

【Campus Asia Report】 Yu Hanyang

Home university : Tsinghua University

Period of your stay : July 2018 – August 2018

Name of the host department : Department of Pathology

1. Program description

As a member of Prof. Chang's lab, I enjoyed a project called "The molecular mechanism of CREPT (a novel oncogene) in the instigation of normal cells into tumors by cancer-derived exosomes." To have a deep understanding of this pathway, we went to collect all-round information and evidence to map this story. Therefore, I was sent to Prof. Morii's lab to stain CREPT on different tumors to complete our project and also to learn advanced techniques in pathology.

2. Learning outcomes

It is definitely a golden opportunity for me to participate in this exchange program. Through this one-month study in Japan, I not only finish the assignment of our project, but also learn a lot of advanced techniques and acquire massive knowledge of pathology, which is really important and helpful to my future study.

Through this one-month study in Japan, I have stained 204 cases of 11 different kinds of issue, including colon cancer, breast cancer, lung cancer, uterine cervical cancer and so on. I have stained more than 250 slides and carefully recorded the information of every slide and taken photos for them. I have also prepared near 200 unstained slides to take back to China to finish my future research. Through this one-month's trying and learning, I have acquired sophisticated ability of performing immunohistochemistry and is well aware of how to change different conditions to get the best result. Also I have tried advanced technique like doublestaining which really broaden my horizons.

Also during my work, I have encountered a lot of problems for sure. When I became confused, I went to ask Dr. Tahara, the teacher who is in charge of me. And he will explain the slide for me, teach me a lot of knowledge and discuss with me why some patterns might occur in this way. By talking with him, I learned a lot in pathology and had a deeper understanding into this subject.

3. Experiences in the country you studied

This is the first time for me to stay abroad alone for academic purpose. It is really

challenging for me, not only in academic field, but also in language issues and living in a different country by myself. Through this one-month study, I have improved my Japanese by taking every chance to practice talking and try to communicate. Although I have not systematically learned Japanese and am still poor Japanese speaker, I can still convey my thoughts through a little bit English and gesture. Also, living alone means being responsible for myself. So I made plans everyday not only for academic research but also every aspect in my life. I also walk from Osaka University to Senri-Chuo almost every day after work to keep myself healthy. It is really a great chance to improve myself in all dimensions.

4. Influence on future career goals or choices

I am determined to become a clinical doctor as my lifetime career. This learning opportunity in Japan no doubt strengthen my faith in this. One of my medical teacher in Tsinghua University always teaches us that, "Pathology is the golden rules for diagnosis." In this month, I had new insights into the subject of pathology and for the first time understood the real charm of pathology. Also, working in the Department of medicine of Osaka University gives me chance to go to the hospital to observe. In this month, I have experienced completely two kinds of hospital culture between Japan and China, which helps me think more and more thoroughly about future career planning. So, it is a really precious opportunity for me!

5. Comments

The program is really supportive and helpful. It helps students, like me, have access to an open world, observe a different society and experience different culture. Really thankful for offering me this golden opportunity!