

(Abroad Domestic) Internship report form (Student)

2020/09/17

Name	Jussiaea Valente BARIUAN
Laboratory	Biochemistry
Year (Grade)	DC4
Internship institution	OIE Regional Representation for Asia and the Pacific Expert Group Meeting for the Control of Avian Influenza in Asia
Internship period	Internship period: 10/02/2017 - 10/05/2017 AND 12/18/2017 - 12/19/2017
Purpose	Intern for OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia and the Pacific

The reason why I chose this institute

- I did this internship activity 2017. However, I was also approved for an overseas internship in University of California San Diego in April- May 2020. This was cancelled due to the COVID-19 pandemic. Unfortunately, since we do not know when this pandemic will be resolved, I humbly ask you to consider this 2017 activity as an accomplished Overseas Internship subject, and bequeath me with the units. This will greatly help me in graduating as soon as possible, since the pandemic and certain personal issues have arisen and delayed my research considerably. If you considerately approve this application, it would allow me to focus on research and writing of another journal article for submission, and eventually, writing of my dissertation.
- The Philippines had a well-publicized Avian Influenza outbreak in 2017 (recent during that time). I wanted to contribute to my country by helping in the prevention of the spread and avoidance of future incidences as such.
- I wanted to forge networks with the Bureau of Animal Industry of the Philippines, which I was able to do successfully.
- I wanted to be exposed to the ways in which international organizations coordinate countries with regard to such issues (disease outbreaks and chemical hazards).

Result of the activity

- Please see the following attached pages.

OIE Report



氏名： Jussiaea Valente BARIUAN 大学名： Hokkaido University 学年(DC1)

受入機関名： World Organization for Animal Health (OIE) Regional Representation for Asia and the Pacific

第 日目	2017 年 10 月 2 - 5 日 (M to Th) and 2017 年 12 月 18 - 19 日 (M to T)
実習部門 (実習場所)	OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia (Oct 2-5) OIE Regional Representation for Asia and the Pacific (Dec 18-19)
実習指導者の 役職・氏名	Dr. Hirofumi Kugita, Dr. Pasang Tshering, Dr. Yoshihiro Sakoda
実習の テーマ・課題	A report in English up to 1,000 words consisting of 1. Lessons learnt from organizing an international meeting; 2. Your own thought about a topic of the sessions, referring to the views presented by international participants; 3. Your own thought about a way to enhance regional coordination on control of animal diseases.

実習概要 (実習した業務、手順、内容など)

2 October 2017		
13:00	Overview of the Internship and Roles of the Interns during the Meeting	
13:30	Roles and Responsibilities of the OIE	
14:30	<i>Logistic support for the preparation of meeting</i>	
3 October 2017		
8:00-17:30 Hokkaido University OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia: Day1		
18:00	<i>Welcome Reception</i>	
4 October 2017		
8:30-17:30 Hokkaido University OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia: Day2		
5 October 2017		
8:30-12:00 Hokkaido University OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia: Day3		
12:00	<i>Cleaning up after the meeting</i>	
18 December 2017		
10:00	WTO/SPS Agreement and OIE Codes	N. Ojima
12:00	<i>Lunch</i>	
13:30	OIE Disease Reporting System and Information Dissemination Procedure	N. Ojima
14:30	The Situation of Transboundary Animal Diseases and OIE's Regional Activities for their Control	C. Holley
15:30	Animal Welfare Activities of the OIE	C. Holley
19 December 2017		
10:00	One Health Approach in the Region	P. Tshering
11:00	Control of Antimicrobial Resistance	M. Urabe
12:00	<i>Lunch</i>	
13:30	Wrap-up of the internship	
14:00	<i>End of the Internship</i>	

特記事項（学んだこと、反省点、明日の予定など）

Lessons learned from organizing an international meeting.

The three-day OIE Regional Expert Group Meeting for the Control of Avian Influenza (AI) in Asia (OIE-REGM-CAIA) was concise but organized to accommodate all the issues needed to be discussed and information to be disseminated. The key things that I learned were concerning the (1) organizing committee, (2) coordinating offices and participants, (3) detailed logistics.

