	Wednesday 19 <sup>th</sup> June 2019
All day	Booth and poster set up
13:00-17:00	Room: Chiang Mai 1-2  ISWAVLD registration/ Pre-Congress (complimentary for all registered participants)  Speaker: Ms. Phunnathorn Phuchivatanapong  Regional customer support team lead/ Application specialist-industrial microbiology BioMerieux
13:30-15:00	Principle of the Automated Machine for Identification and Susceptibility
15:00-15:30	Coffee Break
15:30-17:00	Hand on and case discussion  : Sample preparation/ Machine procedure  : Practice for MIC interpretation and drug routine selection
17:00-18:00	Annual general meeting of Thai Association of Veterinary Laboratory Diagnosticians (TAVLD) 2019 (This session will be in Thai and for TAVLD members only)
18:00-20:00	TAVLD Annual Membership Dinner (for TAVLD members only)

	Thursday 20 <sup>th</sup> June 2019					
8:00-9:00	Registration					
	MC: Asst. Prof. Phatcharakran Intanaga and Dr. Sahatchai Tangtrongsup					
9:00-10:00	Room: Grand Hall					
	Opening Ceremony					
	Chiang Mai presentation					
	Thai performance (Fon Khan Toke)					
	Welcoming speech and reported by Prof. Dr. Achariya Sailasuta					
	Chair, the 19 <sup>th</sup> ISWAVLD Organizing Committee					
	President, Thai Association of Veterinary Laboratory Diagnosticians (TAVLD)					
	Congratulatory speech by Ms. Jennifer N. Lasley					
	Sustainable Laboratory Programme Lead, Biological Threat Reduction and Operational Partnerships					
	World Organisation for Animal Health (OIE)					
	Congratulatory speech by Assoc. Prof. Dr. Prachak Poomvises					
	Honorary Chairperson, the 19th ISWAVLD Organizing Committee, and Past President of the Thai Association of Veterinary Laboratory Diagnosticians (TAVLD)					
	Congratulatory speech by <b>Dr. Barbara Martin</b>					
	Executive Director, World Association of Veterinary Laboratory Diagnosticians (WAVLD)					
	Opening Remark by <b>Dr. Sorravis Thaneto</b>					
	Director General, Department of Livestock Development, Ministry of Agriculture and Cooperatives, Thailand					
	Group Photo I and II					
	Token of Appreciation to sponsors/ Group Photo III					

10:00-11:10	Moderator: Assoc. Prof. Dr.	Moderator: Assoc. Prof. Dr. Gunnaporn Suriyaphol						
	• Keynote Lecture							
	Protecting the World from Future Viral Threats. Introducing the Global Virome Project							
	Dr. Dennis Carroll	Dr. Dennis Carroll						
	Director of the U.S. Agency fo	r International Development's (	(USAID) Emerging Threats Unit, US	A				
	• Gift of Appreciation to Dr. D	Dennis Carroll by Assoc. Prof. D	r. Prachak Poomvises					
11:10-11:40	Coffee break (3 <sup>rd</sup> Floor) and ex	chibition/poster viewing						
11:40-12:20	• Plenary Lecture I							
	Food Security and Animal Health: The Global One Health Role of Veterinary Diagnostic Laboratories							
	Dr. Craig N Carter							
	Past Executive Director, World	l Association of Veterinary Lab	oratory Diagnosticians (WAVLD), U	JSA				
	• Gift of Appreciation to Dr. C	raig N Carter by Assoc. Prof. D	Or. Prachak Poomvises					
12:20-13:00	Lunch (Ground Floor)							
	Moderator: Dr. Sirintra Siriv	visoot						
13:10-13:50	• Plenary Lecture II							
	Animal Microbiome: A Reser	rvoir of Antimicrobial Resista	nce in Intensive Animal Farming					
	Prof. Yong-Guan Zhu							
	Director General of the Institute of Urban Environment, Chinese Academy of Sciences (CAS), China							
	• Gift of Appreciation to Prof. Yong-Guan Zhu by Assoc. Prof. Dr. Prachak Poomvises							
	Room: Grand Hall	Room: Chiang Mai 1-2	Room: Chiang Mai 3	Room: Chiang Mai 4-5				
	Moderator: Dr. Sirintra	Moderator: Asst. Prof. Dr.	Moderator: Dr. Sahatchai	Moderator: Dr. Sirinun Pisamai				

