## Introduction：This year we divide the team into 4 groups： Wet lab group，Wiki group，Modeling group and English group. Since we are from a non-native English speaking country, we arrange some students to be in charge of translation and presentation in English. In this team, each student works hard to complete the tasks. Thank you to every student and instructor!

Attribution：

Wet lab group

There are 6 members in wet lab group. They are responsibile for different parts designed in advance.

Instructor：Liang Ma、Zi Liu、Guozheng Huang、Xia Xu

Construction of recombinant plasmid pET28a-his-linker-ISZ-sTRAIL

Yulin Peng、Chengyu Zhang、Binbin Wu，

They obtained the target gene by PCR with designed primers, on the basis of plasmid (pET28a-his-linker-her2-linker-ISZ-sTRAIL) sent by the company, and ligated the target gene with pET-28a in vacuo to obtain the recombinant plasmid.

Protein purification：

Xiangshan Cai、Yi He、Yulin Peng、Chengyu Zhang、Binbin Wu, they purified the proteins expressed by her2-ISZ-sTRAIL and his-sTRAIL, which was sent by the company and proteins expressed by the ISZ-sTRAIL ,which we constructed.

Cell experiments：Xiangshan Cai

Document editing：

Yulin Peng、Chengyu Zhang、Binbin Wu

Contact：

Xuechun Xie, Yi He, They are responsible for contacting with the groups of students and the University of Science and Technology of China（USTC）.

### Video:

Haibin Xia(shoot)、Xuechun Xie（dub）、Yulin Peng、Chengyu Zhang、Binbin Wu、Xiangshan Cai、

Yi He

Wiki group

There are 3 members in wiki group, who work togerther to complete the design and production of the web page.

Instructor：Hao Xu、Tao Tao  
Web Developer：Haozhe Li、Xinyu Hu  
Web Designer：Yixin Yang、Xinyu Hu  
Illustration Drawing：Yixin Yang

Modeling group

There are 2 members in modeling group, who are responsible for processing experimental datas.

Instructor：Hao Xu

They fitted the experimental data and constructed a plasmid-cancer cell model with diffusion effects to study：Yuqian Chen、Xiangshan Cai

English group

There are 3 members in English team who are responsible for translation and proofreading of documents, presentation, and supports for all language services.

Instructor：Ruilan Cao

Document translation and presentation：Enran Chen Bichun Hu Huiru Guan

Human practice

There are 3 members in HP group, who are responsible for all HP content as well as team communication and organization.

Instructor：Hao Xu

Social practice，monthly meeting，team flag design，interviews with enterprises and professors：Xiangxian Tong、Tao Yu

Write HP materials and coordinate with other team memebers：Fengyue Sun

Sponsor：



Acknowledgements：

Our team consists of 14 mentors in total, including Xiangrong Xu, Hao Xu, Liang Ma, Zi Liu, Ruilan Cao, Haiyan Wang, Guozheng Huang, Xia Xu, Tingxuan Yan, she huili, Tao Tao, Bailu Fei, Shanshan Xu, Huiling JI, etc.

Each of our instructors offered us many ideas and professional guidance for our project, while they also offered us labs and materials.Our PI is Xiangong Xu and our secondary PI is Hao Xu & Liang Ma. Professors Xiangrong Xu and Hao Xu offered us some HP content and advice.

Liang Ma and Zi Liu were mainly responsible for the guidance of wet lab, and we mainly conducted experiments in Dr. Liang Ma's lab. We also utilized some equipment from the BERC-AHUT Biochemistry Center by Professors Guozheng Huang and Xia Xu.

Professor Ruilan Cao gave us some advice on English translation and presentation.

Dr. Hao Xu guided us in programming, mathematical modeling and dry lab.