

2016 NTU and UTokyo Joint Conference

- Searching Solutions for Grand Challenges in East Asia –

Date: November 30 and December 1, 2016

Venue: National Taiwan University

November 30

NTU Plenary Session (09:00-12:00)

Venue: Sun Great Hall, Building 1, College of Management

- 09:45-10:15 Registration
10:15-10:45 Opening Ceremony
10:45-11:35 Keynote Speech
11:35-11:50 Group Photo
11:50-13:30 Luncheon

College Parallel session I (14:00-17:00)

School of Veterinary Medicine, College of Bioresources and Agriculture

Chairperson of NTU: Chin-Cheng Chou (Prof.) (Vet. Public Health)
Chairperson of UTokyo: Kei-ichiro Maeda (Prof.) (Vet. Theriogenology)
Moderator of NTU: Fang-Chia Chang (Prof.) (Neurophysiology)
Moderator of UTokyo: Masatoshi Hori (Associate Prof.) (Vet. Pharmacology)
Venue: Room B09, Building 3, School of Veterinary Medicine

- 14:00-14:05 **Chairperson's Remarks, National Taiwan University**
Chin-Cheng Chou (Dean, Prof.) (School of Veterinary Medicine, NTU)
- 14:05-14:10 **Chairperson's Remarks, University of Tokyo**
Kei-ichiro Maeda (Prof.) (Department of Veterinary Medical Sciences, UTokyo)
- 14:10-14:25 **Effects of N6 -(4-hydroxybenzyl) adenine riboside and N6 -(2-sulfanyl-3-bromo) adenine riboside in stress-induced insomnia in mice**
Fang-Chia Chang (Prof.) (Neurophysiology, NTU)
- 14:25-14:40 **Diversity and Pathogenicity of Animal Papillomaviruses**
Takeshi Haga (Associate Prof.) (Infection Control and Disease Prevention, UTokyo)
- 14:40-14:55 **Characteristics of extended-spectrum beta-lactamase-producing Escherichia coli from piglets with diarrhea**
Kuang-Sheng Yeh (Associate Prof.) (Molecular Bacteriology, NTU)
- 15:55-15:10 **Neuroendocrinology of Reproduction: Basics to Application**
Kei-ichiro Maeda (Prof.) (Veterinary Theriogenology, UTokyo)
- 15:10-15:25 **Safety and osteoconduction of allogeneic granular cancellous bone graft from canine cadaver**
Ili Liu (Assist. Prof.) (Veterinary Surgery, NTU)
- 15:25-15:40 **Immunopathology of visceral leishmaniasis**
Yasuyuki Goto (Associate Prof.) (Molecular Immunology, UTokyo)

15:40-15:55	Break
15:55-16:10	Neuroendocrine Regulation of Epididymal and Seminal Vesicle-Enriched Protein Quiescin q6 Sulfhydryl Oxidase 2 (QSOX2): Basic to Application Pei-Shiue Jason Tsai (Assist. Prof.) (Reproductive Biology and cell biology, NTU)
16:10-16:25	Generation and analysis of Interleukin-1 related gene modified mice by genetic engineering approach Shigeru Kakuta (Associate Prof.) (Biomedical Science, UTokyo)
16:25-16:40	Anti-allergic and prebiotic effects of diosgenin, a plant-derived steroidal sapogenin Tong-Rong Jan (Prof.) (Immunopharmacology and Immunotoxicology, NTU)
16:40-16:55	Pharmacokinetic and/pharmacodynamic comparison/of opioids in dogs and cats Ryohei Nishimura (Prof.) (Veterinary Surgery, UTokyo)
16:55-17:20	Wrap-up
17:20-17:30	Group photo

**School of Forestry and Resource Conservation,
College of Bioresources and Agriculture**

Chairperson of NTU: Prof. Chun-Han Ko (Prof.)

Chairperson of UTokyo: Norihiko Shiraishi (Prof.)

