



The 12<sup>th</sup> TALAS International Conference  
5<sup>th</sup> – 7<sup>th</sup> June 2018

Advanced IACUC Training, Alternatives, Responsible Science and Microbiome Research  
\*\*All Presentations in English\*\*

Location: Silom Ballroom, Basement Floor  
Holiday Inn Bangkok Silom Hotel, Bangkok, Thailand

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Tuesday, 5<sup>th</sup> June 2018

Advanced IACUC Training and Current IACUC Issues  
“The Global Trends of Animal Welfare, Refinement Techniques, Improving Animal Protocols  
and Reproducibility of Results”

**Announcer and Speaker Introduction:** Dr. Sroisuda Chotimanukul and/or Dr. Kannika Siripattarapratvat

08:00 – 08:30 **Registration**

08:30 – 09:00 **Welcome address by the TALAS President, Dr. Parntep Ratanakorn**  
**Opening remark by Dr. Nares Damrongchai**  
*CEO, Thailand Center of Excellence for Life Sciences (TCELS)*

09:00 – 09:20 **AFRIMS – TALAS Exemplary Laboratory Animal Technician Award Ceremony**  
MG Mahattana Kamolsilp, MD (พลตรี มหัทธนา กมลศิลป์)  
*Director General, The Royal Thai Army-Armed Forces Research Institute of Medical  
Sciences (RTA-AFRIMS)*

**Moderator:** Dr. Montip Gettayacamin  
*Senior Director for Southeast Asia, AAALAC International*

09:20 – 09:30 **Group photo of all participants**

09:30 – 10:00 **Coffee/Tea/Snack Break and Visiting Exhibition**

10:00 – 11:00 **Keynote Topic: Responsible Science – Improving Animal Protocol**  
Dr. Patricia V. Turner, MS, DVM, DVSc, DACLAM, DABT, DECAWBM  
*Corporate Vice-President, Global Animal Welfare  
Charles River, Wilmington, USA*

**Moderator:** Mr. Barney Reed  
*Senior Scientific Manager, Research Animals Department, RSPCA, UK*

11:00 – 11:30 **Reducing Impacts on Animals – Refining Scientific Procedures, Animal Housing and  
Care for Rodents and Rabbits**  
Mr. Barney Reed, BSc, MSc  
*RSPCA, UK*

**Moderator:** Dr. Hou-Chun Chen  
*IACUC Member, NPUST, Taiwan ROC*

11:30 – 12:00 **Special Issues of IACUC in Large Academia – Team Approach**

Dr. Suzanne Craig, DVM, DACLAM, MBA  
*Professor & Chair, Department of Comparative Medicine  
Director, Division of Laboratory Animal Resources  
Medical University of South Carolina, Charleston, South Carolina, USA*

**Moderator:** Dr. Hou-Chun Chen  
*IACUC Member, NPUST, Taiwan ROC*

12:00 – 13:30 **Lunch & Networking with members from other institutions**

**Limited seats are available and family style set lunch will be provided at the tables. At registration, please select the preferred relevant IACUC role that you would like to join, i.e. Institutional Officials (IO) IACUC Chairpersons, IACUC Administrators or Secretary, Veterinarians, Scientists, Non-scientific or Public members, Biostatisticians, Occupational Health and Safety Personnel, Facility Managers, Engineers, Animal Technicians, or AAALAC International staff/Council members/ad hoc Specialists**

13:30 – 14:15 **Harm-Benefit Analysis – Case Scenarios**

Mr. Barney Reed, BSc, MSc  
*Senior Scientific Manager, Research Animals Department  
Royal Society for the Prevention of Cruelty to Animals (RSPCA), UK*

**Moderator:** Dr. Montip Gettayacamin  
*Senior Director for Southeast Asia, AAALAC International*

14:15 – 15:00 **Euthanasia of Animals – Minimizing Suffering**

Mr. Barney Reed, BSc, MSc  
*RSPCA, UK*

**Moderator:** Dr. Thattawan Kaewsakhorn  
*Director, Chiang Mai University Laboratory Animal Center*

15:00 – 15:30 **Coffee/Tea/Snack Break and Visiting Exhibition**

15:30 – 16:30 **Interactive Workshop on “Laboratory Animal Behaviors – Practical Approach to Enhance Animal Well-being”**

Dr. Hou-Chun Chen, PhD  
*IACUC Member and Animal Resource Advisory Board Member, National Pingtung University of Science and Technology (NPUST), Taiwan ROC*

**Moderator:** Dr. Maskiet Boonyareth  
*Senior Professional veterinarian, Thai NIH*

16:30 – 17:00 **Pain-related Protocol Issues – How to Ensure Animal Welfare**

Dr. Cholawat Pacharinsak DVM, PhD, DACVAA  
*Assistant Professor and Director of Veterinary Anesthesia, Pain Management and Surgery  
Department of Comparative Medicine, Stanford University School of Medicine, CA, USA*

