

Findings through JUACEP in UCLA

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Participated program: Medium course 2021-2022

Research theme: Bio-sample droplet evaporation with LASER irradiation to induce salt precipitation aside and improve SERS throughput

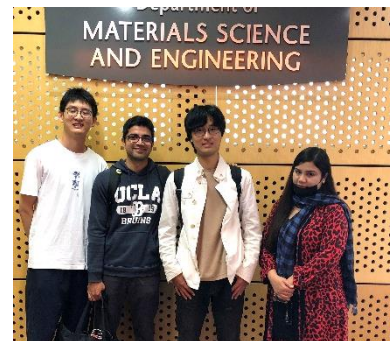
Advisor at the visiting university: Prof. Ya-Hong Xie

Affiliation at visiting university (Dept & Univ): Department of Materials Science and Engineering, University of California, Los Angeles



I have lots of precious experience through JUACEP. I would like to write about what I found and feel in the laboratory and outside of the laboratory.

Regarding the laboratory, I have two topics to write. First thing is about the career. Our research group have 5 PhD students and they are 26-30 years old students. Some of them already got married and have children. They are so motivated to research and publish the papers so that they graduate earlier and finally get a job in the U.S. They sometimes wondered why most of Japanese graduate students in engineering don't try doctor course and look for jobs in Japan without thinking about being global works. I realized the big difference of career from Japan and the U.S. The second thing is how hard I research. Our lab do Raman measurements for biological samples while I belong to tribology (whose domain is functional surface, friction, surface coating or something like that) lab in Nagoya university. Therefore, I firstly struggled to plan my own research and catch up the discussion held every week. Through hard working and communication with group members, I managed to finish my research with group members help. I believe that this process made me grow up and confident myself. Researching was not easy at all, but I liked that time and it had motivated me to be a global worker in the future.



Regarding the life in LA, I would like to introduce people in LA and the exciting places. People are so friendly to me. We can enjoy talking with them and notice the difference of cultures in the conversations. Besides, people in LA are also so kind. They are not limited only roommates, but also everyone such as clerk, even someone I met first time. They sometimes voluntarily helped me when I looked in trouble like losing way or bike malfunction. I really like their communication culture. On the other hand, LA has also a bad aspect. LA is known as less safe city. I had my bike stolen and faced some scary situation in public transportation. My friend who is native in LA often tell me that we shouldn't use transportation.

Talking about having an exciting time, I made many good friends there. The applicant to JUACEP this year was only me. That's why, it was opportunity to make friends there and improve my English as a result. Additionally, LA has many entertaining places and great national parks. I especially highly recommend going to the baseball stadium, beautiful parks with friends!



I really appreciate everyone supported me to research in UCLA. Thanks to this program, I have a whole bunch of wonderful memories. I think I got flexibility, toughness, and additional perspective. Therefore, I'm sure that my experiences in LA will help me to study in Nagoya university and work in the company in the future.