

# BME 301 Progress Report

## Automated Bioanalytical Chemistry Sample Tube Uncapping and Capping Device

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\* **Client:** Dr. Robert Radwin (ISyE, BME)

\* **Advisor:** Dr. Chris Brace (Dept. of Radiology)

\* **Report Period:** January 22<sup>nd</sup> - 26<sup>th</sup>

### \* **Project Overview:**

Employees in a commercial laboratory cap and uncap more than 500-700 test tubes per day for a rapid, high throughput analyzer. This is causing undesired stress in the lab technician's fingers and hands. A design of a completely automated sample bottle cap cassette is desired that will eliminate much of the manual work by the technician during use of the analyzer.

\* **Last Week's Goals:** No news

\* **Summary of Design Accomplishments:** No news

### \* **Summary of Team Role Accomplishments:**

**Katie (Leader)** – progress report

**Alec (Communicator/BSAC)**– communicated with client, advisor, and team.

**Jake (BWIG)** – updated website with team roles

**Sam (BPAG)** – no news

### \* **Activities:**

Date	Person	Task (hours)	Previous Total	Weekly Total	Semester Total
1/26	<b>Katie</b> (Leader)	Progress Report (0.75)	0	0.75	0.75
1/26	<b>Sam</b> (BPAG)	Brainstorm capping mechanism (0.75)	0	0.75	.75
1/26	<b>Alec</b> (Communicator /BSAC)	Initial Contact with Advisor and Client (0.5)	0	0.5	0.5
1/26	<b>Jake</b> (BWIG)	Fix up existing device (1)	0	1	1



Team															
Advisor	X														
Client															
Website															
Updates	X														

\* **Difficulties:** No news

\* **Expenses:** No news

Item	Cost	Company/store
<b>Total</b>		