Weekly Report #2

Date: 9/16/2013

Project Name: Bloodless Glucose Testing

Group Number: 20

Group Members: Nelson Wu, Cong Zhang, Tianyi Zhou

Current status of project: We have met with Dr. Singamaneni, and he has agreed to allow us to use his lab equipment to test Raman spectroscopy as a potential method of bloodless glucose monitoring. However, he suggests that we talk with an optical specialist if we seek a portable version of Raman spectroscopy. With the assistance of Keng-Ku of Singamaneni’s lab, we performed a preliminary experiment to test the effectiveness of the Raman spectroscope. Additionally, we have discussed the NDA agreement with Dr. Klaesner, and he has brought up two points of the NDA that may take too much agency away from our group.

Work planned for next week: We will retrieve the data from the experiment this week and continue to perform tests with Raman spectroscopy. We must find an optical specialist to determine the feasibility of creating a portable version of Raman spectroscopy. Dr. Singamaneni suggested two possible contacts that may know optical specialists. We need to negotiate potential NDA issues with Dr. Brooks. We will also discuss the NDA with a member of the law clinic to improve clarity on the matter. Finally we will continue the literature/patent search for alternatives to bloodless glucose monitoring in the event that Raman spectroscopy is either unfeasible or insufficient.

Anything needed from client or TA or instructor to continue work: Nothing this week.