|  |
| --- |
| **Work Completed**  **-** Resubmitted High MW HA large batch sample and got results.  **-** Large peak from first sample did not appear on second sample  **-** Numbers still yield a degree of substitution that is impossibly high  **-** Continued to sort out the degree of substitution calculation and found that the degree of substitution is to high and is above error range.  **-** Checked previous papers for information on amount of PEG to use but found that later papers use malemide and peptides more like the the MITCH gels from Dr. Heilshorns lab  **-** Successfully formed a gel. The gel formed very slowly. I believe this was due to the problem with how much PEG to use have since fixed this problem.  **Work for Next week**  **-** Continue writing materials and methods section  **-** Sort out Degree of substitution problem to properly determine how much material to use to form the gels  **-** Find NMR of HA to better understand what each peak corresponds to in order to verify substitution calculations.  **-** Run Swelling experiments  **-** Time permitting I would like to also work on the rheometer next week, but I am more committed to finishing the swelling experiments  **-** Get new picture to Dr. Leach for the website |