**WEEKLY PROGRESS REPORT:**

**Date**: September 8th, 2014

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

**Group Number**: 17

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

**Current status of project**:

           We have received confirmation from Professor Moran and Professor Klaesner to proceed with our design process of a portable, low-cost pneumonia diagnostic device. As a group we met on September 3, 2014 with Professor Moran to discuss and define our project scope. Our scope was defined as follows: we aim to develop a noninvasive, portable, low-cost and high throughput pneumonia detection device capable of being used by a non-expert that will give immediate feedback on the probability the individual has pneumonia. It was also discussed that the project should be limited to adults in order to minimize the variability in symptoms which would arise in diagnosis of pneumonia in children, and increase the reliability and reproducibility of the diagnosis. The group members met on Sunday, September 7, 2014 to perform more research on the prevalence of pneumonia worldwide, especially in adults in developing countries. The results of this research, in combination with the project scope discussed with Professor Moran, were collectively formed into our official project scope during this meeting. The project scope was submitted Monday, September 8, 2014.

**Work planned for next week**:

           During this week, we plan to meet with Professor Moran to discuss the important requirements for our proposed project on Monday, September 08, 2014. From there we plan to start assigning quantitative goals to our project specifications. In addition, the team will begin the research process to determine the best method of diagnosing pneumonia in adults. This will in turn lead to brainstorming of ways to incorporate this method into our future diagnostic device.

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

    N/A