（Abroad・Domestic）Official trip report form（Student） 2014/08/19 (Year/Month/Day)

Name	Nipawit Karnbunchob
Laboratory	Division of Bioinformatics
Year (Grade)	DC2
Destination	Montreal, CANADA
Period of trip	26th July 2014 – 3rd August 2014
Purpose of trip	To present my research and attend the conference

Summary of activities （about 800 words, provide photos, tables and figures that clearly show the activities during the period）

My activity abroad was to present my research and attend the conference of International Union of Microbiological Societies (IUMS) Congress 2014. This conference took place in Montreal, CANADA during July 27 – August 1.

Saturday, July 26

I departed from Hokkaido to Tokyo then I departed from Japan at 17:50 to go to Canada.

Sunday, July 27

I arrived at Toronto, Canada to transit to Montreal, Canada. I arrived at Montreal at 20:15. I registered the conferences and attend opening ceremony.

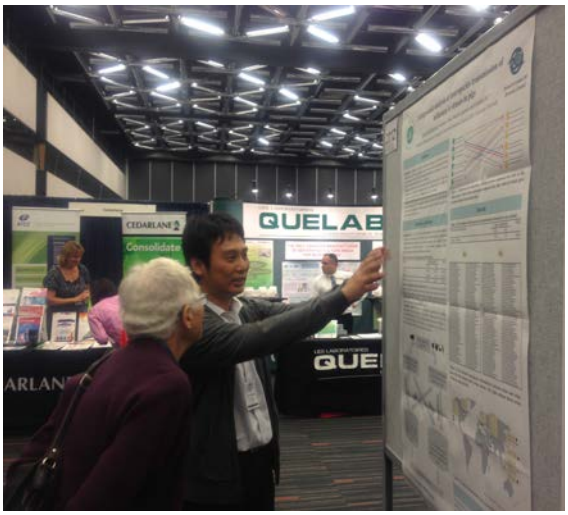
Monday, July 28

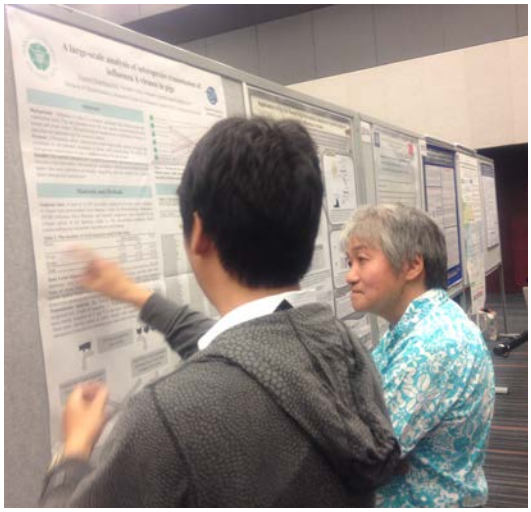
Morning

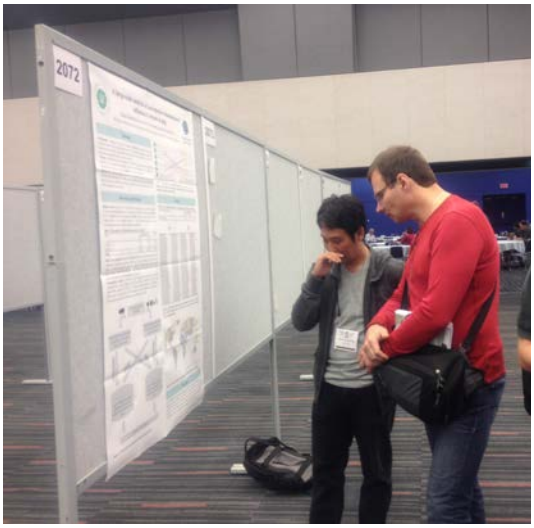
I attended the four plenary sessions:

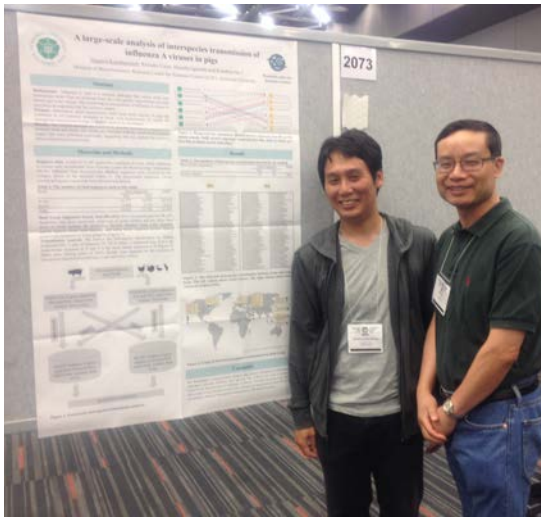
- RNA virus replication assemblies
- A quantitative systems biology study on a model bacterium
- From phenotypes to pathways: global exploration of cellular networks using yeast functional genomics
- Analysis of alpha herpesvirus axon-cell spread

My poster session was during 12:00-13:00 on July 28. I presented my research on title “A large-scale analysis of interspecies transmission of influenza A viruses in pigs”. I explained about my studied to the persons who interested in my research that are showed as pictures below.









