

This Week's Goals:

- Finish and submit final journal article
- Present current prototype to client and get input
- Return borrowed equipment to BME department
- Return remaining equipment to Dr. Saupe

Project Difficulties: We encountered no major difficulties this week.

Project Timeline:

<i>Week starting:</i>	<i>Accomplishment/Goal</i>	<i>Completed</i>
Jan. 26, 2007	Assemble team, establish roles	✓
	Familiarize Marty with project	✓
	Brainstorm ideas to solve previous design problems	✓
Feb. 2, 2007	Finalize solution for leakage and structural integrity	✓
	Brainstorm ideas for computer control and saline heating	✓
Feb. 9, 2007	Machine box to smaller dimensions	✓
	Update PDS	✓
	Test pressure transducer with measuring equipment	✓
Feb. 16, 2007	Purchased parts	✓
	Begin work on proof of concept	✓
Feb. 23, 2007	Machine catheter fittings	✓
	Begin programming for pressure/temperature control	✓
	Continue work on proof of concept	✓
March 2, 2007	Work on prototype	✓
March 9, 2007	Midsemester Presentation/ Outreach to LaFollette High School	✓
March 16, 2007	Work on prototype	✓
March 23, 2007	Work on prototype	✓
March 30, 2007	Work on prototype	✓
April 6, 2007	Spring Break	✓
April 13, 2007	Work on prototype	✓
April 20, 2007	Work on prototype	✓
April 27, 2007	Work on prototype	✓
May 4, 2007	Final Poster Presentation	✓
May 9, 2007	Final Report Due	Tomorrow

Expenses:

Part	Manufacturer	Part number	Distributor	price	Quantity
<i>Plastic Sheet</i>	<i>McMaster</i>	<i>8560K603</i>	<i>McMaster-Carr</i>	<i>\$33.60</i>	<i>1</i>
<i>Latches</i>	<i>McMaster</i>	<i>6082A12</i>	<i>McMaster-Carr</i>	<i>\$4.00</i>	<i>6</i>
<i>Plastic tube</i>	<i>McMaster</i>	<i>8532K12</i>	<i>McMaster-Carr</i>	<i>\$3.75</i>	<i>1</i>
SwageLok	SwageLok		Badger Fluid Systems	\$8.24	1
RTV Silicone Caulk	McMaster	76435T8	McMaster-Carr	\$3.34	1

Vacuum Tubing	McMaster	5173K48	McMaster-Carr	\$0.10/ft	2 Feet
Screws			Hardware store	\$3.47	18
Air Pump	Sensodyne		Sensodyne	\$59.00	1
Pipe fitting plug			ACE Hardware	\$1.40	1
Rubber Washer			ACE Hardware	\$1.30	1
O-Ring			ACE Hardware	\$0.59	5
Aluminum	McMaster	89845K131	McMaster-Carr	\$7.95	1
Epoxy	J-B Weld	7605A11	McMaster-Carr	\$5.53	1
Heater power supply		102-1333-ND	DigiKey	\$23.56	1
Logic FETs	International Rectifier	IRF3708-ND	DigiKey	\$2.71	3
Air pump power supply		70235K69	McMaster-Carr	\$14.22	1
Heating pad	Minco	HR5183R15.6L12BU	Minco	\$57.75	1
Misc. Circuit Components	Various		ECE Parts Shop	\$11.62	1

Total: \$329.00

Note: Last semester's purchases are in italics.