	Sirivisoot Secretary: Dr. Suchanit Ngamkala Swine: PRRS and Emerging Diseases	Nlin Arya Secretary: Dr. Patchareeporn Ninvilai  Avian: Influenza and Emerging Diseases	Tangtrongsup Secretary: Asst Prof. Dr. Saruda Tiwananthagorn  Companion Animals (Oral Presentation)	Secretary: Dr. Yaoprapa Mathura  Ruminant: FMD and Emerging Dispases
14:00-14:45 14:45-15:15	Diagnostic Assay Development and Applications to Infectious Disease Surveillance Prof. Jeffrey J. Zimmerman (Iowa State University, USA)	Lessons from Fifteen Years of Responding to Avian Influenza and Other Emerging Threats Dr. Dennis Carroll (USAID, USA)  Surveillance of Avian Influenza in Southeast Asia Prof. Dr. Alongkorn Amonsin (Chulalongkorn	(Oral Presentation)  14:00-14:12  Confirmation of Leptospira interrogans Serogroup  Hebdomadis Affecting Dogs in  Hong Kong – Recognition of a  New Disease Variant  Fraser Ian Hill  14:13-14:24  Correlation of Two Quantitative Techniques: CIVTEST® Canis Leishmania and Immunofluorescence Antibody	Evaluation of the Treatment of Papillomatous Digital Dermatitis, A Polymicrobial Disease of Dairy Cattle, with Allyl Isothiocyanate by Means of Next Generation Sequencer Prof. Naoaki Misawa (University of Miyazaki, Japan)  Dembo Method Regarding Bovine Respiratory Disease Complex Dr. Tamaki Okabayashi
		University, Thailand)	Test in Canine Serum Samples Sandra Gascon 14:25-14:37  Development of a Bartonella henselae Specific Enzyme-Linked Immunosorbent Assay Andreas Latz 14:38-14:50	(University of Miyazaki, Japan)

			Development of a New High- Throughput Screening Pipeline to Identify Antiviral Molecules Actives Against Equine Arteritis Virus to Enlarge the Therapeutical Arsenal	
			Aymeric Hans	
			14:51-15:03	
			Genotyping of Lawsonia intracellularis Sampled from Japanese Thoroughbred Horses by Multi-Locus Variable Number Tandem Repeats Analysis	
			Yuta Kinoshita	
			15:04-15:16	
			Extracellular Vesicles in the Blood of Horses – The Preliminary Study	
			Olga Witkowska-Piłaszewicz	
15:15-15:45	Coffee break (3 <sup>rd</sup> Floor) and ex	chibition/Poster viewing		
	Room: Grand Hall	Room: Chiang Mai 1-2	Room: Chiang Mai 3	Room: Chiang Mai 4-5
	Moderator: Dr. Sirintra Sirivisoot	Moderator: Dr. Patchareeporn Ninvilai	Moderator: Dr. Weejarin Paphussaro	Moderator: Dr. Luis Samartino
	Secretary: Dr. Suchanit Ngamkala	Secretary: Asst. Prof. Dr. Nlin Arya	Secretary: Dr. Sekkarin Ploypetch	Secretary: Asst Prof. Dr. Naowarat Suthamnatpong

