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Conference Theme:

“One Health Perspectives on Infection and Immunity: Humans, Animals and the Environment”

Dates: 19-22 October 2019

Venue: Shangri-La Chiangmai, Thailand

Saturday 19 October 2019: Pre-conference Course: One day of vaccines at CMU

Sunday 20 October 2019: Welcome & speaker dinner

Mon 21 October 2019: Open Conference	
07:30-08:00	Registration & set up posters
08:00-08:10	Welcome & Opening Remarks - Opening: Ganjana Lertmemongkolchai , CMDL-AMS, KKU - Welcome: Wasna Sirirungsi , Former AMS Dean & Honorary CMU Alumnus
08:10-08:30	Keynotes: - One Health: Associated Medical Sciences Perspectives Sakorn Pornprasert , AMS Dean, CMU - One Health: Veterinary Medicine Perspectives Khwanchai Kreausukon , Vet Med Dean, CMU
Session I: Economics, Environment & Infection	
Chair: Brendan Wren, LSHTM, UK.	
08:30-09:00	Global environmental studies (Air quality & hospitalizations): Ian Mudway , King’s College London, UK
09:00-09:30	Global epidemiology of infectious diseases & antimicrobial resistance: David Dance , LOMWRU, Lao PDR & LSHTM, UK
09:30-10:00	One Health from Economics perspectives: Terdsak Yano , Vet Med, CMU. On behalf of Charuk Singhapreecha , Faculty of Economics, CMU
10:00-10:30	Turbo talks (limit 2 slides & 3min each, Odd poster number)
10:30-11:00	Refreshment & poster viewing (Odd poster number)



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Session II: Rabies as a re-emerging disease

Chair: David Dance, LOMWRU, Lao PDR & LSHTM, UK.

11:00-11:20	One health collaboration of rabies prevention and control for rabies free: Wilaiwan Petsophonsakul , Lanna Dog Welfare & AMS, CMU
11:20-11:40	The international collaboration for rabies prevention in Japan by strengthening of surveillance and laboratory network in Asia: Satoshi Inoue , NIID, Japan
11:40-12:00	The serious game for rabies prevention - Focusing on information flow and expression with gamification method: Mitsuyasu Oda , Meiji University, Japan
12:00-12:20	Epidemiological study on Rabies control: Tsutomu Omatsu , Tokyo University of Agriculture & Technology, Japan
12:20-13:30	Lunch

Session III: Diagnosis & Vaccine concepts

Chair: Ganjana Lertmemongkolchai, KKU, Thailand

13:30-14:00	Recent advanced in development of tuberculosis vaccines: Gregory Bancroft , LSHTM, UK
14:00-14:30	Development of affordable recombinant glycoconjugate vaccines – a One Health approach: Brendan Wren , LSHTM, UK
14:30-15:00	Influenza vaccines for eliciting broadly-protective antibodies: Yoshimasa Takahashi , NIID, Japan
15:00-15:30	Non tuberculous mycobacteria: tools for diagnosis and molecular epidemiology: Manabu Ato , NIID, Japan
15:30-16:00	Turbo talks (3min each, even poster number)
16:00-16:30	Refreshment & poster viewing (Even poster number)



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Session IV: New tools & research approaches

Chair: Gregory Bancroft, LSHTM, UK.

16:30-17:00	Game-Changing-Thailand genomes project: Wasun Chantratita , Center for Medical Genomics, MU
17:00-18:00	Non-essential functions in <i>Stenotrophomonas maltophilia</i> as targets for therapeutic alternatives to current antibiotics: Xavier Daura , Autonomous University of Barcelona, Spain
16:30- 17:00	Multi color In-resin CLEM on Epon-embedded cells: Isei Tanida , Juntendo University School of Medicine, Japan
17:00-17:30	Finding the focal plane of academic and business collaboration through the promising POCT technology: Chatchai Tayapiwatana , AMS, CMU



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Tue 22 October 2019 Small group meeting: Research & work presentation

- Antimicrobial resistance research group
- Rabies prevention and control group
- TB/NTM/BP research group
- Air quality & pulmonary health

Section V: Antimicrobial resistance research Chair: David Dance

09:00-09:30	Antimicrobial resistance: Updates in clinical management Jeremy Brown , UCL Respiratory / UCLH, UK
09:30-09:45	Extended-spectrum beta-lactamase (ESBL)- and carbapenem-resistant Enterobacteriaceae from hospital wastewater samples in Metro Manila, Philippines Geraldine Dayrit , Trinity University of Asia, Philippine
09:45-10:00	Implementation of research study to systematic routine surveillance of AMR in Chiang Mai Municipal Abattoir Pongpon Homkong , Chiang Mai Municipality
10:00-10:15	Prevalence and Antimicrobial Resistance Pattern of Staphylococcus aureus and Coagulase-negative Staphylococci from Mastitis Cows in Chiang Mai, Thailand Chya Vannakovida , Faculty of Veterinary Medicine, CMU
10:15-10:30	Refreshments

Section VI: Rabies prevention and control Chair: Wilaiwan Petsophonsakul

10:30-10:50	Evaluation of the new guideline for veterinary students in the rabies vaccination program Kriangkrai Thongkorn , Faculty of Veterinary Medicine, CMU
10:50-11:10	Advancing Rabies Elimination in Thailand and Digitized Surveillance Methods Ong-orn Prasarnphanich , Centers for Disease Control and Prevention, Southeast Asia Regional Office
11:10-11:30	Stray dog population control by vasectomy of dominant dogs Wipawee Saengsoi , Faculty of Veterinary Science, Rajamangala University of Technology Srivijaya
11:30-11:50	Animal Birth Control Project in Metropolis areas under Thailand Rabies Elimination Strategy Pirun Chutipongvivate , Faculty of Veterinary Medicine, CMU

