

Group number: 20

Project title: Smartphone based nano-device for human breath sensing

Client &/Advisor: Prof. Long Que

Team Members/Role: Jared Smiley-Team Leader, Zhaobo Huang-Webmaster, Mengzhou Sha-Communication Leader, Concept Holder-Xin Chen

- **Weekly Summary**

This week we developed plans to use evaporation in a petri dish with a hot plate to create a gas concentration in the air. We then met with our advisor and detailed our plans. Our PDMS arrived and we built our sensor in lab.

- **Past week accomplishments**

- Xin: meeting/lab work
- Mengzhou: meeting/lab work
- Zhaobo: meeting/lab work
- Jared: meeting/lab work

- **Pending issues**

- **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>
Xin	meeting/lab work	2
Mengzhou	meeting/lab work	2
Zhaobo	meeting/lab work	3
Jared	meeting/lab work	3

- **Plan for coming week**

- Do experiments in lab

- **summary of meeting with our professor**

Detailed experiment plans and he stated it sounded like a good idea. Recommended setting up time in lab to have grad student show us how to use spectrometer