First, the organizing committee should include: (1) an expert on avian influenza, (2) a field-expert on the control of AI spread, (3) an expert on the surveillance in areas where AI has been or has not been reported, (4) a laboratory expert on AI diagnosis (preferably from a reference laboratory), (5) a representative from partner organizations (e.g. FAO), (6) a training/ seminar specialist, (7) a secretary, and (8) an overall assistant.

The meeting itself, while followed a very strict schedule, lacked in discussion direction, in my opinion. I believe this can be remedied by a quick but meaningful consultation with the experts on what very specific topic should be discussed. It would also be helpful if the presentations highlight the issues that need attention. The experts, aside from presenting at the meeting itself, should be present the issues that need to be discussed in a summarized form (and give importance to the areas which are under debate). I believe that participants should also be given at least a semi-detailed outline of topics to be discussed that they should review before the meeting. This may ease the amount of information presented during the 3 days.

Also, a training/ seminar specialist would be able to collect the information from the organizing committee experts, generate objectives and direct the discussion portion towards the desired outcome (best way to control AI in the region). He/ she can serve as a co-moderator during the Q&A portion so that the discussion will be well-regulated.

For the coordinating offices and participants, there were a couple of things that could have been handled better. For example, some participant countries did not follow the poster requirements. More detailed instructions and assistance in printing or even creating the poster should be given to these participants. The two-minute presentation for each member country was a good idea, but should be lengthened to 8 minutes. Further editing and meticulous instructions should be sent a month prior to the meeting. Additional reminders a week before and on the day itself of the time-limit and the objective/s of the presentation should be given to the people presenting.

Participants that will also lecture on a specific topic should be given a slide limit and a format of the slides. Again, the objective of the lecture should be clear to them.

As for the detailed logistics, it would be better if the participants were given transport as a group, to and from the hotel and to the reception hall. Aside from this, the venues, food and other small details were handled very well.

Thoughts about the topic of the sessions.

The topics of the sessions were well-thought of and properly arranged accordingly. The speakers were also chosen appropriately. However, the scope of their talk was sometimes very wide and the time was limited. The discussion time was also very limited and did not flow freely. I would suggest that the moderators of the Q&A or panel discussion portions should be briefed about the contents of the speakers' talks and the points of discussion that should be covered.

I understand that there would not be enough time for each participant to ask a question during the meeting itself. I suggest that aside from being given a semi-to detailed outline of each lecture of the speakers, they should also submit 1 question for each lecture. The organizers will then sort through the questions and determine which would be asked during the question portion when there are no participants willing to stand up and ask a question.

As a student, I enjoyed all the lectures. Most of all, I think the group discussions were very

interesting. Everyone in the group was given a chance to describe the situation in their countries and answer the assigned topic in accordance to the needs of their country. I think this type of “brainstorming” should be done more often and with different combinations of countries. These discussions allow for networking and more personal communications, thus making the ideas stick with the participants.

My thoughts on how to enhance regional coordination on control of animal diseases

Throughout the entire internship, 4 things about OIE remain with me--- I call them the 4S. My suggestions for the enhancement of each of these are represented by 4R’s.

Standards. OIE, with the help of their experts and the leaders of the member countries, create a set of standards by which individual countries can modify their national action plans in controlling or eliminating animal diseases. However, these standards are serve as suggestions, and are not enforced. The only means by which the put pressure on countries to be routinely done is through the direct influence of the country’s animal disease status with their importation viability. So, to remedy this, maybe OIE and other international organizations should try

Positive Reinforcement. International organizations should increase support to member countries that show increase in surveillance in target diseases, more active measures to control or eliminate certain diseases or even submitting annual animal disease reports. An increase in the percentage of getting ‘funding’ for small projects may be one of these incentives.

Systematic. Coordinating several countries is no small feat. The success of OIE is due to its systematized ‘attack’ on the target diseases. Each step is reviewed by the member countries and experts for several times before a decision or a particular change in the standards is changed. However, as Professor Sakoda mentioned at the end of the internship, sometimes the system becomes a little bureaucratic. Therefore, in order to lessen the likelihood of being bureaucratic, it would be nice to

Reduce the number of people that each decision should go through. Experts from member countries can now have conference calls online. Being experts in their own countries, I think they have enough say in whether or not the change or the decision should be carried out or not.

