



The 12th TALAS International Conference
5th – 7th June 2018
Advanced IACUC Training, Alternatives, Responsible Science and Microbiome Research
****All Presentations in English****

Location: To be determined Hotel, Bangkok, Thailand

Tuesday, 5th 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: To be determined

08:00 – 08:30 Registration

08:30 – 09:00 **Welcome address by the TALAS President, *Dr. Parntep Ratanakorn***
Opening Ceremony by To be determined

09:00 – 09:20 **AFRIMS – TALAS Exemplary Laboratory Animal Technician Award Ceremony**
 MG Peerapol Pokpong, MD
*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, DAACLAM, DABT, DECAWBM
*Corporate Vice-President, Global Animal Welfare
 Charles River, Wilmington, USA*

Moderator: Mr. Barney Reed

11:00 – 11:30 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)*

11:30 – 12:00 Euthanasia of Animals – Minimizing Suffering

Mr. Barney Reed, BSc, MSc

*Senior Scientific Manager, Research Animals Department
Royal Society for the Prevention of Cruelty to Animals (RSPCA), UK*

Moderator: Dr. Thattawan Kaewsakhorn

Director, Chiang Mai University Laboratory Animal Center

12:00 – 13:30 Lunch & Networking by Participants' Responsible Categories

13:30 – 14:30 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

14:30 – 15:00 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

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

16:30 – 17:00 **Reducing Impacts on Animals – Refining Scientific Procedures, Animal Housing and Care for Rodents and Rabbits**

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

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

Wednesday, 6th June 2018

Alternatives, Refinement Techniques, Animal Models and Current Issues

Announcer and Speaker Introduction: To be determined

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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 – 13:30 Lunch Topic (sponsored 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

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, 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 **Highlights of Popular JAX Rodent Models**

To be determined
The Jackson Laboratory

Moderator: To be determined

Thursday, 7th June 2018

Dengue Models, Rodent Models and Microbiome Research

Announcer and Speaker Introduction: to be determined
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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

Department of Veterinary Medicine, 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 **Model selection - Choosing the Mouse Line for Your Research**

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 – 13:30 Lunch Topic

To be determined

13:30 – 15:45 **Panel Discussion: The New Trend – Microbiome and Gnotobiotic Research**

Moderator: Dr. Suzanne Craig

- **The Promise of Gut Microbiome Research (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, Charleston, South Carolina, USA
- **Setting up Gnotobiotic System Using IVCs (15 min)**
Dr. Vanessa Jensen, DVM, DACLAM
Associate Professor, Veterinary Medicine and Surgery
MD Anderson Cancer Center, Houston, Texas, USA
- **Potential Pitfalls of Microbiome Research (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

15:45 – 16:00 **Coffee/Tea/Snack Break and Visiting Exhibition**

16:00 – 16:30 **Annual TALAS General Assembly Meeting** (TALAS members)
Moderator: Dr. Wantanee Ratanasak, *Secretariat, TALAS*

16:30 – 16:45 **Closing Remark**