	Swine	Avian (Oral Presentation)	Swine (Oral Presentation)	Ruminant
15:45-16:15	African Swine Fever (ASF) & Other Major Swine Emerging Diseases Prof. Roongroje Thanawongnuwech (Chulalongkorn University, Thailand)	15:45-15:57  FAO Quality Assurance Program Assisting Laboratories to Implement a Laboratory Quality Assurance (ISO 17025) System for Quality Assurance of Diagnostic	15:45-15:57  First Isolation and Characterization of Porcine Circovirus 3 in the United States  Luis Gimenez-Lirola 15:58-16:10	Applied diagnosis of Trematodiasis Assoc. Prof. Dr. Panat Anuracpreeda (Mahidol University, Thailand)
16:15-17:00	Development of Next Generation Diagnostic Platforms for Veterinary Medicine Dr. Luis Gimenez-Lirola (Iowa State University, USA)	Tests Chris John Morrissy 15:58-16:10 Evaluation of the Uniformity After Vaccination of Infectious Bronchitis Live Vaccine by a Fully Automated Point of Need PCR System Ying Chun Chen 16:11-16:23 Diagnosis and Preventive Strategy of Coccidiosis in Broilers Tien-Fen Kuo 16:24-16:36 Development of Next	Extended Validation Data of ELISAs on Wild Boar, Oral Fluid ELISA Prototype, and qPCR for African Swine Fever Diagnosis Anna Greatrex 16:11-16:23 Diagnostic Tools for the Surveillance of African Swine Fever in Domestic Pigs and Wildboar Alba Fresco-Taboada 16:24-16:36 Rapid and Sensitive Detection of Type 1 and Type 2 PRRSV Using Reverse Transcription- Insulated Isothermal PCR on Two Field-Deployable Pockit	Ruminant (Oral Presentation) 16:15-16:27  Validation of the New CIVTEST® BOVIS IBRgB  Xavier Rebordosa 16:28-16:40  Novel Diagnostic Assays for Haptoglobin-Based Health Monitoring in Dairy Herds  Andreas Latz 16:41-16:53  Validation According to OIE Criteria of the Salmonella abortusovis Test  Veronica Ceppetelli

17.00.10.00		Technique to Characterize and Identify Reassortant Highly Pathogenic Avian Influenza H5N1 Clade 2.3.2.1C Virus Circulating in Poultry in Indonesia Hendra Wibawa 16:37-16:49  Novel Influenza Subtype Detection and Assessment of Diagnostic Protocols During Active Surveillance in Cambodian Poultry  Erik Karlsson 16:50-17:02  Poultry Vaccines: Innovative Serological Assays for Diagnosis and Vaccination Monitoring for H5, H7 and H9 Avian Influenza A  Anna Greatrex	Jianqiang Zhang 16:37-16:49 Analysis of Fecal Virome in Healthy and Diarrheic Pigs Stefan Vilcek 16:50-17:02 Precise Identification of Biochemically Presumptive Streptococcus Isolates from Swine Clinical Specimens Nattakan Meekhanon	Evaluation of Caprine Arthritis- Encephalitis Virus Precursor Protein P55GAG as an Immunodiagnostic Potential Jadsada Ratthanophart	
17:00-19:00	Welcome reception and visit exhibition (3 <sup>rd</sup> Floor) (Cocktail)  MC: Dr. Pakkanut Bansiddhi and Dr. Dilok Wongsathien				

	Friday 21 <sup>st</sup> June 2019						
	Room: Grand Hall	Room: Grand Hall					
	Moderator: Assoc. Prof. D	r. Niwat Chansiripornchai					
	Secretary: Dr. Wisanu Wa	nasawaeng					
8:00-8:30	Welcome and Opening Ad	dress, OIE Sustainable Labora	tories Initiative				
	Ms. Jennifer N. Lasley, OIE	, Paris, France					
	Morning Session: Laborate	ory Quality Management Syste	ems: The Costs and Benefits	of Quality			
8:30-9:00	Return on investment of in	nplementing ISO 17025					
	Dr. Salama Almuhairi						
	Abu Dhabi Food Control Au	nthority (ADFCA), United Arab	Emirates				
9:00-9:30	Quality Systems: Protection	on Against Litigation					
	Prof. Ann Cullinane, OIE Bi	iological Standards Commission					
	Irish Equine Centre, Ireland						
9:30-10:00	Asia-Pacific Laboratory P	roficiency Testing Program for	Aquatic Animal Disease				
	Dr. Nick Moody						
	CSIRO, Australian Animal l	Health Laboratory (AAHL), Aus	tralia				
10:00-10:45	Coffee break (3 <sup>rd</sup> Floor) and	Coffee break (3 <sup>rd</sup> Floor) and exhibition/poster viewing					
	10:30-11:00						
	Room: Grand Hall	Room: Chiang Mai 1-2	Room: Chiang Mai 3	Room: Chiang Mai 4-5			
	Moderator: Assoc. Prof. Dr. Niwat	Moderator: Asst. Prof.	Moderator: Dr. Sekkarin	Moderator: Dr. Sirintra Sirivisoot			

