

วันที่ 18/2/67

คณะเภสัชศาสตร์  
มหาวิทยาลัยอุบลราชธานี  
เลขที่ ๑๓  
วันที่ ๓ ม.ค. ๒๕๖๓  
เวลา ๑๔.๓๑

ที่ ๐๐๔/๒๕๖๒

วันที่ ๒๓ ธันวาคม ๒๕๖๒

เรื่อง ขอเรียนเชิญเข้าร่วมประชุมวิชาการนานาชาติ

เรียน คณะบดีคณะเภสัชศาสตร์ มหาวิทยาลัยอุบลราชธานี

สิ่งที่ส่งมาด้วย ๑. หนังสืออนุมัติการจัดประชุม  
๒. กำหนดการจัดประชุมวิชาการ

ด้วยสมาคมวิทยาศาสตร์สัตวทดลองแห่งประเทศไทยร่วมกับคณะสัตวแพทยศาสตร์ มหาวิทยาลัยมหิดล ศูนย์ความเป็นเลิศด้านชีววิทยาศาสตร์ (องค์การมหาชน) สถาบันวิจัยแห่งชาติ (องค์การมหาชน) และ AAALAC International จะจัดประชุมวิชาการนานาชาติ สมาพันธ์สมาคมวิทยาศาสตร์สัตวทดลองแห่งภูมิภาคเอเชีย ครั้งที่ ๙ “The 9<sup>th</sup> Asian Federation of Laboratory Animal Science Associations Congress (AFLAS Congress 2020)” ในหัวข้อเรื่อง “Asian Visions of Innovative Laboratory Animal Science to Improve Animal Welfare and Human Health” ระหว่างวันที่ ๒๒-๒๖ มิถุนายน ๒๕๖๓ ณ The Empress Hotel and Convention Center จังหวัดเชียงใหม่

ในการนี้ สมาคมวิทยาศาสตร์สัตวทดลองแห่งประเทศไทย ขอเรียนเชิญท่านและบุคลากรในสังกัดที่สนใจเข้าร่วมประชุมวิชาการดังกล่าว ทั้งนี้ข้าราชการ/พนักงานมหาวิทยาลัย/ลูกจ้าง/พนักงานรัฐวิสาหกิจสามารถเข้าร่วมประชุมโดยไม่ถือเป็นวันลาและมีสิทธิเบิกค่าลงทะเบียน ค่าเดินทาง และค่าใช้จ่ายอื่นๆ ตามระเบียบของทางราชการต้นสังกัดเมื่อได้รับอนุญาตจากผู้บังคับบัญชาแล้ว สามารถดูรายละเอียดการประชุมและรายละเอียดการลงทะเบียนได้ที่ <https://www.aflas2020.org/>.

จึงเรียนมาเพื่อโปรดทราบ และแจ้งบุคลากรในสังกัดทราบต่อไปด้วย จักเป็น

พระคุณยิ่ง

เรียน คณะบดี

- ส่งไปรองอธิการ
- สังกัดราชการ สัตวทดลองเขตนครเชียงใหม่
- รวบรวมข้อมูลไปส่งที่งานเภสัชฯ สภาเภสัช
- สังกัดกรม สัตวทดลองเขตนครเชียงใหม่
- วันที่ ๑ ก.พ. ๒๕๖๓ ๑๒.๒๖ ๑๙.๖๓ อ. จ. น. ๒๕๖๓

ขอแสดงความนับถือ

*(Signature)*

ปร: ทัศนพันธ์  
วันที่ ๑๖  
๖๒๐๖๓

(รองศาสตราจารย์ น.สพ. ปานเทพ รัตนกร)  
นายกสมาคมวิทยาศาสตร์สัตวทดลองแห่งประเทศไทย และ  
นายกสมาพันธ์สมาคมวิทยาศาสตร์สัตวทดลองแห่งภูมิภาคเอเชีย

(นางกฤษดา ดิษฐ์ วัฒนประคอง)

เจ้าหน้าที่บริหารงานทั่วไปชำนาญการ

*(Signature)*

*(Signature)*

๖๒.๑.๖๓



คณะสัตวแพทยศาสตร์ มหาวิทยาลัยมหิดล

โทรศัพท์ ๐ ๒๕๕๑-๕๒๓๕ โทรสาร ๐ ๒๕๕๑-๐๙๓๗

ที่ ขว ๗๙.๑๓๑/ปป๐๐๐๒๑

วันที่ ๑๓ ธันวาคม ๒๕๖๒

เรื่อง ขออนุมัติจัดประชุมวิชาการ

เรียน คณะบดีคณะสัตวแพทยศาสตร์

ด้วยคณะสัตวแพทยศาสตร์ มหาวิทยาลัยมหิดล ร่วมกับ สมาคมวิทยาศาสตร์สัตว์ทดลองแห่งประเทศไทย ศูนย์ความเป็นเลิศด้านชีววิทยาศาสตร์ (องค์การมหาชน) สถาบันวัคซีนแห่งชาติ (องค์การมหาชน) และ AAALAC International จะจัดประชุมวิชาการนานาชาติ "สมาพันธ์สมาคมวิทยาศาสตร์สัตว์ทดลองแห่งภูมิภาคเอเชีย ครั้งที่ ๙" The 9<sup>th</sup> Asian Federation of Laboratory Animal Science Associations Congress (AFLAS Congress 2020) ในหัวข้อเรื่อง "Asian Visions of Innovative Laboratory Animal Science to Improve Animal Welfare and Human Health" ระหว่างวันที่ ๒๒ - ๒๖ มิถุนายน ๒๕๖๓ ณ The Empress Hotel and Convention Center จังหวัดเชียงใหม่ นั้น

