

**EE/CpE 423-424  
WEEKLY STATUS REPORT**

<b>Group #</b>	<b>7</b>	<b>Week ending: (Saturday)</b>	<b>10/1/05</b>	<b>Report #</b>	<b>2</b>
<b>Project Title:</b>	<b>MicroSpy Biochip</b>				
<b>Group Leader:</b>	<b>Ishtiaq Saaem</b>	<b>Advisor:</b>	<b>Hong Man</b>		
<b>Sponsor/Client:</b>	<b>Microstructure Research Group / CAG</b>				
<b>Total number of person-hours spent on project by group during past week:</b>				<b>43.5</b>	
<b>Is project on schedule?</b>		<b>Yes</b>	<b>[ x ]</b>	<b>No</b>	<b>[ ]</b>

<b>Weekly status:</b>
<p>- Updated website with a better interface. In process of uploading off of personal.stevens.edu to group specific URL: www.nanohydrogel.com</p> <p>- Met with sponsors in 3 separate project meetings over the week. Discussion centered on targeted project goals for a 1 month timeframe. Explored possibility of Intellectual Property processing for the specific bioassay. (Group plans to approach Prof.McNair for further advice in the coming week)</p> <p>- Research Training:</p> <ul style="list-style-type: none"> <li>• In process of being certified for working with blood-borne pathogens at PHRI.</li> <li>• Learnt protein purifications for Ecoli.21 strains and plasmids</li> <li>• Learnt operation of Genepix 4000A and 4000B CCD scanners.</li> <li>• Continued training on Soft Lithography from last week: <ul style="list-style-type: none"> <li>• Etching (12 chips were etched)</li> <li>• Plasma Treatment (1set of 6)</li> <li>• VMS Coating (1set of 6)</li> <li>• 1304AFS treatment (1set of 6)</li> <li>• Read papers on PDMS coating and master development</li> </ul> </li> </ul> <p>- Modified low-pressure Oxygen plasma system (Microstructure Research Lab facility) to accommodate RF-Glow Deposited (RFGD) Argon discharge. The RFGD-Argon process is currently being explored for varying wettability of biochip substrate.</p> <p>- Continued correspondence with Topometrix by sending copies of images of AFM.</p> <p>- Initiated literature survey for possible end-user design.</p>

**Weekly report is due to Senior Design Coordinator and TA by Noon Monday. Email submission is greatly preferred - submit using WebCT, email to sd@koala.ece.stevens-tech.edu or individual emails. Copy should be sent to advisor**