**WEEKLY PROGRESS REPORT:**

**Date**: October 6th, 2014

**Project Name**: Portable, Low-Cost, Pneumonia Diagnostic Device

**Group Number**: 17

**Group Members**: Lauren Bedell, Shay Aluko, Clark Ingram

**Current status of project**:

This past Saturday, our group’s website went live. Lauren worked very hard to design. The URL is http://pneumoniadiagnosticdevice.weebly.com/.

Last Monday, we met with Professor Moran to continue the concept generation phase of our design. Moran gave us guidelines on what he was looking for in each concept and told us to write the most about the concepts that looked the most promising. We continued researching chemical, acoustic, and electromagnetic methods of signal acquisition. Today, we have not completely finished researching all concepts, but we have made very good progress. We found two clinical papers that discussed the utility of using pulse oximetry to identify serious pulmonary infections or conditions. Pulse oximetry falls under the electromagnetic category because it relies on near infrared spectroscopy. We have also found a paper that discusses acoustic feature identification in patients with pneumonia. We are meeting with Professor Moran today to discuss the concepts that we have made the most progress on.

**Work planned for next week**:

       For next Monday (10/13), we again plan to have completed drafts of all of the concepts. We should be able to finish our drafts in the next couple of days and then be able to compile our results into a draft of our second paper.

**Anything needed from client or TA or instructor to continue work**:

        We should not need any additional help to continue working until after we’ve compiled our research and drafts of all concepts.