Project Title: Creation of a live cell-imaging device for use with laser-based confocal microscopy. Project #28

Team Members:
Jon Sass – Team Leader
David Schurter - Team Leader
Bryan Fondrie – Team Communicator
Dan Jonovic – BWIG
Matt Kudek – BSAC

Client:
Lance Rodenkirch
W. M. Keck Lab for Biological Imaging
Center for Neuroscience
Phone: 265-5651
email: larodenk@wisc.edu

Date: 9/21/06 – 9/28/06

Problem Statement: Alter a current glass bottom cell imaging container so that substances can be profused into the cell culture at a controlled rate.

Individual Goals:
Jon Sass – progress report; research synthetic serums, gravity pumps, electrical pumps, and removal systems
David Schurter- progress report; research synthetic serums, gravity pumps, electrical pumps, and removal systems
Bryan Fondrie – research synthetic serums, gravity pumps, electrical pumps, and removal systems
Dan Jonovic – research synthetic serums, gravity pumps, electrical pumps, and removal systems
Matt Kudek - research synthetic serums, gravity pumps, electrical pumps, and removal systems

Summary of Team Accomplishments: This week was devoted to research and a group meeting outside of class. We decided to split the project into three sections: pumps, distribution of media, and removal. We also decided to set up a meeting with a grad student to get a more thorough feeling for the project.

Statement of Team Goals: We must now pursue the brainstorming portion of our project. We must develop at least 3 viable solutions to the problem and then map out their potential usefulness in the solution of the problem.

Rough Project Schedule:
9/8/06-10/20/06 – Meet with client/ brainstorming/ research.
9/22/06 – **PDS Due.**
10/20/06 – **Oral presentations, mid-semester reports due.**
10/20/06-12/8/06 – Work on project, create prototype.
12/8/06 – **Poster Presentations.**
12/13/06 – Notebooks and final report due.
12/15/06 – Meet with advisor.

**Difficulties:** None.

**Activities, week to date:**
Jon Sass – progress report, research
David Schurter- progress report, research
Bryan Fondrie – contact client, research
Dan Jonovic – research
Matt Kudek -- research

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<tr>
<th>Name</th>
<th>Hours (Week)</th>
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<tbody>
<tr>
<td>Jon Sass</td>
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