# EE492 Senior Design II - Weekly Report 6

| Group Number: May1634 | Date: 2/18/16 - 2/25/16 |
|---|---|
| Project Name: Studying cell behaviors in 3D microtissues using a LabChip | |
| Advisor: Long Que | |
| Client: Long Que | |

## The team

| Role | Group Member |
|---|---|
| Group leader | Jonathan Yatckoske |
| Team Webmaster | Yaxiong Zhang |
| | Chun-Hao Lo |
| Team Communication Leader | Yuqian Hu |
| Team Key Concept Holder | Kaiyu Xu |

## Attendance (meeting date: Feb. 25th 2016)

| Jonathan Yatckoske | In person |
|---|---|
| Chun-Hao Lo | In person |
| Yaxiong Zhang | In person |
| Kaiyu Xu | In person |
| Yuqian Hu | In person |

## Accomplishments of past week

1. According to our advisor, we are going to have a new machine to work on cell movement tracking and might come up with a new approach for 3D tracking. We might want to hold on to our ideas for 3D plotting until we get the data from the lab.

2. The code we found online about blood cell tracking can actually perfect our code for 2D, for it can read information directly from a video file. Instead of doing a lot of screen-shots and then inputting them to Matlab, we are able to simplify our program in this way.

## Plan for coming week

1. Group meeting. Perfecting the 2D plotting code using video as input. Label every

graph we come up with.

2. Lab work. See if we can get any 3D data from the new device this week.

## Pending issues

3D data collecting.

## Individual contributions

| Jonathan Yatckoske | work on 3D plot coding; perfect 2D code |
| Chun-Hao Lo | website maintenance; work on coding |
| Yaxiong Zhang | website maintenance; help come up ideas for plotting |
| Kaiyu Xu | Take down meeting notes |
| Yuqian Hu | work on weekly report; work on methods for 3D plotting; find method to input video directly |

## Individual hourly contributions

| Name | Week Hours | Cumulative Hours |
|---|---|---|
| Jonathan Yatckoske | 3.5 | 48.5 |
| Chun-Hao Lo | 3 | 44.5 |
| Yaxiong Zhang | 2.5 | 45 |
| Kaiyu Xu | 1 | 28 |
| Yuqian Hu | 2.5 | 41.5 |