ในการนี้ จึงขออนุมัติดำเนินการ ดังนี้

๑. ขออนุมัติจัดประชุมวิชาการนานาชาติ "สมาพันธ์สมาคมวิทยาศาสตร์สัตว์ทดลองแห่งภูมิภาคเอเชีย ครั้งที่ ๙" The 9<sup>th</sup> Asian Federation of Laboratory Animal Science Associations Congress (AFLAS Congress 2020) ระหว่างวันที่ ๒๒ - ๒๖ มิถุนายน ๒๕๖๓ ณ The Empress Hotel and Convention Center จังหวัดเชียงใหม่

๒. ขออนุมัติเก็บค่าลงทะเบียนดังนี้

๒.๑ AFLAS Main Congress 2020

ประเภทการลงทะเบียน	ค่าลงทะเบียนราคาพิเศษ	ค่าลงทะเบียน	ค่าลงทะเบียนพนักงาน
ช่วงเวลาการลงทะเบียน	พฤศจิกายน ๒๕๖๒ - ๓๐ เมษายน ๒๕๖๓	๑ พฤษภาคม - ๓๑ พฤษภาคม ๒๕๖๓	๒๓ - ๒๖ มิถุนายน ๒๕๖๓
ผู้เข้าร่วมงานที่เป็นสมาชิกสมาคมวิทยาศาสตร์สัตว์ทดลองแห่งประเทศไทย	๖,๐๐๐ บาท	๗,๐๐๐ บาท	๘,๐๐๐ บาท
ผู้เข้าร่วมงานที่ไม่ได้เป็นสมาชิกสมาคมวิทยาศาสตร์สัตว์ทดลองแห่งประเทศไทย	๖,๕๐๐ บาท	๗,๕๐๐ บาท	๘,๕๐๐ บาท
นักเรียน / นักศึกษา	๕,๕๐๐ บาท	๕,๐๐๐ บาท	๕,๕๐๐ บาท

๒.๒ The Pre-congress

การลงทะเบียน	รับจำนวน/คน	ค่าลงทะเบียน	หมายเหตุ
วันที่ ๒๒ - ๒๓ มิถุนายน ๒๕๖๓ Workshop ๑ - Advanced IACUC Training International Perspective and Case Scenarios Discussion	๕๐	๔,๗๐๐ บาท	๒ days + Networking Lunch + Refreshment
วันที่ ๒๓ มิถุนายน ๒๕๖๓ Workshop ๒ - Minipigs Housing, care and welfare of Göttingen Minipigs	๕๐	๒,๒๐๐ บาท	Half day Morning + Networking lunch + Refreshment
วันที่ ๒๓ มิถุนายน ๒๕๖๓ Workshop ๓ - ICLAS: Practical Workshop: Tool Kits - Experimental Design in Preclinical Research Studies	๕๐	๒,๒๐๐ บาท	Half Day Morning + Networking lunch + Refreshment
วันที่ ๒๓ มิถุนายน ๒๕๖๓ Workshop ๔ - ICLAS: Animal Selection and Reporting for Rigor and Reproducibility	๕๐	๗๐๐ บาท	Half Day Afternoon + Refreshment
วันที่ ๒๓ มิถุนายน ๒๕๖๓ Workshop ๕ - A day with Zebrafish, the Fastest Growing Research Model	๕๐	๔,๔๐๐ บาท	๑ day + Networking Lunch + Refreshment
วันที่ ๒๓ มิถุนายน ๒๕๖๓ Workshop ๖ - Rodent Anesthesia	๒๔	๖,๕๐๐ บาท	๑ day + Networking Lunch + Refreshment

๓. ให้ข้าราชการ/พนักงานมหาวิทยาลัย/ลูกจ้าง/พนักงานรัฐวิสาหกิจของหน่วยงานต่างๆ เข้าร่วมประชุม โดยไม่ถือเป็นวันลา และมีสิทธิเบิกค่าลงทะเบียน ค่าเดินทาง และค่าใช้จ่ายอื่นๆ ตามระเบียบของทางราชการ

จึงเรียนมาเพื่อโปรดพิจารณาอนุมัติต่อไปด้วย จักเป็นพระคุณยิ่ง

๗๗๐๘ ๒๖๐๓๒๖

(ผู้ช่วยศาสตราจารย์ ดร. สัตวแพทย์หญิงศศิธร รุ่งอรุณเลิศ)

