

# Neurochemical Sampling Device

**Week 7** – March 6 to March 13, 2008

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## **Problem Statement:**

Our goal is to construct a device that protects the microdialysis apparatus used during cranial experiments on non-human primates. This device will free the monkey from the constraints of chairing while the experiment is conducted and will provide a more comfortable and realistic environment for the monkey. The device should be lightweight, durable, and removable to meet the needs of both the researcher and the subject.

## **Restatement of Team Goals:**

This week we would like to finish up our mid-semester report and give our presentation. We also hope to work on finalizing the dimensions of our device so we can start ordering materials. Hopefully we will be able to find someone who is capable of creating what we want. We think we have a few good options of people who can do that for us.

## **Summary of Accomplishment:**

We finished creating our report and our presented on Friday. We then went over to the Primate Center and gave our presentation again to the staff. They gave us feedback on our design and its feasibility. Our client was happy with the design and wants us to start building it. We also met with Bruce, the shop guy at the Primate Center, and got a monkey skull and information on how we are going to build our design. We also obtained an MRI of a monkey, a cranial pedestal, and the screws they use.

## **Statement of Team Goals:**

This week we would like to determine exactly what materials we are going to need and then order them. We would also like to work on using the measurements, the MRI, and the skull to figure out the exact dimensions of our device.



Testing															
Re-designing															
Re-testing															
Meeting with client															
Group meeting															
Presentation															
Progress report															
Website															

**Expenses:**

There are no expenses so far.