

# FFTC-TLRI Symposium on Innovation and Application of Animal Vaccines and Health- Promotion Feed Additives for Antibiotic-Free Era in Livestock Industry

November 11-12, 2021  
Cisco Webex Meeting Room /  
FFTC Facebook Broadcast

## Program

Time (GMT+8)	Topic
<b>11 November (Thursday) 2021</b>	
<b>08:30-09:00</b>	<b>Registration</b> <b>Emcee:</b> Mr. Ronald Mangubat, FFTC
<b>09:00-09:30</b>	<b>Open Remarks</b> Dr. Jeng-Fang Huang, Director General, TLRI, Taiwan Dr. Su-San Chang, Director, FFTC Dr. Chi-Chung Chen, Minister, Council of Agriculture, Taiwan (TBC) Prof. Jer-Liang Yeh, Executive Secretary, Office of Science and Technology, Executive Yuan, Taiwan (TBC) Dr. Ravi Khetarpal, Executive Secretary, APAARI
<b>09:30-10:50</b>	<b>Keynote (20 mins + 5 mins Q &amp; A per speaker)</b> <b>Moderator:</b> Dr. Jeng-Fang Huang, TLRI, Taiwan
09:30-09:55	<b>Current Situation and Future Prospects of Antibiotic-Resistant Bacteria Derived from Animals</b> Dr. Masaru Usui, Associate Professor, Department of Veterinary Medicine, Rakuno Gakuen University, Japan
09:55-10:20	<b>Development of Antibiotic Alternative Strategies to Enhance Antibiotic Resilience and to Reduce Economic Losses Due to Poultry Enteric Infections</b> Dr. Hyun Lillehoj, Research Molecular Biologist, U.S. Department of Agriculture, U.S.A.
10:20-10:50	<b>Introduction of the Key Feed Additive Explored in the Health Promotion Project Taiwan (2018-2021)</b> Dr. Churng-Faung Lee, Deputy Director, Taiwan Livestock Research Institute, COA, Taiwan  <b>Application of Reverse Vaccinology in Animal Vaccine Development</b> Dr. Jiunn-Horng Lin, Vice President, Agricultural Technology Research Institute, Taiwan  <b>(12.5 mins per speaker; 5 mins Q &amp; A)</b>
<b>10:50-11:00</b>	<i>Break (10 mins)</i>
<b>11:00-12:00</b>	<b>Session 1 – Animal Vaccines</b> <b>Session 1-1 Moderator:</b> Dr. Jiunn-Horng Lin, ATRI, Taiwan
11:00-11:15	<b>Eye-Drop Vaccination - A Better Way to Induce Good Immune Response</b> Dr. Happy K. Shieh, Professor & Chairman, Department of Veterinary Microbiology, National Chung Hsing University, Taiwan

11:15-11:30	<b>Biosecurity Strategies to Enhance Vaccine Efficiency in Swine Farms</b> Dr. Shu-Hwae Lee, Adjunct Assistant Professor, School of Veterinary Medicine, National Taiwan University, Taiwan
11:30-11:45	<b>An Oral Vaccine for Mycoplasmal Pneumonia of Swine: Use of <i>Erysipelothrix rhusiopathiae</i> as a Mucosal Delivery Vector</b> Dr. Yoshihiro Shimoji, Manager, Division of Infectious Animal Disease Research, National Agriculture and Food Research Organization, Japan
11:45-12:00	Q & A (15 mins)
<b>12:00-13:00</b>	<b>Lunch (60 mins)</b>
<b>13:00-14:00</b>	<b>Session 1 – Animal Vaccines</b> <b>Session 1-2 Moderator:</b> Dr. Zeng-Weng Chen, ATRI, Taiwan
13:00-13:15	<b>Efficacy of Plantaricin as an Alternative Antimicrobial Peptide to Major Pathogen of GI Tract Infection in Production Animals</b> Dr. Huda S. Darusman, Head, Primate Animal Study Center, IPB University, Indonesia
13:15-13:30	<b>Disease Diagnosis, Molecular Characterization of Livestock and Poultry Pathogens and Vaccine Development in the Philippines</b> Dr. Dennis V. Umali, Associate Professor, College of Veterinary Medicine, University of the Philippines, Philippines
13:30-13:45	<b>New Generation Recombinant Vaccine Development: from Idea to the Product (Using Newcastle Virus Vaccine of Genotype VII as the Model)</b> Dr. Ai-Ping Hsu, Associate Researcher, Animal Health Research Institute, COA, Taiwan
13:45-14:00	Q & A (15 mins)
<b>14:00-14:10</b>	<b>Break (10 mins)</b>
<b>14:10-15:10</b>	<b>Session 2 – Feed Additives</b> <b>Session 2-1 Moderator:</b> Dr. Yih-Fuw Lin, TLRI, Taiwan
14:10-14:25	<b>R &amp; D of Functional Phytochemicals for Food Animals</b> Dr. Wen-Chin Yang, Research Fellow, Agricultural Biotechnology Research Center, Academia Sinica, Taiwan
14:25-14:40	<b>The Application of Omics in the Development of Feed Additives</b> Dr. Yu-Chun Lin, Associate Researcher, Animal Nutrition Division, Taiwan Livestock Research Institute, COA, Taiwan
14:40-14:55	<b>The Potentials as Animal Feeds of the Residues of Cassava Pulp After Fermentation by Non-Conventional Yeasts</b> Dr. Yoshinori Murata, Senior Researcher, Biological Resource and Post-Harvest Technology Division, Japan International Research Center for Agricultural Sciences, Japan
14:55-15:10	Q&A (15 mins)
<b>15:10-16:10</b>	<b>Session 2 – Feed Additives</b> <b>Session 2-2 Moderator:</b> Dr. Kuei-Son Sheu, ICLPST, Taiwan