Venue: Room 210, School of Forestry and Resource Conservation

14:00-14:05	Chairperson's Remarks, National Taiwan University Chun-Han Ko (Chairman, Prof.) (School of Forestry and Resource Conservation, NTU)
14:05-14:10	Chairperson's Remarks, University of Tokyo Norihiko Shiraishi (Prof.) (Department of Forestry Science, UTokyo)
14:10-14:25	Forest policy and economy in Taiwan Chinlong Zheng (Prof.) (NTU)
14:25-14:40	Sustainability and profitability of private forest management in Japan Norihiko Shiraishi (Prof.) (UTokyo)
14:40-14:55	Forest zoology in Taiwan Hsiao-Wei Yuan (Prof.) (NTU)
15:55-15:10	Non-destructive observation of xylem water conduction in healthy and diseased trees Kenji Fukuda (Prof.) (UTokyo)
15:10-15:25	Forest molecular ecology in Taiwan Fang-Hua Chu (Prof.) (NTU)
15:25-15:40	Effects of crowding on larval diapause and adult body size in Taiwanese subspecies <i>Monochamus alternatus alternatus</i> (Coleoptera: Cerambycidae) Katsumi Togashi (Prof.) (UTokyo)

15:40-15:55	Break
15:55-16:10	Plant-animal interaction in Taiwan Tzung-Su Ding (Assoc. Prof.) (NTU)
16:10-16:25	Cryptic species of a group of small stag beetles and their symbiotic microorganisms Kohei Kubota (Assoc. Prof.)
16:25-16:40	Forest water cycling in Taiwan and Japan Tomonori Kume (Assoc. Prof.) (NTU)
16:40-16:55	Ambrosia beetles: New threats to woody plants in the world Naoto Kamata (Prof.) (UTokyo)
16:55-17:20	Wrap-up
17:20-17:30	Group photo

**Department of Bio-industrial Mechatronics Engineering,
College of Bioresources and Agriculture**

Chairperson: Dr. Tzong-Jih Cheng (Chairman, Prof.)

Moderator: Dr. Yuen-Chung Lee (Assoc. Prof.)

Venue: Room 402, Tomotake Hall

14:00-14:10	Welcome remarks Tzong-Jih Cheng (Chairman, Prof.) (NTU)
14:10-14:40	Modeling and Simulation of Food Processing Technologies Yun-Chung Lee (Assoc. Prof.) (NTU)
14:40-15:10	Reactive oxygen species generated by nanobubbles can promote seed germination Seiichi Oshita (Prof.) (UTokyo)
15:10-17:00	Roundtable discussion for future cooperation
17:00-17:10	Group photo

**Agricultural Microbiology,
College of Bioresources and Agriculture**

Chairperson: Ming-Ju Chen (Dean)

Moderator of NTU: Chi-Te Liu (Assoc. Prof.)

Venue: Room 302, College of Agriculture Building

14:00-14:15	Remarks from the Chairperson and UTokyo delegates
14:15-14:30	Recent advances of wound dressings using bacterial cellulose Kuan-Chen Cheng (Assoc. Prof.) (NTU)
14:30-14:50	Introduction of laboratories involved in microbiology in Graduate School of Agricultural and Life Sciences Yasuo Ohnishi (Prof.) (UTokyo)

- 14:50-15:05 **Isolation, Identification and functional study of microorganisms**
Ming-Ju Chen (Prof.) (NTU)
- 15:05-15:25 **Persistence of bacterial pathogen in pigs and its cross contamination to retail pork**
Tsutomu Sekizaki (Prof.) (UTokyo)
- 15:25-15:40 Break
- 15:40-15:55 **Genetic diversity of a smut fungus associated with the vegetable, Kah-peh-sung or Makomotake, in East Asia**
Wei-Chiang Shen (Prof.) (NTU)
- 15:55-16:10 **Beneficial effects of an elite photosynthetic bacterium on plant growth and its metabolism**
Chi-Te Liu (Assoc. Prof.) (NTU)
- 16:10-16:25 **Application of atmospheric plasma technology in food processing**
Yu-Wen Ting (Assist. Prof.) (NTU)
- 16:25-17:10 Roundtable discussion for future cooperation
- 17:10-17:25 Wrap-up
- 17:25-17:30 Group photo

