

# HZAU IGEM meeting record for the sixth time

6/22 pm7:00-pm9:00

**Attendants:** LeXiong, JianWan, WeiWu, Yunchuan Li,Shaowei Zhang,Ping Hong,JingChen,Liu Tian,Jian Yi,Linfeng Ding,Xianlin Zou,Tao Bai,Mian Yang,Chang Liu,Peijing Zhang

Abstract:

- 1、Initially contestants confirmed
- 2、 Explaining the steps of handling a passport
- 3、 Giving suggestions about the seminar with WHU and HUST.  
Preparing for Doctor Zhang's visit AC.
- 4、 Discussion of the background environment of Flea forestomach and some critical experiments.

(1)Conditions for sucessful experiment:

①Biofilm formation    ②Expressing antimicrobial peptides to kill Yersinia pestis    ③

Engineering bacteria can survive in the Flea forestomach

(2)Details

Biofilm formation----biofilm is not stable and easily influenced by the environment. So we use mathematical modeling to suppose this process.

Using oxygen sensitivity of biofilm

Using biofilm to transfer plasmid

Judging whether E.coli can survive in the forestomach

Supplementary: test via fleas which in dogs

5. Specific every group

Experiment, Mathematical modeling, Human practice, web-page  
group, Bioethics