
Progress Report

October 24, 2006 – October 31, 2006

Team: Interpenetrating networks for delivery systems

Team Members: Ashley Huth- Team Leader
Max Michalski- BWIG
Claire Flanagan- Communicator
Adam Rieves- BSAC

Client: Professor John Kao
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Problem Statement:

Interpenetrating networks are a type of biomaterials that polymerize in situ and have been used in drug delivery, wound healing, and tissue engineering applications. This design project involves the development of novel delivery mechanisms that should be clinically easy to use with improved storage life.

This Week's Goals:

- Look into ordering different surfactants
 - Sodium Dodecyl Sulfate
 - Hexadecyltrimethylammonium bromide
 - Ethoxylate octylphenol
- Test using Tween 20 and different molecular weight gelatins
- Look into ordering different biological buffers
- Meet with Kyle K.
- Continue literature research

Summary of Accomplishments:

- Picked up 2 kDa PEG and 3.4 kDa PEG
- Picked up additional supplies
- Ordered different molecular weight gelatins
 - 80-100 bloom gelatin
 - 150 bloom gelatin
- Received gelatin
- Finished mid-semester report and turned in design notebooks

Activities:

Team: Met in class, finished mid-semester report, ordered supplies, researched additional supplies to purchase (4 hr)
Ashley: Wrote progress report, basic research, edited design report, picked up supplies (4 hr)
Adam: Basic research, attended BSAC meeting, edited design report (3 hr)
Claire: Basic research, edited design report (3 hr)
Max: Basic research, edited design report, picked up supplies, updated website (4 hr)

Total time this week: 18 hrs
Cumulative Time: 108 hrs

Project Timeline:

Task	September				October				November				December		
	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15
Design															
Design Brainstorming															
Preliminary Design															
Wednesday Team Meeting															
Research															
Deliverables															
Progress Report															
PDS															
Mid Semester Paper															
Mid Semester Presentation															
End Semester Presentation															
End Semester Paper															
Meetings															
Client															
Advisor															
Other															
Website															
BSAC															

	Done	Goal
All		
Adam		
Ashley		
Claire		
Max		