	Chansiripornchai	<b>Chatchote Thitaram</b>	Ploypetch	Secretary: Dr. Sirinun Pisamai
	Secretary: Dr. Wisanu Wanasawaeng	Secretary: Asst. Prof. Dr. Nlin Arya	Secretary: Dr. Weejarin Paphussaro	
	Investing in People: Competencies of Veterinary	Elephants and Forensic Science	Animal Mycotoxicology and Zoonotic Parasite	Companion Animals: The Future of Molecular Diagnostics in Companion Animal Medicine
10:45-11:30	Paraprofessionals and Laboratory Leaders  Ms. Jennifer N. Lasley  OIE, France	Pathogenesis of Elephant Endotheliotropic Herpesvirus (EEHV) in Asian Elephants: What do	Multi-Mycotoxin Monitoring in Food and Beverages for Assuring Food Safety	Bridging the Gap between Molecular Mechanisms and Clinical Diseases Prof. Matti Kiupel
	11:00-11:30 Study to Assess the Status of Maintenance, Repair, and Calibration of Laboratory Equipment in OIE Member Countries Mr. Benjamin Nyangé OIE, France	we know? Assoc Prof. Dr. Kidsadagon Pringproa (Chiang Mai University, Thailand)	Assoc. Prof. Dr. Amnart Poapolathep President of Association of Mycotoxicology (Kasetsart University, Thailand)	(Michigan State University, USA)
11:30-12:00	Roundtable Discussion on Laboratory Sustainability	Current Status of Animal Forensic Pathology in Japan Prof. Dr. Tokuma Yanai (Gifu University, Japan)	Emerging Zoonotic Malaria in Southeast Asia: Molecular Diagnostics, Epidemiology and Implications for Malaria Elimination Dr. Reuben Sharma (Universiti Putra Malaysia, Malaysia)	Proteomic Profiles of Canine Oral Tumors  Assoc. Prof. Dr. Gunnaporn Suriyaphol (Chulalongkorn University, Thailand)

12:00-13:00	Lunch (2 <sup>nd</sup> Floor)			Lunch Symposium:
13:00-13:30	Room: Grand Hall Moderator: Dr. Weerapong Laovechprasit Secretary: Dr. Suchanit Ngamkala Afternoon Session: Reference Materials and Biobanking	Room: Chiang Mai 1-2 Moderator: Assoc. Prof. Dr. Panat Anuracpreeda Secretary: Dr. Kasem Rattanapinyopituk  Diagnosis of Antimicrobial Resistance (AMR):	Room: Chiang Mai 3  Moderator: Asst. Prof. Dr. Naowarat Suthamnatpong Secretary: Asst. Prof. Dr. Saruda Tiwananthagorn One Health:	Moderator: Dr. Chutchai Piewbang Secretary: Dr. Pakkanut Bansiddhi Diagnosis of Haematopoietic and Lymphoid Malignancies in Companion Animals (Prof. Matti Kiupel, Assoc. Prof. Dr. Anudep Rungsipipat, Assoc. Prof. Dr. Somporn Techangamsuwan, Dr. Araya Radtanakatikanon)
	OIE International Standard Sera Recognition and Looking to the Future Dr. Ana Maria Nicola, OIE Biological Standards Commission (National Health Service and Agri Food Quality (SENASA), Argentina)	CLSI – Leading the Way in Global Breakpoint Settings Prof. Shabbir Simjee (Eli Lilly and Company, Elanco)	Diagnostic Challenges in Bovine and Porcine Cysticercosis Prof. Dr. Pierre Dorny Ghent University	
13:30-14:00	Biobanking: OIE Actions Dr. Antonino Caminiti (OIE, France)	Breaking New Frontiers in AST for Aquaculture Assoc. Prof. Dr. Rungtip		Moderator: Dr. Sekkarin Ploypetch Secretary: Dr. Weejarin Paphussaro Canine Emerging Diseases:

14:00-14:30	The European Viral Archive: To Improve Preparedness for the Control of Emerging Viral Diseases Prof. Jean-Louis Romette, (Aix-Marseille University, France)	Chuanchuen (Chulalongkorn University, Thailand)  From Antimicrobial Susceptibility Test of Antimicrobial Resistance to the Genetic Epidemiology Assoc. Prof. Dr. Chanwit Tribuddharat (Mahidol University, Thailand)	Update on Diagnosis of Human Liver Flukes Prof. Dr. Banchob Sripa Khon Kaen University, Thailand	1. Canine Circovirus Disease Prof. Matti Kiupel (Michigan State University, USA)	
14:30-15:00	Databases, Nomenclature Standardisation, Networking, and IT Infrastructure Dr. James Watson (CSIRO, Australian Animal Health Laboratory (AAHL), Australia)	Panel Discussion: Dr. Shabbir Simjee Assoc. Prof. Dr. Rungtip Chuanchuen Assoc. Prof. Dr. Chanwit Tribuddharat	Granulin and Its Roles in Opisthorchiasis & Cholangiocarcinoma  Asst. Prof. Sirikachorn Tangkawattana (Khon Kaen University, Thailand)	2. Canine Infectious Respiratory Disease Complex: Evidence of Emerging Virus in Thailand Assoc. Prof. Dr. Somporn Techangamsuwan/ Dr. Chutchai Piewbang (Chulalongkorn University, Thailand)	
15:00-16:00	Coffee break (2 <sup>nd</sup> Floor) and poster presentation and discussion Student Poster Competition Judging (Presenters should ensure to stand by their poster boards) Award committee: (Prof. Dr. Achariya Sailasuta, Dr. Barbara M. Martin, Dr. Craig N. Carter, Asst. Prof. Dr. Nlin Arya)				
	(	,,		15:30	

16:00-16:30	Room: Chiang Mai 1-2	Room: Chiang Mai 3	Room: Chiang Mai 4-5
	Moderator: Dr. Yaoprapa Mathura	Moderator: Dr. Chutchai Piewbang	A 3-Min Pitch Award & Best Student
	Secretary: Dr. Pakkanut Bansiddhi	Secretary: Dr. Kwanhatai Thongpalad	Oral Presentation Award
	African Swine Fever: Standard	VPH (oral presentation)	1.) A 3-Min Pitch Award on Novel
	Laboratory Diagnostics and	16:00-16:12	Laboratory Diagnosis Techniques
	Laboratory Networking in Asia	Assessment of Biosafety Capacity and	Moderator: Dr. Sirintra Sirivisoot
	Dr. Debbie Eagles	<b>Development Activities in Veterinary</b>	Secretary: Dr. Patchareeporn Ninvilai
	(Australian Animal Health Laboratory	Laboratories in Southeast and Southern	15:30-15:32
	(AAHL), Australia)	Asia	Introducing the committee
		Stuart Dean Blacksell	(Dr. Luis Gimenez-Lirola, Dr. Rutjawate
		16:13-16:25	Taharnklaew, Assoc. Prof. Dr. Panat
		The USA Animal Health Diagnostic	Anuracpreeda)
		Laboratory System and the Role of the	15:33-15:38
		American Association of Veterinary Laboratory Diagnosticians (AAVLD)	Improvement of the Performance
16:30-17:00		David Henry Zeman	Characteristics of Tilmicosin Using Nanotechnology-Based Drug Delivery
		16:26-16:38	System
			Nitwarat Ruennarong
		One Health: A Case Study of a Child Bitten by Stray Dogs in Doi Saket, Chiang Mai	15:39-15:44
		Sirithorn Surajinda	Innovative Technology for
		3	Decontamination of Campylobacter on
		16:39-16:51	Chicken Carcass
		Rapid Survey of <i>Dirofilaria repens</i> DNA	Torrung Vetchapitak
		from Biological Samples Using a Loop- Mediated Isothermal Amplification	15:45-15:50
		(LAMP) Assay	Cost Effective Easy Competitive ELISA
		Donato Antonio Raele	(CEE CELISA)

16:52-17:04

High Sero-Prevalance of Equine Trypanosomosis, Equine Infectious Anemia and Equine Piroplasmosis in a Herd of Semi-Wild Horses from North Argentina