**Moderator:** LTC Christine Ege  
*Chief, Department of Veterinary Medicine, United States Army Medical Directorate, Armed Forces Research Institute of Medical Sciences (USAMD-AFRIMS)*

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**Wednesday, 6<sup>th</sup> June 2018**

**Alternatives, Refinement Techniques, Animal Models and Current Issues**

**Announcer and Speaker Introduction:** Dr. Sroisuda Chotimanukul and/or Dr. Kannika Siripattarapivat

08:00 – 09:00 **Registration**

09:00 – 10:00 **Keynote Topic: The Global Status and Trends of Alternatives to the OECD Regulated Animal Testing**

Dr. Pinpin Lin, Ph.D, DABT

*Associate Director, Certified Toxicologist of TSTA*

*National Institute of Environmental Health Sciences*

*National Health Research Institutes, Zhunan, Taiwan ROC*

**Moderator:** Dr. Chuleratana Banchonglikitkul

*IACUC Member, Faculty of Science, Mahidol University*

10:00 – 10:30 **Coffee/Tea/Snack Break and Visiting Exhibition**

10:30 – 11:00 **The OECD's Adverse Outcome Pathway Program – Application Example: Skin Sensitization Test**

Dr. Pinpin Lin, Ph.D, DABT

*Associate Director, Certified Toxicologist of TSTA*

*National Institute of Environmental Health Sciences*

*National Health Research Institutes, Zhunan, Taiwan ROC*

**Moderator:** Dr. Maskiet Boonyareth

*Senior Professional veterinarian, Thai NIH*

11:00 – 12:00 **Popular Human Disease Models Using Göttingen Minipigs**

Dr. Lars Friis Mikkelsen, DVM, MLAS, EMBA

*CEO, Ellegaard Göttingen Minipigs, Dalmose, Denmark*

**Moderator:** Dr. Nipon Chattipakorn

*Professor, Director, Cardiac Electrophysiology Research and Training Center*

*Faculty of Medicine, Chiang Mai University (CMU), Thailand*

12:00 – 12:30 **Sponsored Topic by NYR: Why our plastic cages become cloudy? How long should the cage last? Criteria for Selection and Maintenance of Rodent Cages and Related Equipment!**

Mr. Carlo Demaldé, BE (Mechanical Engineering)

*Regional Sales Manager for South East Asia/MEA/Eastern Europe, Tecniplast, Italy*

**Moderator:** Dr. Thattawan Kaewsakhorn

*Director, Chiang Mai University Laboratory Animal Center*

12:30 – 13:30 **Buffet Lunch**

13:30 – 14:00 **Pig Models for Medical Devices Training**

Dr. Nipon Chattipakorn, MD, PhD

*Professor, Director, Cardiac Electrophysiology Research and Training Center*

*Faculty of Medicine, CMU, Thailand*

*IACUC Chairperson, CMU*

**Moderator:** Dr. Lars Friis Mikkelsen

*CEO, Ellegaard Göttingen Minipigs, Dalmose, Denmark*

14:00 – 14:45 **Common Rodent Health Conditions – Practical Tips for Identification and Management**

Dr. Cynthia Lockworth, DVM, DACLAM

*Associate Professor of Comparative Medicine*

*Department of Veterinary Medicine and Surgery, MD Anderson Cancer Center, Houston, Texas, USA*

**Moderator:** Dr. Suzanne Craig

*Professor & Chair, Department of Comparative Medicine*

*Director, Division of Laboratory Animal Resources*

*Medical University of South Carolina*

14:45 – 15:30 **Alternatives in Rodent Health Monitoring - Replacing the Sentinels**

Dr. Patricia V. Turner, MS, DVM, DVSc, DACLAM, DABT, DECAWBM

*Corporate Vice-President, Global Animal Welfare*

*Charles River, Wilmington, USA*

**Moderator:** Dr. Navakanit Sachanonta

*Attending Veterinarian, Thai NIH*

15:30 – 16 .00 **Coffee/Tea/Snack Break and Visiting Exhibition**

16:00 – 16:30 **How to set up and Maintain Patient-derived Xenograft (PDX) Colony in IVCs**

Dr. Vanessa Jensen, DVM, DACLAM

*Associate Professor and Deputy Chair, Department of Veterinary Medicine and Surgery*

*MD Anderson Cancer Center, Houston, Texas, USA*

**Moderator:** Dr. Suzanne Craig

*Professor & Chair, Department of Comparative Medicine*

*Director, Division of Laboratory Animal Resources*

*Medical University of South Carolina*

16:30 – 17:00 **Lean Management for Laboratory Animal Facilities – MUSC Examples**