Science-based. Most standards endorsed by the OIE are based from scientifically proven data. Surveillance, diagnosis, control and elimination of diseases are done through using well-researched methods that have been found to be effective by science experts around the world. However, not all OIE-member countries have access to the machines or knowledge to carry out these procedures. This is why it is important to

Re-tool the member countries. I understand that it is easily said than done. It all boils down to having funding to be able to support re-tooling of their diagnostic laboratories. A one-on-one talk or propaganda targeting their governments’ budget committee may be a good way to bring about this re-tooling.

Strength in numbers. While OIE has 181 member countries already there are 195 countries in the world. 14 more countries are needed to show their support in controlling animal disease. Also, as mentioned by most of the OIE regional officers, the organization is smaller compared to FAO or WHO. These reasons are enough to suggest more efforts in

Recruitment. Holding seminars and workshops or having more interns are go ways to spread the information on what OIE is about. Spread the passion to control animal disease.

VPcamp 日誌



氏名 : Jussiaea Valente BARIUAN 大学名 : Hokkaido University 学年(DC1)

受入機関名 : World Organization for Animal Health (OIE) Regional Representation for Asia and the Pacific

第 日目	2017 年 10 月 02 日 (Mon) 13 : 00 ~ 16 : 30
実習部門 (実習場所)	OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia at Hokkaido University
実習指導者の 役職・氏名	Dr. Hirofumi Kugita, Dr. Pasang Tshering, Dr. Yoshihiro Sakoda
実習の テーマ・課題	Overview of the Internship and Roles of the Interns during the Meeting, Roles and Responsibilities of the OIE, <i>Logistic support for the preparation of meeting</i>

実習概要 (実習した業務、手順、内容など)

We packed the materials into plastic envelopes, to be distributed to the participants for the next day. We also printed some posters that were sent by some participant countries and pinned the posters on the panels. We were briefed on what to do for the next 3 days. I was assigned to take notes during the lectures. Finally, we got a lecture from Dr. Hirofumi Kugita about the History and Roles and Responsibilities of the OIE.

特記事項 (学んだこと、反省点、明日の予定など)

I learned that it took a lot of time to actually organize an international regional meeting. There were a lot of countries and offices that needed to be contacted and people to coordinate. There were also many tasks needed to be done on the days of the regional meeting and the OIE team were smart to ask for interns. I was honored to be part of such an event that can help control the spread Avian Influenza in Asia and the Pacific.

The lecture was very helpful in understanding what the OIE was about. It gave us, the interns, a simple understanding of what the OIE wants to accomplish as an international organization and how this one meeting can help achieve that goal. It also gave us understanding of what we should expect from the participating countries and a somewhat sense of how the meetings would go

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氏名 : Jussiaea Valente BARIUAN 大学名 : Hokkaido University 学年(DC1)

受入機関名 : World Organization for Animal Health (OIE) Regional Representation for Asia and the Pacific

第 日目	2017 年 10 月 03 日 (Tue) 8 : 00 ~ 19 : 30
実習部門 (実習場所)	OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia at Hokkaido University
実習指導者の 役職・氏名	Dr. Hirofumi Kugita, Dr. Pasang Tshering, Dr. Yoshihiro Sakoda
実習の テーマ・課題	OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia: Day1 <i>Welcome Reception</i>

実習概要 (実習した業務、手順、内容など)