ผู้ช่วยคณบดีฝ่ายวิจัยและสร้างเครือข่าย

อนุมัติ

พ.ศ. ๒๕๖๓

พศ.ดร.สพ.ญ.วลาสินี ศักดิ์คำดวง

คณบดีคณะสัตวแพทยศาสตร์

วันที่ ๑๖ สิงหาคม ๒๕๖๓



# 9<sup>th</sup> AFLAS

## Chiang Mai 2020

The 9<sup>th</sup> Asian Federation of Laboratory Animal Science Associations Congress  
(AFLAS Congress 2020)

22 - 28 June 2020 | Chiang Mai, Thailand

### ✦ AFLAS Congress 2020 Educational and Scientific Program Overview (as of December 23, 2019)

On behalf of the TALAS Educational and Scientific Program Committee, it is our ultimate goal to meet all AFLAS Congress participants' expectation and the congress theme, *"Asian Visions of Innovative Laboratory Animal Science to Improve Animal Welfare and Human Health"*. We consider all of your roles and the importance of your contribution to the advancement of laboratory animal science. This is the main reason to have five separate tracks focusing on the unique roles of animal technicians/ managers, scientists, veterinarians, and the institutional animal care and use committee members through the entire conference.

### ✦ Complimentary Registration Gifts:

Please be sure to register well in advance to get a complimentary choice of "male or female Northern (Lanna) Thai style shirt or blouse" packed in a white cotton gift bag. The gift set will fit well with the "green" congress concept. We will offer the shirt and blouse to the first 700 "pre-registered participants" only. When register, please review the photos and the shirt or blouse sizes, and select the suitable size to fit you well. We will wear the shirts and blouses at the welcome ceremony and farewell activities.

### ✦ Educational and Scientific Program:

At this time, all the five-day congress schedules in the five rooms have been filled. We have more than 60 speakers from 20 countries committed to the program. Please click the program tabs: "Pre-Congress Program Activities" and "Main Congress Program" to view the tentative program tables. Short biography of all speakers is available, "Speakers" tab. The deadline for submission of abstracts for oral scientific papers and poster presentations will be April 15, 2020. Please be sure to submit your abstract timely! As there is limited time for oral scientific paper presentation, the committee will select the suitable ones and inform applicants.

### ✦ Conference Center:

The convention center building has three levels: the ground floor (registration), the second floor (Chiang Mai Ballrooms No. 1 to 5) and the third floor (exhibition hall). It will be convenient to stay at the Empress Hotel where is adjunct to the convention center and two other hotel buildings.

### ✦ Congress Program:

The program will be fantastic and includes pre-congress, main congress and post-congress activities respectively. As it will be "green congress", please bring your portable electronic devices such as Laptop or Tablet to download handout files of the presentations.



#### Congress Secretariat:

CMO Public Company Limited  
4/18-19 Soi Nuanchan 56, Nuanchan, Buengkum, Bangkok 10230 Thailand

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Email: [info@aflas2020.org](mailto:info@aflas2020.org)





# 9<sup>th</sup> AFLAS

## Chiang Mai 2020

The 9<sup>th</sup> Asian Federation of Laboratory Animal Science Associations Congress  
(AFLAS Congress 2020)  
22 - 28 June 2020 | Chiang Mai, Thailand

The Pre-congress program (June 22-23, 2020) has the following workshops:

1. 22 - 23 June 20: Advanced IACUC Training - International Perspective and Case Scenarios Discussion (organized by AAALAC International)
2. 23 June 20: Housing, care and welfare of Göttingen Minipigs (sponsored by Ellegaard Göttingen Minipigs)
3. 23 June 20 (morning): Practical Workshop: Tool Kits - Experimental Design in Preclinical Research Studies (sponsored by ICLAS)
4. 23 Jun 20 (afternoon, 2 hours): Animal Selection and Reporting for Rigor and Reproducibility (sponsored by ICLAS)  
This workshop will be followed by ICLAS General Assembly which is opened for any participants.
5. 23 Jun 20: A day with Zebrafish, the Fastest Growing Research Model (Sponsored by Tecniplast)
6. 23 Jun 20: Rodent Anesthesia Workshop (sponsored by Kent Scientific Corporation)

★ The main AFLAS Congress (June 24-26, 2020)

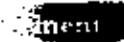
has "five tracks" organized concurrently in the five adjacent rooms (Chiang Mai Ballrooms 1 to 5). The topics are focusing on, "Global Issues, Veterinary Issues, Husbandry and Management, Current and Future Animal Models, and Research and Scientific Topics". Participants can easily stay in the track of their interest for the three days. The program schedule will be timely and participants can also freely switch between the rooms to listen their interested topics in other tracks. Some of the key topics are:

### Global Issues

- a. How accreditation improves animal welfare around the world and Pacific Rim region
- b. Research animal welfare - Global standards
- c. Research animal behavioral management - Practical approach
- d. Global perspectives on high quality research and reproducibility
- e. Reproducibility of data from animal research models - Practical approach
- f. Experimental Design and the Avoidance of Unnecessary Suffering
- g. Research animal transportation
- h. Nonhuman Primate Update on Biosafety Best Practices
- i. Zoo Animal Welfare Inspection and potential Accreditation
- j. A One Health Success Story



- a. Common research animal health monitoring updates – Current trends
- b. Research animals anesthesia – Asian situation
- c. Pain Management – Practical Approach and Research Applications In Asia Situation
- d. Animal Welfare Scoring and Humane Endpoints – Practical Approach
- e. Nonhuman Primate Pain & Distress Assessment
- f. Animal Biosafety Concepts and Emerging Diseases Response
- g. Training Physicians – What are the Veterinary Care Challenges?
- h. Nausea – an overlooked problem needing a treatment
- i. Nonhuman Primate Health & SPF Colony Management
- j. The Uniqueness of Mini pigs – Veterinary Issues
- k. Caring for cattle, poultry and horses as laboratory animals
- l. Overview of AVMA Guidelines for Euthanasia: 2020 Edition
- m. Humane euthanasia for research animals – Application for Asia
- n. Basic Euthanasia for Aquatics
- o. Round Table Discussion: Meeting Attending Veterinary Jobs (career development and common veterinary care issues solution)



- a. The Soft Skills are Hard!
- b. Animal Technician Training Opportunities
- c. Developing and Sustaining a Facility Based Training Program
- d. All about Mini pigs Management – Tip and Practices
- e. Social Housing of Rabbits – Are they social animals at all ages?
- f. Improve efficiency and workflow in Cage wash
- g. Managing Reptiles in Research
- h. How to use ICLAS Laboratory Animal Quality Network Updates in Asia
- i. Animal behavior and enrichment in Zoos
- j. Risk assessments and training program for high containment operations
- k. ABSL- 3 and 4 management and operations
- l. Improving Animal Welfare – Practical Refinements in the housing, care and use of research animals
- m. Outside and inside the Cage: Housing, Care and Responses
- n. Improving Animal Welfare – Essential Roles of Technicians
- o. Water Outage in a Large Rodent Facility – Issues, Actions and Lessons Learned
- p. Management of aquatics in a research environment
- q. Service Oriented “Lean” Management of a Modern Mouse Facility
- r. Why plastic cages become cloudy and criteria for selection and maintenance of rodent cages and related equipment
- s. Principles of cage washing and validation of a cycle
- t. Sustainable vivarium design
- u. Energy saving – Practical approach
- v. Day-to-day HVAC operation issues and preventive maintenance example

### Current and Future Animal Models

- a. Radionuclide use in rodents and large animals
- b. Next generation cancer immunotherapy - Where are we?
- c. Precision oncology - Role of mouse models
- d. Pathology of Laboratory Animal In Safety Assessment by Organ System
- e. Malaria treatment - Past and Present: Why It is complicated?\*
- f. Malaria models - Aotus Spp.
- g. Camelids (dromedary) as Current and Future animal models
- h. 'Cavefish' as an unusual aquatic model organism
- i. Enhancing Ethics & Promoting NHP Models In Biomedical Research
- j. Sheep as Models for Cardiovascular Diseases
- k. Humanized Models and Aged Mice
- l. Management of Aquatics In a Research Environment
- m. All about Zebrafish tips and techniques and their popular research use
- n. Zebrafish Diseases
- o. Zebrafish and *Xenopus laevis* - Tips for veterinarians
- p. Animal models for periodontal disease
- q. Wild desert rodents as animal models: Implication in biomedical research
- r. How will be Laboratory Animal Science In 2040? The trends in our science for the next 20 years

### Scientific Topics

- a. Scientific Papers Oral presentations
- b. Advanced Research and Technologies In P.R. China, Japan and Republic of Korea
- c. AMMRA & AMPC Sponsored Topics

### ★ The Post-Congress net-working activities (June 27-28, 2020)

have several semi-educational tour choices. The number of vans or buses will be limited, please register well in advance.

### ★ The Exhibition Hall

The Exhibition Hall is located in the third floor of the convention center and offers more than 50 exhibitors. The opening remarks, group photos and dinner; as well as farewell ceremony will be organized here. The conference room refreshment schedules for breaks will be slightly overlapped. The participants will gradually proceed to the exhibition hall where tea, coffee and refreshments will be offered.

