

Senior Project – BioPrinter

10/09/2012

Old Business

- Equipment Safety Training
 - o To start preliminary testing
- Scanning electron microscope
 - o Dr. Hall will meet with Dr. Lovett about student access/use

ADVANCES FROM THIS WEEK

- Hayin: Downloaded replicator G for g-code
 - o Found MakerBot Generation 4 Kit Amazon for \$275
- Dana: Ordering
 - o Polypropylene boards were ordered
 - o Syringes 100 units
 - Is a prescription/referral needed?
 - o Cell culture media
 - o Kyles' shtuff
- Brian:
 - o Cad design for the syringe
 - o ATTC – shipping charge
 - o Culture media is placed in the refrigerator
- Dr. Hall is meeting with Dr. Yan
 - o Bottle of PBS, pipet
 - o Fisher account: Pass and username were given to Dana.
- Brian: Working on the assembly
- Kyle: discuss when to order stepper motors
 - o Stepper motor – ordering from manufacturer?
 - Perhaps order with other teams?
 - o Already ordered: Y-axis : rails, lead screw, bolt lead screw
- Dana: Did talk to Dr. Lovett about the Scanning electron microscope?
 - o Gantt Chart
 - Comparison of Gantts Or Updated Gantt
 - If sudden change (2weeks) update Gantt
 - If no big change make a note
 - o Work on proposal of budget increase
- Hayin: Updates from electronics
 - o Makerbot Kit
 - o Replicator G
 - o G-code

- Kendra:
 - What will the culture dish be sitting on under the uv light?
 - The distance is 15 cm, and will be sitting for standard 30 min
 - What are the specs of uv light – wavelength?
 - Look at manufacturer's bulb wavelength
 - Use of 70% or pure ethanol? – Dr. Hall
 - Limitations of ethanol: denatured (trace elements)
 - Pure ethanol has a liquor tax
 - 70% - will not kill everything

GOALS FOR NEXT WEEK

- Dr. Hall
 - Will not be around the week of 10/22 – 10/26
 - Ask Dr. Yan to supervise BioPrint group during absence
 - Needs to find out if there is a CO2 tank replacement
 - Dr. Lovett Scanning electron microscope student use
- Dana
 - List of materials that may be needed from the chem. Dept
 - Preliminary list of materials for the experiment
- Kendra
 - Wavelength of uv light