

## 2013.9.16 meeting memo

**Time:** 2013-09-16 Monday

**Location:** Room 571, Chemistry Building

**Moderator:** Tina Zhang

**Recorder:** Kaiyuan Ni

Mission list

Tina Zhang:

\*\*\*\*\*Experiment Arrangement\*\*\*\*\*

Everyone, works on backbone changing is done. So I think we can finish the construction experiments before 17<sup>th</sup> or 19<sup>th</sup>. So, firstly, about the rest of the experiments.

- A1. Using BL21(Wide Type) as host while BL21 and DH5a as control hosts.
- A2. Group with high copy number: 1C3-gfp, 1A3-gfp, 1C3-sfgfp  
[gfp & sfgfp is the control group against with gfp. Since the sequence of sfgfp still hangs in doubt, I don't consider the microfluidic experiments of sfgfp.  
[1A3 & 1C3 is the control about antibody.]
- A3. Group with high copy number: 3H-gfp, 3H-sfgfp
- A4. Group to explore the plasmid incompatibility problem: 3T5-aiiA, 4K5-ndh & 3T5-aiiA-ndh

According to the claims as above, the order of our microfluidic experiments is:

- B1. 1C3-gfp-aiiA-ndh / BL21(WT) --> If is null, the construction group should start A4. In other words using 3T5-aiiA-ndh to change.
- B2. 3H-gfp-aiiA / BL21(WT) --> If the period of oscillation dwindles then change to B3. If not, change to B4
- B3. 3H-gfp-aiiA-ndh / BL21 (WT)
- B4. 1A3-gfp-aiiA / BL21(WT)
- B5. 1A3-gfp-aiiA-ndh / BL21 (WT)

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In the meantime, experiments of confirming single plasmids (namely experiments about our biobricks to be registered):

C1. Conformation of 1C3-gfp:

Simple version: Streaking 21F+11H+12D and 11H+12D in DH5a on the same plate then take photos.

Complex version: We need to construct 21F+11H and add exogenous AHL to confirm.

Luckily we don't have to do it.

C2. Conformation of 3T5-aiiA:

Simple version: Adding exogenous AHL to find out difference on SDS-PAGE gel pictures.

Complex version: Additional exogenous AHL reacting with bacteria liquid (Refer to Wageningen\_UR)

### C3. Conformation of 4K5-ndh:

Simple version: Adding exogenous AHL to find out difference on SDS-PAGE gel pictures.

Complex version: Adding exogenous AHL and use catalase.

P.S. The data from microfluidic experiments will be added.

After that, we should get some SDS-PAGE additional data:

D1. BL21(WT) single, double and triple plasmids.

Experiments above-mentioned should be done by 25<sup>th</sup>. Personal arrangement is showing as follows.

Group A: Shengquan Zeng , Xi xi, Xiyu Wu and Zhaopeng Cheng.

【After working on construction Shengquan Zeng and Xiyu Wu should help Group B.

Zhaopeng Cheng should finish construction of 21F+11H. Xi xi continue bacteria conservation.

Group B: Stella Guo, Chun Tang, Yuzhe Li, Bo Shi and Xiyu Wu.

【From 17<sup>th</sup>, Shengquan Zeng should study with Stella Guo to learn pretreatment before taking photos. Then Chun Tang should in charge of taking pictures and data handling.

Group C&D: Mengna Tan, Kaiyuan Ni and Shengquan Zeng.

【Give me your experiment designing on 16<sup>th</sup> evening.】

\*\*\*\*\*Wiki rrangement\*\*\*\*\*

Task of Designing group:

Before freezing of wiki Fan Wu must work on uploading and debugging the wiki. After freezing he will perfect our PPT and other things such as calling card, brochure and mascot.

Stella Guo will finish the main contents of wiki. Yuzhe Li, Kaiyuan Ni, Zhaopeng Cheng and Xiyu Wu should finish your parts. Documents and pictures without experimental data should be put onto wiki before 25<sup>th</sup> and experimental data will be done after 25<sup>th</sup>.

\*\*\*\*\*Other Arrangement \*\*\*\*\*

About financial affairs

Bo Shi must make a report about our financial situation. Before that anyone who has advanced money for us should tell to Bo Shi.

About our route:

Chun Tang and Xi xi should discuss our route and consult with Xin Huangin XMU-Software. It's better to have the same route as XMU-Software. You two should report to me then prepare to book the tickets. Chun Tang should register another account to book the tickets and Bo Shi pay for them.

Visa appointment: In the charge of Xi xi.

Group visa appointment: Chun Tang should do it. If any question, you could consult Xin Huang. 17<sup>th</sup> is the deadline.

Mascot: Fan Wu, Xi xi and Mengna Tan has come up with the main materials. Fan Wu will finish all details and two girls please try your best to make our Fangfang. Please give us a surprise on 20<sup>th</sup>.

PPT: Stella Guo and those who will participate in giving the presentation, please start on discussing and make a draft. Give me a word version on the 20<sup>th</sup> evening. We will make a mock presentation and Ruosang Qiu and Xin Wu will be present to give a great many suggestions. Be mentally prepared.

\*\*\*\*\*Meeting Arrangement\*\*\*\*\*

Group Meeting on 22th.

Time: 20:00

Location: Indeterminate.

Contents: 1. Group A(Shengquan Zeng )

Group A(Stella Guo )

Group C and D(Mengna Tan )

Please give us a summary of experiment on September.

2. PPT rehearsal.