	Technical session I: Situational analysis and updates	Chair: Prof Hiroshi Kida
09:30 – 09:50	Global and regional situation of avian influenza	Dr Gounalan Pavade, OIE HQ
09:50 – 10:10	Recent surveillance of influenza in animals and joint risk assessments	Filip Claes, ECTAD FAORAP
10:10-10:30	Global and regional situation of zoonotic influenza in humans	Dr Takato Odagiri, NIID, MHLW, Japan
10:30 – 10:45	Q&A time for session	Speakers in session
10:45 – 11:15	<i>Tea/coffee break</i>	
11:15 – 11:35	OIE Standards on the surveillance for avian influenza viruses	Dr G Pavade
11:35 – 11:55	Surveillance of avian influenza in Siberia: monitoring migratory wild birds; potential risks to/from neighbouring countries.	Nikita Lebedev
11:55 – 12:15	Epidemiological and molecular information on avian influenza from India and the SAARC sub-region	Dr Nagarajan S Sundaram, NIHSAD, ICAR, Bhopal, India
12:15 – 12:35	H7N9 and other avian influenza subtypes in China, including genetic , epidemiological, experimental and vaccine implementation information	Prof Hualan Chen, National AI Reference Laboratory, Harbin, China Or Rep
12:35 – 13:00	Q&A time for session	Speakers in session
13:00 – 14:00	<i>Lunch</i>	
	Technical session II: Country situational updates and practices	Chair: Dr H Kugita
14:00 – 15:30	<u>Flash talk and poster gallery session</u> <u>Member Country/territories updates I</u> : recent outbreaks and response activities undertaken (endemic countries) or preparedness (influenza-free countries); 3 min "flash talk" of highlights, followed by poster viewing session time for Q&A	Member Country representatives (12 countries)
15:30 – 16:00	<i>Tea/coffee break</i>	
16:00 – 16:50	<u>Presentations on vaccination</u> Vaccination against avian influenza in poultry: an update on science and administrative decisions behind vaccination policy and strategy – 10 minutes presentations by each panelist; - Japan, Thailand, Korea, China, Vietnam	Professor H Kida, Dr Thanawat Tiensen, Dr Heechul Lee, Dr Chuanbin Wang, and Dr Chu Duc
16:50 – 17:20	Q&A session	

We were required to be at the CZC Annex Bldg 2 before 8:00 for the registration of participants. The meeting started on time, opening remarks and introduction of participants were done. Then the Technical Sessions 1 and 2 were done as follows:

特記事項（学んだこと、反省点、明日の予定など）

It was nice listening to the experts about the updates about Avian Influenza all over Asia and the Pacific. I learned a lot about the issues of how AI control especially in countries with other countries surrounding them. There were also many socio-cultural and political issues with the coordination of animal disease control. AI, being brought across borders by wild birds, is very hard to control moreover, stop its spread across countries.

It was also enlightening to observe how the participants voiced out their views on vaccination against AI.

The flash talk presentation portion for 12 countries was also informative, since we could get a quick and concise perspective of the AI disease status of each of these countries. Participants also expressed their opinions about vaccination for prevention and control of AI. Some viewed it as a temporary control measure, others viewed it as a hindrance to total AI elimination.

The Q&A portions were not as free-flowing as one would have wanted but it was a good experience being able to hear the important issues for each country.

I also took photos of the posters and the presenters of the posters, as documentation for OIE.

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受入機関名： World Organization for Animal Health (OIE) Regional Representation for Asia and the Pacific

第 日目	2017 年 10 月 04 日 (Tue) 8 : 45 ~ 17 : 30
実習部門 (実習場所)	OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia
実習指導者の 役職・氏名	Dr. Hirofumi Kugita, Dr. Pasang Tshering, Dr. Yoshihiro Sakoda
実習の テーマ・課題	Overview of the Internship and Roles of the Interns during the Meeting, Roles and Responsibilities of the OIE, <i>Logistic support for the preparation of meeting</i>

実習概要（実習した業務、手順、内容など）

They required us to be at the internship area by 8:45 on the second day. Again, I took notes throughout the day as well and helped in other tasks assigned. I was also assigned to be a secretary for Group D for the Group Exercise on Laboratory Networking and Capacity Building. After I took note of their discussion, the group leader asked me to be the presenter for the group for the activity the following day. It was a great honor and responsibility.

