2013-5-02 Meeting Memo

Time： 2013-05-02 Tuesday
Location： Gui Huashan Building
Moderator： Tina Zhang
Conventioneer： all team members from B and C Group
Recorder： Kaiyuan Ni& Stella Guo

A. Arrangement for use of Evernote

Tina Zhang：

Detail the usage of Evernote and manager of each notebook. Arrangement of managers corresponding to notebooks isn't fixed and it can be adjusted after Tina Zhang's approval. Everyone can leave own message in each notebook to make it easy to communicate with each other.What's more, We will add the notebook special for registration.

B. Arrangement for experimental training

Tina Zhang：

I've divided all of you into three groups for experimental training. Three groups will be trained indifferent time. It's considered everyone has different schedule and please choose a group ensuring you're available at each time for a certain program in order to learn all the experiments.

Location：Chemistry Building Room 580& Room571.

C、 Report from B Group

Idea1(Xiyu Wu)：Detection of doping. There're three kinds of dopes and we find two of them easy to detect, steroid and amphetamine. We can use C Group's gene circuit. So our work is focused on details in the circuits. We've found three promoters. Two promoter , Promoter CREB and Promoter CART ,can respond to concentration of amphetamine. Thereinto Promoter CREB doesn't have a good compatibility while Promoter CART is fine and we can get its sequence in a literature. The other is Promoter MMTV responding to steroid.

1. Analysis：The idea is good and we can do some good applications. If it can work, our method is cheap and easy. 2. Problem：Compared with the popular MS method, our method is inferior in accuracy (Maybe false positive)
3. Suggestion：We can design a gate circuit to detect different dopes.
So the best way is working with C Group.

Idea2(Bo Shi)：Cell staff. We can make E.coli light in different colors as we add different excitants in different orders and it can form staff to a certain sang !

1. Analysis：The idea isn't completed but it's interesting.
2. Problem：The circuit is like the circuit in our project last year perhaps. How to make cultured E.coli like staff and wave to the sing. There're so many problems.

Idea3(Dongxin Ma)：a new gene circuit, more details in B Group'smeeting memo

3. Analysis：The circuit is a little complex and some parts are still in the air.
4. Problem：Excitation factor is still uncertain.

How to build the circuit. The source of ATC.

D、 Report from C Group

1. Fan Wu：Works on sort out our biobricks is done.
2. Yuzhe Li：I’ve sort documents about oscillation in iGEM altogether 9 projects. More details in C Group’s documents.

Suggestion：from Xixi：We can find the paper focusing on coupling oscillation and put it into Evernote.