

終了報告書

(報告年月日：2015年1月13日)

留学プログラム名	大学の世界展開力強化事業 タイプ B：TiROP
所属（本学）	理工学研究科 有機高分子物質専攻 M2
氏名	Huang Tao
留学先国	USA
留学先大学	マサチューセッツ工科大学（MIT）
留学期間	2014年9月16日～2015年1月8日

① 留学先大学の概略

The Massachusetts Institute of Technology (MIT) is a private research university in Cambridge, Massachusetts. Founded in 1861 in response to the increasing industrialization of the United States, MIT adopted a European polytechnic university model and stressed laboratory instruction in applied science and engineering. After over 150 years' development, it becomes one of the top universities in the world. As of 2014, 81 Nobel laureates, 52 National Medal of Science recipients, 45 Rhodes Scholars, 38 MacArthur Fellows, and 2 Fields Medalists have been affiliated with MIT. MIT has a strong entrepreneurial culture and the aggregated revenues of companies founded by MIT alumni would rank as the eleventh-largest economy in the world.

② 留学前の準備

I have been always planning to study in USA during the master course. When I found the TiROP, I have read all the information carefully and started to prepare all the documents two months before the deadline. As I have taken the TOEFL before, the language is not the big problem, while I think the challenges are finding the host lab and scholarship to sponsor living expense abroad. As for finding the host lab, the convenient way is asking advisor for help. If your advisor has some connections, it will be much simple. Other thing is to find the scholarship, which is a requirement for visiting student. Before you go to the host lab, you need to discuss with the host advisor about the research you will do, then make a plan. For the visa, every nation's embassy website has the detailed guidance to teach you how to apply. It is better to ask the group member from host lab or friends at that university to offer you some information of housing. Of course it is also very simple to find the house online.

③ 留学中の勉学・研究

I have not taken any classes at MIT, while I just did my research. Even though I think the research life is similar all over the world, I still feel some different parts at MIT. At first, the researchers are free and encouraged to think differently. Secondly, there are more communication and cooperation between labs and labs, which I think can take advantage of different knowledge and strength to inspire new ideas. Finally, their work efficiency is very high, so they have time to enjoy the daily life besides the research life.

④ 留学中に行った勉学・研究以外の活動

During the study at MIT, I visited Brown University and Yale University, whose campus atmosphere is totally different from MIT. The campuses are really beautiful and so different from others. Moreover, I went to the MIT campus career fair. A lot of world renowned companies and government department recruited MIT students, showing how attractive the MIT students are. Besides that, the sports center at MIT is my favorite place, which is very convenient and big. MIT students pay much attention on sports. Every time I go to the sports center, there are always many students enjoy sports. I think the motivation of the big sports center is to release students' pressure. At weekends, I usually played basketball with friends, as well as making new friends, which is a very good social way.

⑤ 留学を終えて、自分自身の成長を実感したエピソード

MIT is my dream, which I haven't thought it would come true one day. Firstly, I feel so happy and horned that I can study at MIT. The experience makes me know more clearly one point that you will be luckier when you work harder and smarter. In my case, I contacted the host labs by myself, which is a really frustrating experience. Before I got the acceptance from MIT, I have been turned down at least by ten labs. However, I did not give up the hope. During that period of time, there was a faith in my mind: I cannot give up trying, if I did, I will never succeed. So in my following study

and research life, I will also not give up. Secondly, the research life is similar, even at MIT, so we do not need to complaint about the place you stay. Moreover, I think more communication and cooperation is very necessary in my study at Tokyo Tech, which helps me gain more knowledge and ideas as well as do research more efficiently. At last, the life living in US is also very different from Japan and China. The culture, living habit, society system are different, which enriches my life experience.

⑥ 留学費用

The TiROP provides me the flight tickets. My scholarship at Tokyo Tech and advisor's financial support cover the living expense and insurance at MIT

⑦ 留学先での住居

I got the housing information from a group member at host lab, then contacted the landlord directly by email.

⑧ 留学先での語学状況

My English ability is fine to study and live in USA, so I have not suffered from language problem. Usually I speak English with group members and use Chinese with Chinese friends. As there are no Japanese members in our group, I did not use Japanese while I was in USA.

⑨ 単位認定、在学期間

I did not take classes at MIT and just did my research there, moreover, I did not extend my master course at Tokyo Tech.

⑩ 就職活動

Finish the master course and continue the doctor course at Tokyo Tech.

⑪ 留学先で困ったこと（もしあれば）

Lonely, which we all need to face when studying at a new place.

⑫ 留学を希望する後輩へアドバイス

It is very worthy to study at a new place. Be brave and be confident.

MIT





Harvard University