Time	Theme	Speaker
09:00 – 09:15	Summary from Day 1 (including housekeeping)	Prof Yoshihiro Sakoda, HU, Sapporo, Japan
	Technical session III: Country/territory situational updates including surveillance activities	Chair: Dr Nagarajan S Sundaram
09:15 – 11:00	Flash talk and poster gallery session Contd... <u>Member Country updates II: as above</u>	Member Country representatives (14 countries)
11:00 – 11:30	<i>Tea/coffee break</i>	
11:30 – 11:50	Swine influenza scenario in the region: risks and threats to other animal species and people	Dr Takehiko Saito, Director, Div. of Transboundary Animal Disease, NIAH Japan
11:50 – 12:40	<u>Panel discussion on surveillance from affected and unaffected countries</u> Surveillance: practicalities and overcoming difficulties - 7 minutes presentation from selected Member Country/territory representatives, including both epidemic and free countries (Cambodia, Nepal, Chinese Taipei, Malaysia, India, Japan, Philippines)	Moderator: Dr Nagarajan Dr. T. Ren; Drs MR Bista or SK Yadav; Drs Ming-Hsing Peng; Dr SB Abdul Ree; Dr Arun Sharma; Dr T Yomane; Dr AA Vytiaco
12:40 – 13:00	Q&A session	

	Technical session IV: Laboratory networking and capacity building	Chair: Dr T Saito
14:00 – 14:50	Laboratory networking Regional activities for the control of avian influenza (5 min) Overview of the OIE twinning programme (5 min) Example 1: OIE twinning programme by Australia (10 min) Example 2: OIE twinning programme by Japan (10 min) Networking between Siberia and Asia (15 min) Q&A session (5 min)	<ul style="list-style-type: none"> - H Kugita - Dr G Pavade - Dr F Wong - Dr M Okamatsu - Dr A Shestopalov
14:50 – 15:20	Capacity building Global and regional Proficiency Testing for the diagnosis of avian influenza (15 min) Q&A and discussion: How to conduct the Proficiency Test in Asia? (15 min) ASEAN Regional Lab Networking strategy (10 min)	<ul style="list-style-type: none"> - Dr F Wong - Dr Wong, Filip and Kugita - Filip
15:20 – 15:50	<i>Tea/coffee break</i>	
15:50 – 17:15	Group exercise on laboratory networking and capacity building Group exercise 1: Laboratory Networking – Groups A, B and C Group exercise 2: Laboratory Capacity Building – Groups D, E and F?	Lead Facilitator: Dr Keita Matsuno, HU, Sapporo, Japan Other facilitators: <ul style="list-style-type: none"> - Okamatsu - Lesa - Pasang/Karina - Pavde - Filip - Ronnel

特記事項（学んだこと、反省点、明日の予定など）

Several lecturer and experts warned about the effect of swine influenza (which originated from AI) could do in hastening the transfer of potentially highly pathogenic AI to humans. This was interesting to listen to especially for a scientific standpoint.

The continuation of the flash talk presentations of the participant countries were again very interesting. Most of the countries had already streamlined their presentations to fit the time given.

It was the first time for me to learn about the OIE twinning programmes, which made me think about how to use this for my country as well.

Global and regional proficiency testing for the diagnosis of AI would be less applicable to the Philippines, in my opinion, instead, we should be trained in by the OIE experts first. I paid attention to the ASEAN Regional Lab networking strategy, hoping we could use this to our advantage.

Finally, the group exercise, where I served as a group secretary, was a good venue for a more personal interaction of the participants to talk with other participants. I think lengthening this part of the program is advantageous since participants are more likely to pay attention if they are required to contribute to the discussion.

VPcamp 日誌



氏名： Jussiaea Valente BARIUAN 大学名： Hokkaido University 学年(DC1)

受入機関名： World Organization for Animal Health (OIE) Regional Representation for Asia and the Pacific

第 日目	2017 年 10 月 05 日 (Tue) 9 : 00 ~ 13 : 30
実習部門 (実習場所)	OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia at Hokkaido University
実習指導者の 役職・氏名	Dr. Hirofumi Kugita, Dr. Pasang Tshering, Dr. Yoshihiro Sakoda
実習の テーマ・課題	OIE Regional Expert Group Meeting for the Control of Avian Influenza in Asia: Day3

実習概要（実習した業務、手順、内容など）

For the last day of the Meeting, we were allowed to arrive at 9:00 at the venue. As soon as I arrived, I presented the summary of the things Group D (from the previous day) discussed to the participants and officials present at the meeting.