### Empress Hotel and Convention Center

CHIANG MAI, THAILAND



Level 1: Registration and Luncheon



Level 2: Meeting Rooms



Level 3: Exhibition and Poster Boards

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TALAS



AFLAS

Tentative Program (as of 9 Dec 19)

**AFLAS Pre-Congress 2020 Program Overview**  
The Empress Hotel and Convention Center Chiang Mai, Thailand  
June 22 - 23, 2020

Dates	Ground Floor Activities/ Meeting Rooms	2nd Floor Chiang Mai Ballroom 1	2 <sup>nd</sup> Floor Chiang Mai Ballroom 2	2 <sup>nd</sup> Floor Chiang Mai Ballroom 3	2 <sup>nd</sup> Floor Chiang Mai Ballroom 4	2 <sup>nd</sup> Floor Chiang Mai Ballroom 5	Chiang Mai University Faculty of Veterinary Medicine, Surgical Laboratory
Pre-congress Monday June 22, 2020	Boardroom No. 3: ICLAS GB meeting (16 persons)						
Pre-congress Tuesday June 23, 2020 morning		Workshop 1 (2 days): Advanced IACUC Training - International Perspective and Case Scenarios Discussion Dr. Kathryn Bayne Dr. Leslie Reihm Dr. Dawit Rowlands Dr. Sanja (Saut) Chou Dr. Yuan-Ji (Eric) Day Dr. Yan Chang	Workshop 2 (morning, half day + lunch): Housing, Care and Welfare of Göttingen Minipigs (sponsored by Ellegaard Göttingen Minipigs) Dr. Kirsten R. Jacobsen Dr. Lot F. Mikkeben Dr. Jin Liu	Workshop 3 (Practical Workshop, morning, half day + lunch): Tool Kits - Experimental Design in Preclinical Research Studies (sponsored by ICLAS) Dr. Manuel Berday			
Pre-congress Tuesday June 23, 2020 afternoon	Boardroom No. 3: AFLAS Council meeting		Workshop 4 (Interactive Workshop, 2 hours with refreshments) sponsored by ICLAS: Animal Selection and Reporting for Rigor and Reproducibility (sponsored by ICLAS) Dr. Cynthia Pelow Dr. Cary Brayton  ICLAS General Assembly (1.5 hours)	Workshop 5 A day with Zebrafish, the Fastest Growing Research Model (Sponsored by Techniplast) Mr. Marco Brocca		Workshop 6 Rodent Anesthesia and Analgesia Workshop (sponsored by Kent Scientific Corporation): Dr. Chalawat Pacharnsak Dr. Patrick Sharp	

**\*\*Pre-registration is required\*\***

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TALAS



Tentative Program (as of 9 Dec 19)

**AFLAS Main Congress 2020 Program Overview**  
The Empress Hotel and Convention Center Chiang Mai, Thailand  
June 24, 2020