Dr. Suzanne Craig, DVM, DACLAM, MBA

*Professor & Chair, Department of Comparative Medicine*

*Director, Division of Laboratory Animal Resources*

*Medical University of South Carolina, Charleston, South Carolina, USA*

**Moderator:** Dr. Montip Gettayacamin

*Senior Director for Southeast Asia, AAALAC International*

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**Thursday, 7<sup>th</sup> June 2018**

**Dengue Models, Rodent Models and Microbiome Research**

**Announcer and Speaker Introduction:** Dr. Sroisuda Chotimanukul and/or Dr. Kannika

08:00 – 09:00 **Registration**

09:00 – 10:30 **Keynote Topic: All about Dengue Viruses, Vectors and Animal Models – Why it is complicated?"**

COL Louis R. Macareo, MD, JD, MPH

*Chief, Department of Virology*

*United States Army Medical Directorate, Armed Forces Research Institute of Medical Sciences (USAMD-AFRIMS), Bangkok, Thailand*

Dr. Piyanate Sunyakumthorn, PhD

*Chief, Immunohistochemistry and Molecular Pathology*

*Department of Veterinary Medicine, USAMD-AFRIMS*

Collaborator: Dr. Alongkot Ponlawat, PhD

*Chief, Vector Biology and Control Section*

*Department of Entomology, USAMD-AFRIMS*

**Moderator:** LTC Christine Ege

*Chief, Department of Veterinary Medicine, USAMD-AFRIMS*

10:30 – 11:00 **Coffee/Tea/Snack Break and Visiting Exhibition**

11:00 – 12:00 **Choosing the Best Mouse Model**

Dr. Patrick Sharp; DVM, MRCVS, DACLAM

*Chief Executive Officer, Animal Resources Authority*

*Adjunct Professor, School of Veterinary and Life Science, Murdoch University, Perth, Western Australia*

**Moderator:** Dr. Cholawat Pacharinsak DVM, PhD, DACVAA

*Assistant Professor and Director of Veterinary Anesthesia, Pain Management and Surgery*

*Department of Comparative Medicine, Stanford University School of Medicine, CA, USA*

12:00 – 12:45 **Panel Discussion: High Quality Laboratory Animal Research and Testing Services in Thailand** (some presentations will be in Thai for Thai audiences)

**Moderator:** Dr. Parntep Ratanakorn

**Speakers:** Representatives from the following institutes (5-10 min each):

**1. USAMD-AFRIMS, AAALAC International accredited since 1999  
(Presentation in English and Thai)  
LTC Christine Ege and Dr. Rawiwan Im-erbsin**

**2. National Laboratory Animal Center (NLAC), Mahidol University  
AAALAC International accredited since 2013  
Dr. Surachai Chantip**

**3. Thai Institute of Scientific and Technological Research (TISTR)**

Dr. Wipaporn Phatvej

**4. Chulalongkorn University Laboratory Animal Center (CULAC)**

Dr. Thanis Damrongwatanapokin

**National Primate Research Center of Thailand-Chulalongkorn University  
(NPRCT-CU)**

Dr. Suchinda Malaiwijitnond

12:45 – 14:00 **Buffet lunch**

14:00 – 16:15 **Panel Discussion: The New Trend – Microbiome and Gnotobiotic Research**

**Moderator:** Dr. Suzanne Craig

- **Gut Microbiome Research – A New Frontier (25 min)**

Dr. Patricia V. Turner, MS, DVM, DVSc, DACLAM, DABT, DECAWBM

*Corporate Vice-President, Global Animal Welfare*

*Charles River, Wilmington, USA*

- **Microbiome Research – Setting up and Maintaining Gnotobiotic Program (50 min)**

Dr. Suzanne Craig, DVM, DACLAM, MBA

*Professor & Chair, Department of Comparative Medicine*

*Director, Division of Laboratory Animal Resources*

*Medical University of South Carolina (MUSC), Charleston, South Carolina, USA*

Collaborator: *Dr. Caroline Westwater, PhD*

*Director of the Gnotobiotic core, MUSC*

- **Setting up Gnotobiotic System Using IVCs (15 min)**

Dr. Vanessa Jensen, DVM, DACLAM

*Associate Professor and Deputy Chair, Department of Veterinary Medicine and Surgery*

*MD Anderson Cancer Center, Houston, Texas, USA*

- **Gut Microbiome Research - Potential Pitfalls (15 min)**

Dr. Patricia V. Turner, MS, DVM, DVSc, DACLAM, DABT, DECAWBM

*Corporate Vice-President, Global Animal Welfare*

*Charles River, Wilmington, USA*

**Panel Discussion and Q&A (30 min): All speakers**

16:15 – 16:30 **Coffee/Tea/Snack Break and Visiting Exhibition**

16:30 – 17:00 **Annual TALAS General Assembly Meeting** (TALAS members)

Moderator: Dr. Wantanee Ratanasak, *Secretariat, TALAS*

17:00 – 17:15 **Closing Remark**

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