11:50-12:00	General discussion I
12:00-13:00	Lunch
Section VII: Emerging/re-emerging & common infections Chair: Gregory Bancroft	
13:00-13:30	Development of health workforce responding to emerging pandemic threats Jeff Bender , School of Public Health, University of Minnesota, USA.
13:30-13:45	Efficacy of co-trimoxazole against melioidosis acquired by different routes of infection Michelle Nelson , Defence Science and Technology Laboratory, UK.
13:45-14:00	Evaluating finafloxacin as a treatment for melioidosis Sarah Harding , Defence Science and Technology Laboratory, UK.
14:00-14:15	Metformin-induced IFN- α expression suppression via mTORC1 following seasonal trivalent influenza vaccination is associated with impaired antibody response in diabetes mellitus Wipawee Saenwongsa , AMS, KKU & Office of Disease Prevention and Control Region 10, Ubonratchathani
14:15-14:30	Diagnosis of non-tuberculous mycobacterial active infection in lymphadenopathy patients with anti-interferon-gamma autoantibody using inhibitory ELISA Arnone Nithichanon , Faculty of Associated Medical Sciences, KKU
14:30-14:45	Refreshments
Section VIII: Air quality & pulmonary health Chair: Ganjana Lertmemongkolchai	
14:45-15:10	One Health of Air Pollution in Thailand: An Insight of Environmental Health Study in Upper Northern Thailand Tippawan Prapamontol , Research Institute for Health Sciences, CMU
15:10-15:30	Health risk assessments of PM _{2.5} and PM ₁₀ in Bangkok and North Eastern Thailand Tassanee Prueksasit , Faculty of Sciences, Chulalongkorn University
15:30-15:50	Cardiovascular effect of PM 2.5 Rungrit Kanjanavanit , Faculty of Medicine, CMU
15:50-16:00	General discussion II
16:00	Closing remark



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List of poster turbo talks (Limit 2 slides, 3 min each):

- 1* Anukool, Usanee. Faculty of Associated Medical Sciences, CMU, Thailand.
*Prevalence and risk factor of livestock-associated MRSA among swine production personnel in Chiang Mai and Lamphun provinces, Thailand
- 2 Awaiwanont, Nattakarn. Faculty of Veterinary Medicine, CMU, Thailand. Evaluation of neutralizing activity of anti-HBV antibodies to different part of HBV surface antigen - Preliminary study
- 3 Chawnan, Natcha. Chiang Mai University, Thailand. Antimicrobial Resistance of Canine Periodontitis in Small Animal Hospital, Chiang Mai University
- 4 Choyrum, Sirinath. Faculty of Associated Medical Sciences, Chiang Mai University, Thailand. Zika IgG seroprevalence rates between HIV-1 infected and HIV-1 uninfected pregnant women in Thailand
- 5 Dachaboon, Pornpailin. Faculty of Pharmaceutical Sciences, CMU, Thailand. Clinical outcomes in relation to alternative antimicrobial treatment regimens and risk factors associated with outcome in patients with Carbapenem-resistant Enterobacteriaceae infections
- 6 Hojo Miyuki, Azabu University, Japan. The autophagy modifying agent chloroquine inhibited the infection of RABV HEP Flury strain in mouse neuroblastoma cells.
- 7 Kewcharoenwong, Chidchamai. Faculty of Associated Medical Sciences, KKU, Thailand. Glibenclamide alters cytokine production of primary human monocytes from diabetic individuals against *Mycobacterium tuberculosis* infection
- 8 Khongsri Usasom, Faculty of Veterinary Medicine, CMU, Thailand. Evaluation of Knowledge and Attitudes Regarding Responsible Use of Antibiotics in Veterinary Students of Chiang Mai University
- 9 Maulana, Muchsin. Ahmad Dahlan University, Indonesia. HYGIENE SANITATION PRIVATE VOCATIONAL SCHOOL OF BEE BREAST WITH THREATS THAT CAUSED BY *C. Albicans* In SLEMAN YOGYAKARTA INDONESIA
- 10 Maekkla, Nuttapat. Faculty of Pharmaceutical Sciences, CMU, Thailand. Effectiveness of vancomycin serum trough concentration for treatment of enterococcal infections in Maharaj Nakorn Chiangmai Hospital.

11 Na Lampang, Kannika. Faculty of Veterinary Medicine, CMU, Thailand. Evaluation of oral rabies vaccination and oral bait for accessing stray dogs

12* Rongsanam, Peerapat. Faculty of Associated Medical Sciences, CMU, Thailand.

*Prevalence and risk factors of livestock-associated MRSA among swine production personnel in Chiang Mai and Lamphun provinces, Thailand

13 Sangwichian, Ornuma. AMS, KKU & Thailand (MOPH)-U.S. Centers for Disease Control and Prevention (CDC) Collaboration, Thailand. Adapting microarray gene expression signatures for early melioidosis diagnosis

14 Sein, Myint Myint. AMS, KKU & University of Medical Technology, Yangon, Myanmar. Antibody response to common pathogens in Myanmar and Thailand

15 Srichumporn, Wirunchana. Chiang Mai University, Thailand. Extended Spectrum Beta- Lactamase producing *Escherichia coli* from Pork in Muang District, Chaing mai Province

* same title