

ZHANG, Weiping

Tel: 15986588728

Email: my_elliott@stu.xjtu.edu.cn

Website: myelliott.cn

Education Background

Xi'an Jiaotong University (XJTU), Xi'an, China

Sept. 2019-Current

- **Major:** Chemical Biology
- **GPA:** 3.88/4.3 (90.84/100)

National University of Singapore (NUS), Singapore, visiting program

Jan. 2021-May 2021

- **Duration:** One semester
- **GPA:** 4.75/5 (1A+/2A/1B+)



Research Projects

2021 International Genetically Engineered Machine Competition (IGEM)

Supervisor: Dr. Tan, Dan

Description website: <https://2021.igem.org/Team:XJTU-China>

Project: Tryptophan iDream

May 2021-Nov.2021

- To construct a strain of *E.coli* that yields more tryptophan than the wild type
- Tried to switch the growing stages of *E.coli* between “proliferation” and “production” using a gene circuit called “toggle switch”

Undergraduate Research Opportunities Programme in Science (UROPS), National University of Singapore

Supervisor: Dr. Gan, Lu

Project: RPB1 depletion in *Saccharomyces cerevisiae* via the Anchor-away Technique

Jan. 2021-May.2021

- To shut down the transcription of yeast *S. cerevisiae* by depletion of RNA polymerase II (Pol II)
- Used the Anchor-away technique to deplete nuclear Pol II

2020 International Genetically Engineered Machine Competition (IGEM)

Supervisor: Dr. Lu, Xiaoyun

Description website: <https://2020.igem.org/Team:XJTU-China>

Project: Soil Modification Based on the Synthesis of Extracellular Polysaccharide from *Bacillus Subtilis*

May.2020-Nov. 2020

- To overexpress the key genes that encode enzymes involved in synthesis and secretion of extracellular polysaccharide.
- Constructed a suicide gene circuit that kills the host under sugar-rich environment

Skills & Interests

- ✓ Basic data processing, analysis and visualization via R
- ✓ Static webpages construction using HTML/CSS/JavaScript. For work pieces, see: [Team:XJTU-China - 2021.igem.org](http://Team:XJTU-China-2021.igem.org) & myelliott.cn
- ✓ Keeping journals weekly in English. See: myelliott.cn/weekly_highlight
- ✓ **CET-6: 642** (L: 248, R: 236, W: 158); **CET-4: 630** (L: 227, R: 211, W: 192)

ZHANG, Weiping

Tel: 15986588728

Email: my_elliot@stu.xjtu.edu.cn

Website: myelliot.cn

Main Awards

- ✓ Silver Medal in International Genetically Engineered Machine Competition (iGEM), win as student leader, 2021
- ✓ Gold Medal in iGEM, win as student member, 2020
- ✓ First class scholarship of Xi'an Jiaotong University, 2020
- ✓ Outstanding Student of Xi'an Jiaotong University, 2020

Social Activities

- ✓ Taking part in volunteer activities for over 50 hours.
- ✓ Participating in Campus Ambassador activity to connect XJTU and my high school Alma Mater.