Dinner Banquet

- 18:00-20:30 la marée

December 1

College Parallel session II (09:00-12:30)

Welcome Remarks from the Colleges

Chairperson of NTU: Yuan-Tay Shyu (Dean, College of Bioresources and Agriculture)

Chairperson of UTokyo: Takeshi Tange (Dean, Graduate School of Agriculture and Life Sciences/Faculty of Agriculture)

Moderator of NTU: Ming-Ju Chen (Director, Prof.) (Center for International Agricultural Education and Academic Exchanges, College of Bioresources and Agriculture)

Moderator of UTokyo: Hiroyuki Nakayama (Director, Prof.) (Office for International Cooperation & Exchange, Graduate School of Agricultural & Life Sciences/Faculty of Agriculture)

Venue: 1F, Agricultural Economics Lecture Room, College of Agriculture Building

09:00-09:20 Registration

09:20-09:25 **Dean's Remarks, National Taiwan University**

Yuan-Tay Shyu (Dean, Prof.) (College of Bioresources and Agriculture, NTU)

09:25-09:30 **Dean's Remarks, University of Tokyo**

Takeshi Tange (Dean, Prof.) (Graduate School of Agriculture and Life Sciences/Faculty of Agriculture, UTokyo)

09:30-09:40 **Introduction of College of Bioresources and Agriculture, NTU**

Ming-Ju Chen (Director, Prof.) (Center for International Agricultural Education and Academic Exchanges, NTU)

09:40-09:50 **Introduction of Graduate School of Agriculture and Life Sciences/Faculty of Agriculture, UTokyo**

Neelam Ramaiah (Assoc. Prof.) (Office for International Cooperation & Exchange, Graduate School of Agricultural & Life Sciences/Faculty of Agriculture, UTokyo)

09:50-10:00 Group Photo

Students' Presentation

10:00-10:15 **How did BACT Program & Internship influence me?**

Mr. Kento Funaki (Undergraduate) (UTokyo)

10:15-10:30 **From drinking to thinking, from cooperation to connection**

Mr. Shih Chieh Chan (Undergraduate) (NTU)

10:30-10:45 **The experiences through the Veterinary Exchange Program**

Ms. Marimo Sato (Undergraduate) (UTokyo)

10:45-11:05 Break

11:05-11:20 **Iron oxide nanoparticles aggravate inflammation associated with experimental autoimmune encephalomyelitis**

Mr. Yai-ping Alvina Hsiao (PhD student) (NTU)

- 11:20-11:35 **University of Tokyo in my eyes**
Ms. Yunhan Hsu (PhD student) (UTokyo)
- 11:35-11:50 **Thoughts form NTU & U-Tokyo Forestry Academic Exchange Programs**
Miss. Songling Ang (Graduate student) (NTU)
- 11:50-12:05 **Special Experience in natural landscape of Taiwan**
Mr. Kodai Nagata (Graduate student) (UTokyo)
- 12:05-12:20 **A vision for approaching various issues in Global Agriculture**
Mr. Ikit Ung (Graduate student) (UTokyo)
- 12:30-13:30 Luncheon at Room 302, College of Agriculture Building

NTU Plenary Session (14:00-17:05)

- 14:00-14:20 Wrap-up Preparation
- 14:20-15:40 Plenary Session
- 15:40-16:15 Wrap-up Report I
- 16:15-16:30 Tea Break
- 16:30-17:05 Wrap-up Report II
- 17:40-19:30 Dinner Banquet