Date	Names	Location	Description
01/22/2018	-	Internet	Recruiting team members
25/02/2018	Every one	Lab	Get a introduction about lab safety
01/03/2018	Every one	Lab	The first time to have a brainstorming.
05/03/2018	Every student members and the professors	Conferenc e room	The first opening report. We chose our first project about Circadian rhythms synchronized.
09/03/2018	Li Xiangyu	Lab	Design the primer of PK2, PKR2 and the promoter of PK2, named PK2.8
11/03/2018	Li Xiangyu and Dong Yufan	Lab	Construct a vector which let PK2 be driven by PK2.8 with 6X His Tag.
15/03/2018	Li Xiangyu, Dong Yufan and Shi Qingxin	Lab	Use bioluminescence assay to record the luciferase of U2OS driven by the promoter of Bmal1, the key protein of circadian rhythms.
18/03/2018	Li Xiangyu, Dong Yufan and Shi Qingxin	Lab	The first pre-experiment failed.

19/03/2018	Li Xiangyu	Lab	Design the qPCR primer of PK2 and PKR2
21/03/2018	Li Xiangyu	Lab	Use Real-time Quantitative PCR Detecting System to test the amount of expression of PK2 and PKR2.
22/03/2018	Every team members	Conference room	The second time to have a brainstorming as to redesign the experiment to demonstrate the function of PK2.
25/03/2018	Every team members	Conference room	The third time to have a brainstorming.
27/03/2018	Every team members	Conference room	The first time to have a meet to verify the development of the team future.
03/04/2018	Li Xiangyu	Internet	Get in touch with NUDT_CHINA
27/04/2018	Li Xiangyu	Conference room	Organize the first time of meeting with NUDT_CHINA
09/06/2018	Li Xiangyu, Dong Yufan and Dr.Li	Conference room	The fourth time to have a meet to choose another project.
10/06/2018	Dong Yufan	Lab	Sign up the Interlab
12/06/2018	Shi Qingxin	Lab	Fill in safety form
16/06/2018	Every team	Conferenc	The Second opening report. Change

	members, Dr. Li, Dr. Zeng and Dr. Tan	e room	another project.
23/06/2018	Li Xiangyu	Lab	Prepare the DNA part and the experimental materials.
27/06/2018	Shi Qingxin	Lab	Organize the experimenter
08/07/2018	Xiang Zhaoyang, Lijiayi, LIu Jiamiao, Xiao Jiaqi	Lab	Do the interlab measurement
10/07/2018	Li xiangyu	lab	Design the primers of the tumor specific promoter, such as AFP, hTERT, ZEB1-AS1
12/07/2018	Li Xiangyu	Lab	Construct three vector of pGL4.22-AFP, pGL4.22-hTERT, pGL4.22-ZEB1-AS1 by Gibson assembly.
13/07/2018	Li Xiangyu	Lab	38 monoclones are all identified. Every monoclone is negative.
14/07/2018	Li Xiangyu	Lab	Re-design the primers of promoter. And we have got a vector which

			contains with the sequence of gal4 and VP16.
15/07/2018	Li Xiangyu	Lab	Design the primer of gal4 and VP16. We have got a vector which contains with the sequence of CMV promoter.
16/07/2018	Liu Jiamiao	Dormitory	Create a account of Tik Tok and Twitter.
17/07/2018	Li Xiangyu	Lab	Try to construct the vector of pGL4.22 another time.
18/07/2018	Li Xiangyu	Lab	Construct a vector which is used the GAL4-VP16 replace luciferase in pGL4.22.
19/07/2018	Li Xiangyu	Lab	36 monoclones are all identified. The vector of pGL4.22-hTERT has been construct.
20/07/2018	Li Xiangyu	Lab	56 monoclones are all identified. The vector of pGL4.22-GAL4-VP has been construct.
21/07/2018	Xiang Zhaoyang	Lab	Interlab measurement repeats.
30/07/2018	Xiang Zhaoyang	Lab	Interlab measurement completes

1/8/2018	Li Xiangyu	Lab	Get the vector contain with the sequence of TK. And design the primer
3/8/2018-10/9/2018	Li Xiangyu Li Jiayi and Yang ying	Lab	Complete the whole vector construction
11/9/2018-17/10/2018	Li Xiangyu Li Jiayi and Yang ying	Lab	Cultured HepG2,Huh7 and Lo2 cell lines.
13/9/2018-17/10/2018	Li Xiangyu Li Jiayi and Yang ying		Liposome transfection
15/9/2018-17/10/2018	Li Xiangyu Li Jiayi,Yang ying and Yu Shangcheng	Lab	Luciferase assay
22/09/2018	Every team member	Lu Nan youth street	CSU_CHINA “Working molecule” flash mob
04/10/2018-10/10/2018	Xiao Jiaqi	Lab	Construct a vector BBa_I13507

Lab meeting:

03/15/2018

- Make a presentation at the end of March: Prepare some successful finished projects and our own ideas.

- understanding the wiki: scoring standard

- In addition to yeast, nematodes, the rest, you need to report

- Division of labor: web page production, mathematical modeling, experiment

- April: Communication with the National University of Defense Technology: asking questions

- Experimental design (how to do it)

- Reading related papers (at least abstracts)

- noise: instability of gene expression

- Module: killer, sensor, switch

Lab meeting:

04/22/2018

Experiment group:

Last week: Learn the protocols

Learning qPCR workbook

Enter laboratory experiment

This week: Learn the protocol of week2

May 1 can leave the experiment center to do experiments

Modeling group:

Last week: Modeling methods in the literature

Discuss pre-experimental data processing

Learning modeling knowledge

Art Group:

Last week: Learning PS, Image Pro

Learn Python computer language

Contact the modeling group

Li Xiangyu:

1. Transfer the pk2 plasmid next week, see the assimilation status of the cells, and then develop the next work plan.

2. Take a look at the 2013 iGEM project at Sun Yat-Sen University. Consider the research idea of using that model to study erythroid development and find key molecules to distinguish whether differentiated cells are red blood cells.

3. Think about other topics to prepare for the topic.

4. The application of the topic of cell rhythm now:

Use cell rhythm to control stem cell differentiation; Southeast University makes gene chips, learn from chips to do drug screening