

海外出張報告書

2013 年 3 月 8 日提出

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学年	D1
出張先	UC-Davis, California University and Washington State University, USA
出張期間	17 th to 24 th February 2013
目的	One Health concept: Exchange of ideas with USA institutes

活動内容

In this trip, me and my supervisor as well as 3 of my colleagues had gain a great knowledge about the One Health Concept from two different USA leading institutes. I found this trip extremely beneficial to me, not only because I could participate in valuable discussions with the academic staff there, but also because they taught me new ways of thinking and different ways to look into the global health issues and finding suitable solutions for them.

Our first meeting at UC Davis, One Health Institute was with Dr Jonna Mazet, executive director & Dr Kirsten Gilardi and Dr Tracey Goldstein. During this meeting, I really realized that UC Davis One Health Institute is on a rapid trajectory to become one of the world's most renowned organizations of its kind.



UC Davis, One Health Institute: Achievements

Among their recent achievements was the Life-saving care of mountain Gorillas in Rwanda, Uganda and Democratic Republic of the Congo. This program has helped the mountain Gorilla to be the only great Ape species whose numbers in the wild are increasing.

They are a leading partner in the assessment of factors reducing survival in endangered California condors especially because of lead poisoning. This program specifically taught me the real teamwork, as it contains more than 9 partners working on it at the same time.

This institute has done an important role in discovering pathogens at the human-wildlife-domestic animal interface around the world on both land and ocean. Moreover, they assess and respond to global health problems arising at the human-water-food interface with practical and sustainable solutions.

After the meeting, my supervisor, Professor Toshio Tsubota gave a presentation about the Asian bear conservation and both the academic staff and students were highly interested in this project.



We also met Dr Pat Conrad, Dr Lisa A. Shender, Dr Kirsten Gilardi and Dr Tracy Goldstein. We explained to them our One Health Program and specially our internships. In addition, they were interested in it so much and they needed more details about the requirements needed to be accomplished from the students during this internship.



The last meeting we had was with Dr Lisa A. Tell, Director School of Veterinary Medicine International Programs. This meeting was very important to us to know the official steps to allow our students to study their internships at UC Davis One Health Institute.





Finally, we visited the veterinary medical teaching hospital in which we were guided by a student to show us how the work is done at this facility. The hospital itself is huge, clean and extremely well equipped. For me, it was my first time to see an animal hospital like this one.

At Washington State University, we visited the College of Veterinary Medicine and we had 3 meetings there. Our first meeting was with Dr. Gretchen E. Kaufman. She was very interested in the learning objectives of our leading program. She explained to us their One Health program, which is mainly divided into 3 categories, the Department of Veterinary Medicine, Department of Microbiology & Pathology and the School of molecular biology. They mainly focus on developing countries' diseases such as Tuberculosis, Anaplasmosis, E coli & Salmonellosis, Brucellosis, FMD and Rabies. She mentioned that they have a geographic focus to increase the One Health prospective so they are doing research in Kenya, Ghana, Uganda, and Malawi. They are also working on vaccine development (ex. Dr Guy Pallmar). The thing that was interesting to me that they have a short-term training system for the students in Africa. At the end of the meeting, she promised us to discuss our program with Dr Guy H. Palmer, Director, Paul G. Allen School for Global Animal Health, to provide places for the students from our school to fulfill their internships.



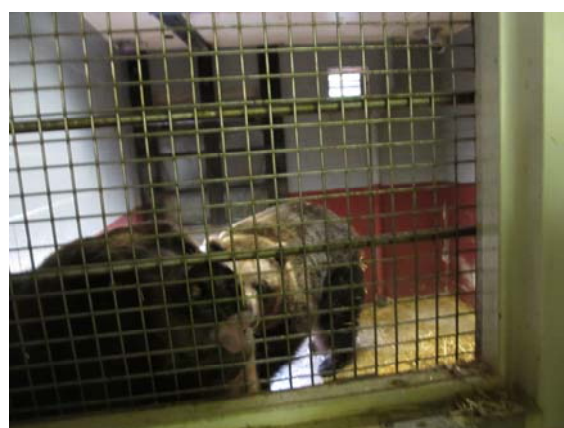
Our next meeting was with Dr. Mushtaq Memon was very useful for us all. He thinks that the term “Zoonosis control” is narrow and we should select another wider term to describe our One Health Program. Dr Memon suggested Skype

conversations between different leading laboratories around the world. And the most important thing he advised us to do was the preplanning of what exactly the students will do when they travel for an internship.

Finally, we had a meeting with Dr. Charles Robbins, Dr. Lynne Nelson and Dr. Heiko Jansen. In this meeting, I obtained knowledge about how to exchange experiences between laboratories as Dr Tsubota, and the three professors were doing similar researches, and they exchanged their recent publications and scientific trends in Bear ecology.



Then we visited the Bear Research, Education and Conservation Center at WSU. This facility is excellent for doing bear research. It can hold 12 bears per once and all bears are under 24/7 surveillance. In addition, there is a suitable place for hibernation.



Messages from USA to make our One Health Program successful:

First: The internship program should be explained more and the expectations, requirements and the achievements should be planned before travelling.

Second: The number of academic and practical hours required to be completed by

the students during the internships should be identified.

Third: Is there a possibility for exchanging students between different laboratories under the term internships? If not is there any other gain for the US laboratories?

Forth: Is it acceptable to our school that the students who are involved in the internship programs at USA to do field work? For example travelling to Africa.

Washington State and California Wildlife:

