

## Intracoronary Wire

**Week 10**–March 27– April 2

**Team Members:** Allison McArton – Team leader

Angwei Law – Communications

Padraic Casserly – BSAC

Grant Smith – BWIG

**Client:** Prof. Vik Chhokar

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**Advisor:** John Webster

Professor/ Dept. of Biomedical Engineering

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### Problem Statement

A novel coronary guide wire is to be developed such that torquability along the wire's entire length is maintained and the wire's tip conformation can be changed in vivo via external operation.

### Restatement of Team Goals

Start obtaining materials and work on constructing prototype.

### Individual Goals

Allison	Create next week's progress report, focus research on obtaining Nitinol parts.
Angwei	Continue communications, look for materials.
Grant	Update website. Also continue researching Nitinol and materials for construction.
Padriac	Attend BSAC meeting, research supplies for prototype

### Summary of Accomplishment

- Researched possible materials for prototype.
- Came up with several possible ways for testing our ideas.
- Will meet with Prof. Wendy Crone on 4/3/09.
- Group meeting to plan prototype construction (1h) on 4/2/09.

### Activities

Allison	4.1.09	Researched materials and companies to order from, watched video.	1.5h	2.0h
	4.2.09	Created progress report/ Updated PDS	.5h	
Angwei	multiple days	Communications	.5h	2.0h
	3.30.09	Research/Video	1.5h	
Grant	3.31.09	Research/Video	1.5h	1.5h
Padriac	3.27.09	BSAC Meeting	.5h	2.0h
	4.1.09	Research/Video	1.5h	

### Project Timeline

Table 1

	January		Feb				March			April				May
Tasks	23	29	7	14	21	28	6	13&20	27					
Project Research														
Brainstorming														
Prototype Design														
Prototype Building														
Testing														
Re-designing														
Re-testing														
Meeting with Client														
Group Meeting														
Presentation														

### Expenses

Currently there is no expense.