Days/ Tracks	2 <sup>nd</sup> Floor Chiang Mai Ballroom 1	2 <sup>nd</sup> Floor Chiang Mai Ballroom 2	2 <sup>nd</sup> Floor Chiang Mai Ballroom 3	2 <sup>nd</sup> Floor Chiang Mai Ballroom 4	2 <sup>nd</sup> Floor Chiang Mai Ballroom 5	3 <sup>rd</sup> Floor Exhibition Hall
	Global Issues	Veterinary Issues	Husbandry and Management	Current and Future Animal Models	Research and Scientific Studies	Exhibition
Wednesday June 24, 2020 09:00 - 12:00	<p>Why do we do research in animals? We are not done yet! (30 min) Dr. Cynthia Pelow</p> <p>How good nutrition improves animal welfare around the world and Pacific Rim Region (120 min) Dr. Kathryn Payne Dr. Manito Gattayooomhin Dr. Leslie Behnam Dr. Devi Rowland Dr. Sergio (Stout) Chou Dr. Van Chang Dr. Yuan-Ji (Eric) Day</p> <p>Morning Break (30 min, 10:15 - 10:45)</p>	<p>Common research Animal Health Monitoring Updates - Current Trends (60 min) Dr. Patricia Turner</p> <p>Differences between housing immune competent vs. immunodeficient mice (sponsored by The Jackson Laboratory) (30 min) Dr. Qing Wang</p> <p>Morning break (30 min)</p> <p>Animal Biosafety Concepts and Emerging Diseases Response (60 min) Dr. Nathaniel Powell</p>	<p>The Soft Skills are Hard! (45 min) Dr. Ann Turner</p> <p>Animal Technician Training Opportunities (45 min) Ms. Sally Werlake</p> <p>Morning break (30 min)</p> <p>Developing and Sustaining a Facility based training Program (45 min) Dr. Ann Turner and Ms. Sally Werlake</p> <p>QA and sharing experience (15 min)</p>	<p>Radionuclide Use in Rodents (45 min) Dr. Vanessa Jensen</p> <p>Radionuclide Use in Large Animals (45 min) Dr. Suzanne Craig</p> <p>Morning break (30 min)</p> <p>Precision Oncology - Role of Mouse Models (30 min) Dr. Rajesh Uthamanthil</p> <p>Next Generation Cancer Immunotherapy - Where are we? (30 min) Dr. John Gong</p> <p>Overcoming Challenges of Establishing Patient-derived Xenografts (30 min) Dr. Arvind Ingle</p>	<p>Selected Scientific Papers - Oral Presentation</p> <p>Morning Break (30 min)</p>	<p>Exhibition</p> <p>Poster Presentation</p> <p>Time schedule for Poster Presenters (Morning Break)</p> <p>Morning Break</p>
12:00 - 13:00	Buffet lunch location to be determined					
13:30 - 16:30	<p>Global perspectives - Achieving high quality research (45 min) Mr. Boney Reed</p> <p>Reproducibility of data from animal research models - Practical approach (45 min) Dr. John N. Norton</p> <p>Afternoon Break (30 min)</p> <p>Experimental Design and the Avoidance of Unnecessary Suffering (60 min) Dr. Manuel Beraly</p>	<p>Research Animals Anesthesia - Scenarios and Practical Approach (30 min) Dr. Chaldawat Pacharaisak</p> <p>Afternoon break (30 min)</p> <p>Training Physicians - What are the Veterinary Care Challenges? (30 min) Dr. Bryan E. Ogden</p> <p>Nausea - an overlooked problem needing a treatment (30 min) Dr. John Rutz</p>	<p>All about Minkigi Management - Tip and Practices (60 min) Dr. Las F. Mikkelsen Dr. Kristen R. Jacobsen</p> <p>Risk assessments and training program for high containment operations (45 min) Dr. Nathaniel Powell</p> <p>Afternoon Break (30 min)</p> <p>Social Housing of Rabbits - Are they social animals at all ages? (60 min) Dr. Jeff Wyatt</p>	<p>Pathology of Laboratory Animal In-Situ Safety Assessment by Organ System</p> <p>Use of Laboratory Animals in Nonclinical Safety Assessment (45 min) Dr. Yvonne Van Gezel</p> <p>Toxicologic Pathology by Organ System (45 min) Dr. Etzuko Ohta Dr. Renee H. Hutkinen</p> <p>Afternoon Break (30 min)</p> <p>Roles of Toxicologic Pathology (30 min) Dr. Etzuko Ohta Dr. Renee H. Hutkinen</p> <p>QA (30 min)</p>	<p>Selected Scientific Papers - Oral Presentation</p> <p>Afternoon Break (30 min)</p>	<p>Exhibition</p> <p>Poster Presentation</p> <p>Time schedule for Poster Presenters (Afternoon Break)</p> <p>Afternoon Break</p>
17:00 - 19:30						<p>AFLAS Congress Opening Ceremony and welcome remark by AFLAS President (Dr. Paritap Ratanakorn)</p> <p>Remark by WVA President (Dr. Patricia Turner) Remark by ICLAS President (Dr. Cynthia Pelow)</p> <p>Group photos: AFLAS Council members, AFLAS, ICLAS, WVA, APV, All Participants</p> <p>Welcome Reception and dinner (Traditional Northern Thai Street Food)</p>

Tentative Program (as of 9 Dec 19)

**AFLAS Main Congress 2020 Program Overview**  
The Empress Hotel and Convention Center Chiang Mai, Thailand  
June 25, 2020

