

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 4– April 10)

<b>Primary Contacts</b>	<b>Information</b>
Client: Dr. Ei Teresawa	Department of Pediatrics, Primate Center Building Email: <a href="mailto:terasawa@primate.wisc.edu">terasawa@primate.wisc.edu</a> Phone: (608) 263-3579
Advisor: Professor Brenda Ogle	Assistant Professor, College of Engineering, Biomedical Engineering Email: <a href="mailto:ogle@wisc.edu">ogle@wisc.edu</a> 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:

Coordinated activities of multiple parties to plan construction day (tomorrow). Started on final report, submitted all ordering info to client except for watch strap; this component will be determined and submitted Friday (4/10).

Statement of Team Goals:

Obtain moulds Thursday/Friday, make the plastic pieces, mark them for cutting by the machinist and get them back to the machinist. Make the airbladder, pour the silicone and return the piece to the primate house by 4/21. Test on 4/24.

Difficulties:

A team member obtained information pertaining to the fact that grad students could make our moulds for free by construction day, this proved false; we thus needed to get all descriptive materials to the machinist at the primate house asap in order that he make our moulds for our deadline. Coordination with parties whose grade/life this project does not affect; being ignored also proved difficult to deal with.

Activities:

		Hours This Week	□ Hours
Cole Drifka	Began investigating construction of airbladder, cutting of foam, working on notebook.	3	21.75
Lauren Eichaker	Coordination of construction day with grad students/machinist/team (2.25). Made timeline of the next 3 weeks for Client, solidworks and sketches for machinist (0.75).	3	32.50
Ben Fleming	Website (0.25), notebook (1), finding glue/dispenser (0.5).	1.75	18.00
Adam Pala	Solidworks and Client Communications	1	22.75
Sarah Springborn	Meeting with polymer people.	2	15.25
Team	Client meeting (4/3/09).	1	14.75

Expenses:

Need to obtain from client: silicone, adhesive

*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 4– April 10)