

Bioreactor for Tissue Engineering, Team Bioreactor

Week 1 – January 26 to February 1, 2007

Team Members: Karen Chen – Team leader

Richard Bamberg – Communications

Rachel Mosher – BSAC

Dustin Gardner – BWIG

Client: Dr. Susan Thibeault

Dept. of Otolaryngology, UW Medical School

Phone: 608/263-6751, Email: thibeault@surgery.wisc.edu

Advisor: Brenda Ogle

Assistant Professor/ Dept. of Biomedical Engineering

Phone: 608/265-8267, Email: ogle@wisc.edu

Problem Statement

The team has not yet meet with the client. Thus, the needs and the goals of the clients have not been established.

Restatement of Team Goals

A brief statement was given online about the team goals, which will be further improved in the future. The main goal of this project is to develop a bioreactor that will allow the study of fibroblast and cell response to mechanical and vibratory forces. This bioreactor will need to allow cell culture of the cells while undergoing controlled vibratory and stress paradigms.

Individual Goals

Dustin	Research on bioreactor background, set up the website, take the group photo if possible
Karen	Research on bioreactor background, send out the progress report
Rachel	Research on bioreactor background, make rearrangements with the BSAC persons
Richard	Research on bioreactor background, send out contacting emails between the client and the team

Summary of Accomplishment

- The team has met together during class time and exchanged contact information.
- Richard has sent out emails to the client to set up a meeting time. This will take place this Friday (Feb. 2)
- All team members have researched on the bioreactor background to get a better understanding of this subject.

- The team has exchanged schedules to determine a meeting time outside of class.

Statement of Team Goals

The team should meet with the client on Friday (Feb. 2) to obtain more information on the needs and the goals of the client. Further background research is also needed. The team should arrange a meeting time outside (if possible) to discuss on the preliminary product design specification (PDS).

Difficulties

The main difficulty encountered this week is to find a team member that would best fit the BSAC schedule. Currently, none of the team members could make the BSAC meetings.

Activities

01.26.2007	Team: Choose project and meet together Decide team member roles Send out email to client	2.00h
01.27.2007	Richard: Receive meeting information from client Set up meeting times	0.25h
01.29.2007	Team: Share contact information	0.25h
01.30.2007	Team: Continuous background research	1.50h

Project Timeline

To be determined with the team during the next meeting, after the goals are set.

Expenses

Currently there is no expense.