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# Progress Report

March 24, 2007 – March 27, 2007

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**Team:** Interpenetrating networks for delivery systems

**Team Members:** Ashley Huth- Team Leader  
Claire Flanagan- Communicator  
Jon Sass- BSAC  
Adam Rieves- BWIG

**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.

## Summary of Accomplishments

- Contacted Wolfe Tory Medical again in regards to purchasing or obtaining a sample of their atomizer connector to a standard syringe (Part # MAD300).
- Researched one-way valves
- Purchased straws with ¼ inch diameter one-way valves
- Placed order for materials to make cold water soluble gelatin.
- Looked into large one-way valves

## This Week's Goals

- Order large one-way valve
- Begin modifying syringe
- Try different protocols for creating cold water soluble gelatin
- Begin modifying syringe.

## Expenses

Product	#	Supplier	Price
ACS Reagent Grade 500mL	S70090	Fischer Scientific	\$5.94
Isopropanol 500mL	AC42383-5000	Fischer Scientific	\$15.90
One-way drinking straws	ST1001	Allegro-Medical	\$24.95
<b>Total Cost</b>			<b>\$46.79</b>

## Activities

Team Member	Activity	Time	Running Total
Claire	Team meeting Tuesday, individual work on design and research of materials, team meeting Friday	3 hours	40 hours
Ashley	Team meeting Tuesday, individual work on design and research of materials, progress report, Team Meeting Friday	3 hours	38 hours
Jon	Team meeting Friday, team meeting Tuesday, individual work on designs and research of materials	3 hours	36 hours
Adam	Team meeting Friday, team meeting Tuesday, individual work on designs and research of materials, updated website	3 hours	40.5 hours
<b>Team Total</b>		12 hours	154.5 hours

## Project Timeline

Task	February				March					April				May		
	2	9	16	23	2	9	16	23	30	6	13	20	27	4	11	18
<b>Design</b>																
Design Brainstorming		O	O	O												
Preliminary Design					O											
Friday Team Meeting	O	O	O	O	O	O	O	O								
Research	O	O	O	O	O	O	O	O								
<b>Deliverables</b>																
Progress Report	?	?	?	?	?	?	?	?								
PDS	O	O														
Mid Semester Paper					O	O										
Mid Semester Presentation				O	O	O										
End Semester Presentation																
End Semester Paper																
<b>Meetings</b>																
Client	O	O		O												
Advisor	O	O	O	O	O	O	O	O								
Other																
<b>Website</b>		X	X	X	X	X	X	X								
<b>BSAC</b>	?		?		?		?									

	Done	Goal
All	O	
Adam	X	
Ashley	?	
Claire		
Jon	?	