We were part of the groups that went around the Center for Zoonosis Control Buildings. The professors showed us the machines that can be used in the center. They also informed the participants of the rates that they can run the Next Generation Sequencers (NGSs).

We helped in cleaning the meeting area after the program. We were reminded that we

needed to submit meeting notes I had taken. I sent a copy to my fellow interns and we agreed to summarize and finalize them. Here is a summary of day 3:

Time	Theme	Speaker
09:00 – 09:20	*Summary of country updates (from Days 1 and 2)	Prof Y Sakoda
09:20 – 09:40	*Summary on how to move forward with laboratory networking and capacity building in the region (from Day 2 Technical Session IV)	Dr F Wong
09:40 - 10:05	* Summary of Group work outputs (A, B, C, D, E, F)	Rapporteurs
10:05 – 10:20	*Summary plan to strengthen laboratory networking and capacity building (from Day 2 Group Exercises)	Dr K Matsuno
10:20 – 10:40	Tea/coffee break	
10:40 – 12:15	Laboratory tour: Research Centre for Zoonosis Control	Hokkaido University researchers
	Technical session V: Summary and conclusions	Chair: Dr H Kugita
12:15 – 12:45	Conclusions and recommendations	Ronello Abila/Y Sakoda
	Official close of meeting	
	Closing remarks	FAORAP Hokkaido University Dr G Pavade (OIE HQ) Dr H Kugita (OIE RRAP)
12:45- 13:15		
13:15	Lunch and departure	

特記事項（学んだこと、反省点、明日の予定など）

It was nerve-wracking to present to a group of people who were high-ranking officials in their respective countries and institutions. But I presented well enough to receive praise from Group D, from Dr. Pasang, Dr. Sakoda and a number of other participants. This made me extremely happy and proud.

Although I often went to the CZC because I took care of mice in one of their animal rooms, I had not seen the other areas/ laboratories in the Center. Participating in the Center tour was a great for me. I was able to see the NGSs and made me realize that I can use these available machines for my research as well.

VPcamp 日誌



氏名： Jussiaea Valente BARIUAN 大学名： Hokkaido University 学年(DC1)

受入機関名： World Organization for Animal Health (OIE) Regional Representation for Asia and the Pacific

第 日目	2017 年 12 月 18 日 (Mon) 10 : 00 ~ 17 : 30
実習部門 (実習場所)	OIE Regional Representation for Asia and the Pacific at Tokyo University
実習指導者の 役職・氏名	Dr. Hirofumi Kugita, Dr. Pasang Tshering, Dr. Yoshihiro Sakoda
実習の テーマ・課題	Lectures at OIE Regional Representation for Asia and the Pacific

実習概要（実習した業務、手順、内容など）

We arrived at Tokyo the day before. We were assigned to arrive at the internship venue at 10:00. We were given several handouts for the lectures we were about to listen to. Here was the summary of the schedule.

18 December 2017	
WTO/SPS Agreement and OIE Codes	N. Ojima
Lunch	
OIE Disease Reporting System and Information Dissemination Procedure	N. Ojima
The Situation of Transboundary Animal Diseases and OIE's Regional Activities for their Control	C. Holley
Animal Welfare Activities of the OIE	C. Holley

特記事項（学んだこと、反省点、明日の予定など）

WTO/SPS Agreement and OIE Codes proved very hard to understand. I understood that OIE was responsible in making standards by which other countries based their national action plans (to eliminate/ control animal diseases) on. These were "enforced" through the WTO/SPS Agreements and other importation agreements between countries.

Dr. Holley also gave us the summary of the activities of OIE Regional Office regarding transboundary animal disease control (and prevention) and animal welfare. We mostly shared our countries' situations and learned about how we can improve the control of animal diseases with suggestions/ standards endorsed by the OIE.

