
- Start looking at parts to start design

## **Individual Goals**

- All team members should prepare for mid-semester presentation

## **Activities**

- 10-12-2009: Team met to go over PPT slides and presentation (2h)
- 10-15-2009: Alison, David, and Anika me to make final corrections on PPT
- 10-15-2009: Team practice presentation individually to get ready for Friday