Afternoon

I attended the three plenary sessions:

- Ancient and modern leprosy bacilli
- Global burden of human fungal diseases and their underlying diseases
- Dynamics of Influenza Diversity

I also attended seven workshops:

- Cell Biology of Viroid Infection
- Measles virus infection of the central nervous system
- Development of live attenuated H7 (H7N3, H7N7 and H7N9) influenza vaccines
- Bat influenza virus harboring the entry machinery of an influenza A virus
- Development of novel cell-based Influenza H5N1 vaccines
- Leukocyte trafficking in response to influenza infection in the ferret
- Identification of a novel viral protein expressed from the PB2 segment of Influenza A Virus

Tuesday, July 29

Morning

I attended the four plenary sessions:

- Sexual reproduction and the evolution of eukaryotic microbial pathogens
- Influenza Virus Transmission
- Oncolytic viruses as cancer therapeutics
- Are viruses in the sea the largest reservoir of genetic diversity on Earth

Afternoon

I attended the three plenary sessions:

- A new synthesis for antibody-mediated immunity
- Next generation antibiotics
- The Philadelphia measles epidemic of 1991: lessons from the past

I also attended seven workshops:

- The Cutting Edge of Virus Taxonomy
- Isolation and characterisation of the positive-sense replicative intermediate of a negative
- Progress and challenges in filovirus taxonomy
- The genome packaging mechanism of influenza B virus
- The eight facets of the influenza A virus cap-snatching process
- Identification of host cellular proteases involved in Influenza A virus replication by RNAi screen
- Pyrosequencing revealed geographical distribution and ecological diversification of fungal communities on barley and malt from western Canada

Wednesday, July 30

Morning

I attended the four plenary sessions:

-Comparative analyses of the human- and animal-adapted strains of the Mycobacterium tuberculosis complex
- The sigma factors of Mycobacterium tuberculosis
- Exploiting viruses as a system to understand and treat cancer
- Studies of non-enveloped virus maturation and infection: Insights into elegantly programmed nano-machines

Afternoon

I attended the three plenary sessions:

- Hepatitis C: 25 years later
- C-type lectin receptors in infection and immunity
- Pathogenesis of Shigella infection, a model of immunosubversion

I also attended seven workshops:

- Needs and opportunities in antiviral drug development
- What are the risks of emergence of chikungunya outbreak in Central African Republic
- Mode of transmission determines the dynamics of primary Parainfluenza Virus infection and protection from reinfection independent of viral and host factors that govern pathogenesis
- Genomic and bioinformatics analysis of simian adenovirus 19 confirms the need to establish a new adenovirus species
- The Americas are more than ever under the threat of chikungunya virus spread.
- Epidemiology investigation of SFTS virus infection in China
- Role of TRAF7 in the regulation of Type I IFN antiviral response during Influenza Virus infection

Thursday, July 31

Morning

I attended the four plenary sessions:

- Herpesviral Noncoding RNAs: Insights into evolution
- Synthetic Genomics: from genetic parts to genomes
- RNA interference, viral persistence, and small RNAs
- Systems Biology of Viral Infections

Afternoon

I attended the two plenary sessions:

- The Ubiquitin Proteolytic System - From Basic Mechanisms thru Human Diseases and on to Drug Development
- Immunology taught by viruses

I also attended seven workshops:

- Pathogenic cryptococci: iron metabolism and virulence
- Major blood transmissible viral pathogens (HBV, HCV and HIV) among residents of emerging cities in South Eastern Nigeria
- Arboviral infections of the central nervous system in patients with underlying diseases

- Avian Bornaviruses: A common and widespread emerging infection
- Phylogenetic analysis of Hepatitis E virus and contamination sources in swine production network
- Development and validation of a novel rapid method for the simultaneous detection of viral pathogens causing acute encephalitis syndrome
- A topological assay to detect virus membrane fusion in intact cells

Friday, August 1

Morning

I attended the four plenary sessions:

- A temporal metagenomic survey of a soil microbial community following willow planting in petroleum hydrocarbon-contaminated soil
- The skin mycobiome in human health and disease
- Damp buildings, fungi and the rise of non-atopic asthma
- Dissecting the antibody response to pathogens

Saturday, August 2

To come back to Japan, I checked out the hotel and went to Montreal airport in the morning. I departed from Montreal to Toronto then I departed from Canada at 13:00 to go to Japan.

Sunday, August 3

I arrived at Tokyo to transit to Hokkaido. I arrived at Hokkaido at 18:30.

Notice: My attendance for this conference is also summarized in Table. Please see another attached excel file or document

Approval of supervisor	Institution・Official title・Name : Division of Bioinformatics, Research Center for Zoonosis Control 印

※1 Send the electronic file to the Leading School section, International Affairs Office, also submit the original print out with seal of supervisor to the Leading School section, International Affairs Office.

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