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氏名 : Jussiaea Valente BARIUAN 大学名 : Hokkaido University 学年(DC1)

受入機関名 : World Organization for Animal Health (OIE) Regional Representation for Asia and the Pacific

第 日目	2017 年 12 月 19 日 (Tue) 10 : 00 ~ 15 : 30
実習部門 (実習場所)	OIE Regional Representation for Asia and the Pacific at Tokyo University
実習指導者の 役職・氏名	Dr. Hirofumi Kugita, Dr. Pasang Tshering, Dr. Yoshihiro Sakoda
実習の テーマ・課題	Lectures at OIE Regional Representation for Asia and the Pacific

実習概要 (実習した業務、手順、内容など)

The following day was only for half a day. At the end of the internship we were asked to give our final words about the internship. We also took pictures of the internship group and our lecturers.

Here is the schedule summary.

19 December 2017	
One Health Approach in the Region	P. Tshering
Control of Antimicrobial Resistance	M. Urabe
Lunch	
Wrap-up of the internship	
End of the Internship	

特記事項 (学んだこと、反省点、明日の予定など)

I learned about the activities done by the OIE to further One Health Approach to controlling animal/ zoonotic diseases. True enough, the cooperation of human health sectors and those concerned with food production and environment-preservation should be done to prevent the continuation of a disease and its spread. OIE also provides great suggestions to be applied to entire countries plans. The OIE Asia and the Pacific Region has been doing a good job of applying the One Health approach, having a Tripartite Agreement with FAO and WHO.

Antimicrobial resistance is a grave threat for both humans and animals. This is why OIE is also taking measures to prevent this situation from worsening.

Positive impact of the activity will have on my future career path

I also hold a job at the College of Veterinary Medicine, University of the Philippines Los Banos (UPLB) and scheduled to return to my post which includes teaching, research and extension of Veterinary Medicine subjects. This is why I need to learn the following in order to relay it to the younger generation.

I learned more about avian influenza

- its current (2017) epidemiological situation in the Asia-Pacific region,
- effective strategies to prevent the entry and spread of AI in a country, and
- policy-making regarding avian influenza control.

I would like to learn more effective ways to reach out to the public

- learned communication methods to avoid panic and not buy poultry products (happened in early 2017)
- learned communication skills from experts
- observed how they strategize and make policies would help.

It was good for laboratory networking and capacity building

- I will be tasked (when I return home) with many administrative duties that include equipping the university disease diagnosis center of our department I also would like to experience this international setting.

It enlightened me on how international organizations work,

- I would like to share this with my future students.

I also networked and found for potential collaborative partners.

- I introduced myself to the current BAI administrators, and am still in contact with them

I acquired valuable knowledge and skills helpful to my country by participating in this internship and I would like to be able to share this to my students in the future, to inspire and encourage them to try careers in the OIE or in public governance.

Advice for your junior fellows

- **Grab opportunities that come your way.** This internship was offered during a Leading Program Progress Seminar by Professor Sakoda. It was intended for older batches of students, but I expressed my interest.
- **Internships don't need to be directly connected to your research topic.** This course requirement allows you to experience practical use of your skills acquired from the Leading Graduate School Program. Widen your perspective and try a different avenue.
- **Do your internship as soon as possible.** We did not plan for the COVID19 pandemic to happen, and this may have changed or delayed most of your future plans. So, I recommend that you do what you can today.

- **Be flexible and make the most out of the cards dealt to you.** When you cannot do anything about the circumstances presented to you, such as the COVID19 pandemic, be graceful in accepting the situation and think of ways to spin the negative into the positive.

Approval of supervisor	Institution • Official title • Name Laboratory of Biochemistry, Graduate School of Veterinary Medicine • Professor • Kazuhiro KIMURA
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- ※1 Send the electronic file to the Leading School section, International Affairs Office
- ※2 Attach a copy certificate of the content of internship activity that is prepared by the counterpart at the internship institution (any form with a signature of the counterpart).
- ※3 The Steering Committee of the Leading Program will first confirm the content of this report and report will be forwarded to the Educational Affairs Committee for credits evaluation.

Submit to : VETLOG

Ext: 9545 e-mail: leading@vetmed.hokudai.ac.jp