Dates/Tracks	2 <sup>nd</sup> Floor Chiang Mai Ballroom 1	3 <sup>rd</sup> Floor Chiang Mai Ballroom 2	2 <sup>nd</sup> Floor Chiang Mai Ballroom 3	2 <sup>nd</sup> Floor Chiang Mai Ballroom 4	3 <sup>rd</sup> Floor Chiang Mai Ballroom 5	2 <sup>nd</sup> Floor Landmark Hall
	Global Issues	Veterinary Issues	Husbandry and Management	Current and Future Animal Models	Research and Scientific Studies	Exhibition
Thursday June 25, 2020 08:30 - 12:00	<p>Part 1. Research Animal Welfare - Global Standards</p> <p>Dr. Kathryn Bayne Dr. Patricia Turner Dr. Jeff Wyatt</p> <p>Quantifying the Culture of Care (30 min) Dr. Thierry Decelle</p> <p>Morning Break (30 min)</p>	<p>Pain Management - Practical Approach and Research Applications in Asia Situation (45 min) Dr. Chabawat Pachatrasakul</p> <p>Nonhuman Primate Health &amp; SPT Colony Management (sponsored by Association of Primate Veterinarians) (60 min) Dr. Louise Signolo</p> <p>Morning Break (30 min)</p> <p>Animal Welfare Scoring and Humane Endpoints - Practical Approach (30 min) Dr. Bryan E. Ogden</p> <p>Nonhuman Primate Pain &amp; Distress Assessment (sponsored by Association of Primate Veterinarians) (45 min) Dr. Lauren Drew Morth</p>	<p>Improve Efficiency and Workflow in Cage wash (30 min) Dr. Cynthia Lockworth</p> <p>Managing Reptiles in Research (30 min) Mr. Diana Baumann</p> <p>How to use ICLAS Laboratory Animal Quality Network Updates in Asia (45 min) Dr. Nobuhito Hayashimoto Dr. Atsushi Yoshida</p> <p>Morning Break (30 min)</p> <p>Opening and operating a brand new zebrafish care facility - tips, successes and lessons learned (30 min) Dr. Jeff Wyatt</p> <p>ABSL- 3 and 4 Management and Operation (45 min) Dr. Nathaniel Powell</p>	<p>Keynote Speaker Topic: Malaria Treatment - Past and Present: Why it is complicated? (60 min) Dr. Dennis E. Kyle</p> <p>Malaria Model - Achat spp. (45 min) Dr. Ann Stewart</p> <p>Morning Break (30 min)</p> <p>Comelids (dromedary) as Current and Future animal models (45 min) Dr. Cuguel Souleim</p> <p>'Coverfish' as an unusual aquatic model organism (30 min) Mr. Diana Baumann</p>	<p>Advanced Research and Technologies in Japan (sponsored by JALAS) (5 hours)</p> <p>Morning Break (30 min)</p>	<p>Exhibition</p> <p>Poster Presentation</p> <p>Time schedule for Poster Presenters (Morning Break)</p> <p>Morning Break</p>
12:00 - 13:30	Buffer Lunch location to be determined					
13:30 - 17:00	<p>Part 2. Research Animal Behavior Management - Practical Approach for the 21st century (45 min) Dr. Patricia Turner</p> <p>Managing different species and practical videos and discussion (45 min) Dr. Patricia Turner</p> <p>Afternoon break (30 min)</p> <p>Managing different species and practical videos and discussion (60 min) Dr. Jeff Wyatt</p> <p>Animal Behavior and Enrichment in Zoot (30 min) Dr. Neal Aziz</p>	<p>The Uniqueness of Minkipigs - Veterinary Issues (50 min) Dr. Lars F. Mikkelson Dr. Kristen R. Jacobson</p> <p>The Use of Pigs in Toxicology Testing (60 min) Dr. Rita Helle</p> <p>Afternoon Break (30 min)</p> <p>Caring for cattle, poultry and horses as laboratory animals (60 min) Dr. Marcus Utman</p>	<p>Training for Husbandry Supervisor of MIRC (30 min) Dr. Suzanne Craig</p> <p>Water Outage in a Large Rodent Facility - Issues, Actions and Lessons Learned (30 min) Dr. Cynthia Lockworth</p> <p>Service Oriented 'Lean' Management of a Modern Mouse Facility (30 min) Dr. Just Heppel</p> <p>Afternoon Break (30 min)</p> <p>Why plastic cages become cloudy and criteria for selection and maintenance of rodent cages and related equipment (sponsored by Tecniplast) (30 min) Mr. Carlo Demaldè</p> <p>Principles of cage washing and validation of a cycle (sponsored by Tecniplast) (30 min) Mr. Guglielmo Vignaro</p>	<p>Introduction sponsored by Association of Primate Veterinarians (15 min) Dr. Lauren Drew Morth</p> <p>Enhancing Ethics &amp; Promoting NHP Models in Biomedical Research (45 min) Dr. Louise Signolo</p> <p>Interpecies Scoring in Drug Discovery and Development (30 min) Dr. Rhat Khawawoof</p> <p>Morning Break (30 min)</p> <p>Sheep as Models for Cardiovascular Diseases (45 min) Dr. Chris J. Charis</p> <p>Humanized Models and Aged Mice (sponsored by the Jackson Laboratory) (45 min) Dr. Qiming Wang</p>	<p>Advanced Research and Technologies in P.R. China (sponsored by CALAS)</p> <p>Afternoon Break (30 min)</p>	<p>Exhibition</p> <p>Poster Presentation</p> <p>Time schedule for Poster Presenters (Afternoon Break)</p> <p>Afternoon Break</p>

Tentative Program (as of 9 Dec 19)

**AFLAS Main Congress 2020 Program Overview**  
The Empress Hotel and Convention Center Chiang Mai, Thailand  
June 26, 2020

