*Project # 18 – **Development of a Device for Neurochemical Sample Collection from Freely Moving Monkeys***

Team Members: Cole Drifka (Co-Leader), Lauren Eichaker (Co-Leader), Ben Fleming (BWIG), Adam Pala (Communicator), Sarah Springborn (BSAC)

Progress Report: 8

Week: 7(March 28– April 3)

Primary Contacts	**Information**
Client: Dr. Ei Teresawa	Department of Pediatrics, Primate Center Building Email: terasawa@primate.wisc.edu Phone: (608) 263-3579
Advisor: Professor Brenda Ogle	Assistant Professor, College of Engineering, Biomedical Engineering Email: ogle@wisc.edu Phone: (608) 265-8267

Revised Problem Statement:

To improve on the device created last semester that protects the microdialysis apparatus used during cranial experiments on non-human primates. This involves continued efforts to reduce the weight of the device, secure it around the monkey's head, and better able to cushion the microdrive unit.

Summary of Accomplishment:

Client likes our plans as presented with drawing. Finalized product ideas and how to obtain. Booked Thermoformer for 4/10/09 to construct most of the final piece.

Statement of Team Goals:

Obtain materials; hear back from Bruce. Begin construction on 4/10/09.

Difficulties:

Need to hear back from Bruce, the machinist (minor).

Activities:

		Hours This Week	Hours
Cole Drifka	Looked into constructing an air bladder, found a practical foam, began researching adhesives.	3	18.75
Lauren Eichaker	Correspondences with Professor Turng, Lori Holms of polymer engineering center and Bruce, the machinist at the Primate house (1 hour). Solidwork's drawing redo (0.5).	1.5	29.5
Ben Fleming	Researching foam/glue options (0.5), website (0.25).	0.75	16.25
Adam Pala	Solidworks work (1.5), obtaining pictures of thermoformer and a piece of plastic (2 trips, 1 hour total).	2.5	21.75
Sarah Springborn	Worked on Final Report.	2.5	13.25
Team	Client meeting (3/27/09). Team meeting to determine dimensions of solidworks drawing #2.	2	14.75

Expenses:

Need to obtain from the Primate house…