2013-09-04Meeting Memo

Time： 2013-09-04,Wednesday

Location： Room 571,Chemistry Building

Moderator： Stella Guo

Instructor: Xin Wu

Recorder： Kaiyuan Ni

Bo Shi and Tina Zhang is absent with leave

Work Report

Zhaopeng Cheng: SfGFP is nearly finished and now we ligates 21F and our completed parts.

Fan Wu：First about wiki. We can change or add texts and pictures on wiki directly. But if we want to change the pattern of wiki we should apply for a backstage to place our pattern sheet. We can apply to Google for a backstage for free but we need to use proxy . Sina is also support this survice but need a real-name authentication. It takes one whole day. If we put JAVA Script then we have to pay some fees to sustain the backstage. Luckily we use PHP for free. I consider we'd better us azure or some light tone as the dominant hue of our Wik.

After pattern of wiki is designed we can put texts and pictures on it. as documents about Team and Outreach is done we can finish these two parts on wiki. Redesigning will takes about 2 to 3 days, so we shouldn't waste our time and improve our efficiency.

We also think about gifts. What can we change with other teams? Folding fan or kerchief. What about the color：silvery？ golden？

Stella Guo: We still can't get expected results from microfluidic. So I want to E-mail Hasty to discuss we should do what characterization.

At present, we have these characterization: Gene, Protein and Microfluidic. From DNA gel we can't find any mistakes in our gene circuits. SDS-PAGE has some bands we can't explain. Microfluidic indicates our circuits can't work as expectation. So it is possible that our circuits has problems. Because the project completed by Wageningen University in 2011 is another kind of coupled oscillation and the bacteria used in the project is DH10B, so we can use DH10B also. We should change our bacteria from DH5α to MP165(the bacteria used in the literature) or DH10B. For all, there's possibility that we can't get expected results.

Xin Wu: We also need to find other characterization. 1.Use fluorescence microplate reader to measure and do a growth curve to test the variation tendency of light intensity. Because our fluorescence microplate reader is broken up and it can't arrive on time so we may come to Schhol of Life Sciences, Xiamen University at Xiang'an Campus to use their fluorescence microplate reader 2. Another method is use commercial AHL to induce the whole circuit to work.

We shouln't waste too much time on microfluidic, just hope some miracle happens.

3.We can do another experiments that respectively transforming each plasmid into E.coli and then put them together instead of transforming triple plasmids into one E.coli. AiiA won't come out of the body so we can fragment bacteria then put them into LB broth.

Suggestion: We can put everything we have to finish on the whiteboard. It can improve our efficiency.

Tips:Measurement of the growth curve： Use 1000ml erlenmeyer flask and 200ml LB, which can avoid the influence by change of volume.