Date/Time	2 <sup>nd</sup> Floor Chiang Mai Ballroom 1	2 <sup>nd</sup> Floor Chiang Mai Ballroom 2	3 <sup>rd</sup> Floor Chiang Mai Ballroom 3	2 <sup>nd</sup> Floor Chiang Mai Ballroom 4	2 <sup>nd</sup> Floor Chiang Mai Ballroom 5	3 <sup>rd</sup> Floor Exhibition Hall
	Global Issues	Veterinary Issues	Herbivory and Management	Current and Future Animal Models	Research and Scientific Studies	
Friday June 26, 2020 8:30 - 12:00	<p><b>Animal Rights Activism in Southeast Asia - Impact of Biomedical Research</b> (30 min) Dr. Bryan E. Ogden</p> <p><b>Northern Primate Update on Biocology and Best Practices</b> (sponsored by Association of Primates Veterinarians) (60 min) Dr. Jason Wilfong</p> <p>Morning Break (30 min)</p> <p><b>AZA (Association of Zoos &amp; Aquariums) Accreditation - The Five Opportunities</b> (45 min) Dr. Jeff Wyatt</p> <p><b>Zoo Animal Welfare Inspection and potential Accreditation</b> (45 min) Dr. Neel Aziz</p>	<p><b>Overview of AVMA Guidelines for Euthanasia 2020 Edition</b> (30 min) Dr. John N. Norton</p> <p><b>Humane Euthanasia for Research Animals - Application for Asia and Case Scenario Discussion</b> (60 min) Dr. Chaiwat Pacharasak Dr. Patrick Sharp</p> <p>Morning Break (30 min)</p> <p><b>CO<sub>2</sub> Euthanasia and related updates</b> (45 min) Dr. Patricia Turner</p> <p><b>Basic Euthanasia for Aquatics</b> (30 min) Dr. John N. Norton</p> <p><b>Q&amp;A</b> (15 min)</p>	<p><b>Moderator: Ms. Sarney Reed</b></p> <p><b>Improving Animal Welfare - Practical Refinements in the housing, care and use of research animals</b> (60 min) Ms. Sarney Reed</p> <p><b>Outside and Inside the Cage: Housing, Care and Responses</b> (60 min) Dr. Hanna-Maja Volpio</p> <p>Morning Break (30 min)</p> <p><b>Recognizing the Importance and value of animal technicians</b> (60 min) Mr. Ken Applebee</p>	<p><b>Management of Aquatics in a Research Environment</b> (60 min) Ms. Diana Baumann</p> <p><b>Xenopus Diseases</b> (45 min) Dr. Jill Keller</p> <p>Afternoon Break (30 min)</p> <p><b>Zebrafish Diseases</b> (60 min) Dr. Jill Keller</p> <p><b>Zebrafish and Xenopus laevis - Tips for veterinarians</b> (30 min) Dr. Cynthia Lockworth</p>	<p><b>Advanced Research and Technologies in Republic of Korea</b> (Sponsored topic by KALAS) (3 hours)</p> <p>Morning Break (30 min)</p>	<p><b>Exhibition</b></p> <p>Poster Presentation</p>
12:00 - 13:30	<p>Buffer Lunch location to be determined</p>					
13:30 - 17:00	<p><b>Round Table Discussion on Research Animal Transportation</b> (70 min) Dr. Sanjiv (Sanjeev) Chou (Moderator) Dr. Hui-Chun Chen Dr. Lauren Drew Martin Dr. Jason Wilfong Dr. Patrick Sharp</p> <p>Afternoon Break (30 min)</p> <p><b>Public Outreach</b> (45 min) Dr. Ann Turner</p> <p><b>A One Health Success Story</b> Dr. Jeff Wyatt (45 min)</p>	<p><b>Round Table Discussion: Meeting AV Idols (career development and common veterinary care issues edition)</b> (70 min) Dr. Nathaniel Polesel Dr. Cynthia Pellow Dr. John N. Norton Dr. Bryan E. Ogden Dr. Suzanne Craig Dr. Rajesh (Rajamathi) Dr. Renee Hultman Dr. Sherry Decelle Dr. Kaveera Jensen More...</p> <p>Afternoon Break (30 min)</p> <p><b>Zoo Animal Research Protocols and Veterinary Care Issues</b> (60 min) Dr. Neel Aziz</p>	<p><b>Ethical variables and the animal facility design</b> (45 min) Dr. Randal P. Reynolds</p> <p><b>Modern Vivarium Design - operational and sustainable</b> (45 min) Mr. Dennis fan</p> <p>Afternoon Break (30 min)</p> <p><b>Energy Saving - Practical Approach</b> (45 min) Dr. Vithana Khunatan</p> <p><b>Day-to-day HVAC Operation Issues and Preventive Maintenance Example</b> (45 min) Mr. Eakkapob Srichanman</p>	<p><b>National Dental Centre Singapore</b> (45 min) Dr. Nathanae Chancharonsak</p> <p><b>Animal models for periodontal disease</b> (30 min) Dr. No Yu</p> <p><b>Wild desert rodents as animal models: Implication in biomedical research</b> (45 min) Dr. Abdelouafi Benmouloud</p> <p>Afternoon Break (30 min)</p> <p><b>How will be Laboratory Animal Science in 2040? The trends in our science for the next 20 years.</b> (60 min) Dr. Marcel Fagbaf (Moderator) Dr. Chady Pellow Dr. Lynn Anderson</p>	<p><b>AMVRA &amp; AMPC Sponsored Topics: Advanced Research and Technologies</b> (3 hours)</p> <p>Afternoon Break (30 min)</p>	<p><b>Exhibition</b></p> <p>Poster Presentation</p>
17:30 - 20:00						<p>3 Poster Awards Presentation (Popular vote)</p> <p>Sponsor certificate AFLAS flag transfer Ceremony and Forewell</p> <p>AFLAS Congress 2020 Welcome Presentation and cultural show by KALAS (to be confirmed) (Refreshments sponsored by KALAS, to be confirmed)</p> <p>AFRIMS-TALAS Outstanding technician Award Presentation</p>