Laurent Hébert

17:05-17:17

Increased Frequency of Related Culex-Borne West Nile and Usutu Viruses in France in 2018

Sylvie Lecollinet

17:18-17:30

Preliminary Data on Discrimination of Bacillus cereus Group Members by MALDI-TOF Mass Spectrometry

Domenico Galante

Sirithorn Surajinda

15:51-15:56

New Approach to Trap Cells in A Microwell Array – Filling and Dragging Technique

Phakpoom Yingprathanphon

15:57-16:02

MALDI-TOF MS for Identification of Pathogenic Bacteria in Animal

Cher-Un Limyada

16:03-16:08

Meet CIVTEST, HIPRA's Line of ELISA Diagnostic Kits

Merce Domenech

16:09-16:19

Announcement of the 3-Min Pitch Award

Winner

2.) Best Student Oral Presentation Award

**Moderator: Dr. Weerapong** 

Laovechprasit

Secretary: Dr. Kasem Rattanapinyopituk

16:20-16:22

Introducing the committee

(Assoc. Prof. Dr. Aranya Ponpornpisit, Dr. Barbara M. Martin, Prof. Dr. Naoaki Misawa, Asst. Prof. Dr. Nlin Arya)

16:23-16:35 **Comparison of PRRS Virus Isolation in Different Cell Lines** Wannarat Yim-im 16:36-16:48 Development of an Enzyme-Linked Apta-Sorbent Assay for the Detection of Influenza Antigen (Nucleoprotein) in **Field Samples** Cristina Aira Pino 16:49-17:01 **Serum Cortisol Variation in Arabian Racehorses During Their First Training** Season Olga Witkowska-Piłaszewicz 17:02-17:14 **Hair Follicle Penetration of Topical Applied Proretinal Nanoparticle Using Confocal Laser Scanning Microscopy** Benchaphorn Limcharoen 17:15-17:27 Investigation of Leukocytes in a **Contraction-Expansion Microchannel** Array—Trypan Blue, SEM and Wright's Stain Thammawit Suwannaphan

17:30-18:15	Room: Chiang Mai 1-2
	Fireside Chat with Thermo Fisher Animal Health
	Dr. Michael Zalunardo and Dr. James (Jim) Young
	(Thermo Fisher Scientific)
19:00-21:00	Room: Grand Hall
	Congress Dinner (Khan Toke – Northern Thai Cuisine)
	Congress Dinner (Khan Toke – Northern Thai Cuisine) & Best Poster/ Oral Presentation Awards & Best 3-Min Pitch Award (3rd Floor)

	Saturday 22 <sup>nd</sup> June 2019
	Room: Grand Hall
	Moderator: Assoc. Prof. Dr Aranya Ponpornpisit
	Secretary: Dr. Kwanhatai Thongpalad
8:45-9:15	Diagnostic Kits for Farm & Companion Animals: PCV2 Biosensor
	Dr. Annop Suriyasomboon
	(Chulalongkorn University, Thailand)
9:15-9:45	Innovation in Vaccine Technology for Swine Viral Infection
	Prof. Dr. Sanipa Suradhat
	(Chulalongkorn University, Thailand)

9:45-10:15	Genetic Manipulation of Swine Coronaviruses: Translation of Basic Science to Effective Vaccines
	Dr. Anan Jongkaewwattana
	(National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand)
10:15-10:45	Coffee Break and Exhibition
10:45-11:15	Applications of Next-generation Sequencing (NGS) and Molecular Evolution for Tracking of Animal Infections
	Dr. Pravech Ajawatanawong
	(Mahidol University, Thailand)
11:15-11:45	Validation and Use of Pen-Side PCR for Avian Influenza H7N9 and African Swine Fever
	Drs. Filip Claes and Ken Inui
	(Food and Agriculture Organization of the United Nations (FAO))
11:45-12:15	Regional Approach to Laboratory Capacity Building and Networking: the ASEAN and SAARC Example
	Dr. Filip Claes
	(Food and Agriculture Organization of the United Nations (FAO))
12:15-12:45	MC: Asst. Prof. Phatcharakran Intanaga
	Closing Ceremony
12:45-13:45	Lunch (Ground Floor)