15:10-15:25	<b>Alternatives of AGP (Antibiotic Growth Promoters) in Feed</b> Dr. Gary Chiang, Technical Manager, J. John Co., Taiwan
15:25-15:40	<b>Introduction to Feed Control Act in Taiwan</b> Dr. Pei-Mei Chen, Technical Specialist, Council of Agriculture, Taiwan
15:40-15:55	<b>Use of Feed Additives in Malaysia and Update of Relevant Regulations</b> Dr. Noraini B. Samat, Deputy Director, Livestock Science Research Center, Malaysian Agricultural Research and Development Institute, Malaysia
15:55-16:10	Q & A (15 mins)
<b>16:10–16:20</b>	<i>Break (10 mins)</i>
<b>16:20-17:00</b>	<b>General Discussion Moderators</b> Dr. Su-San Chang, Director, FFTC Dr. Jeng-Fang Huang, Director General, TLRI, Taiwan
<b>17:00</b>	<b>Close</b>
<b>12 November (Friday) 2021</b>	
<b>09:30-11:10</b>	<b>Session 3 – Private Sector Intro</b> <b>Moderator</b> Dr. Chih-Li Sun, TIER, Taiwan
09:30-09:45	<b>Commercialization Experience of Rotam-CS for Poultry</b> Mr. Frank Wong, Vice General Manager, Rotam Animal Health Limited
09:45-10:00	<b>Public-Private Cooperation-Taking the Development of <i>Bacillus</i> Products for Feed Addition as an Example</b> Mr. Chein-Fu Chen, General Manager, Symlong Bio-tech Co. Ltd.
10:00-10:15	<b>Application of <i>Scutellaria baicalensis</i> Extract in Soothing Animal Atopic Dermatitis and Assisting in Wound Healing</b> Dr. Chen-Hsuan Lee, General Manager, YoHoo Co. Ltd
10:15-10:30	<b>Feeding Multi-Strain Probiotics Improved Carcass Traits and Meat Quality in Pigs</b> Dr. Fang Chi, Chief Operation Officer, Syn Biotech Inc.
10:30-10:45	<b>Application of Immunotherapy in Swine Vaccines</b> Dr. Chia-Jung Chang, Chief Technology Officer, Reber Genetics
10:45-11:10	Q & A
<b>11:10</b>	<b>Closing remarks by:</b> Dr. Jeng-Fang Huang, Director General, TLRI, Taiwan Dr. Su-San Chang, Director, FFTC

**Note:**

1. Video-based workshop tool: Cisco
2. PPT and full papers (10 pages) will be collected before the symposium and a handout of key messages of each presentation will be prepared in English and Chinese and distributed during symposium. The handout can be translated to other languages as well.
3. Speakers need to stay on-line for her/his presentation, Q&A and session discussion.

4. The symposium requires online registration and participant information (name, contact and affiliation)
5. Symposium event will be recorded and accessible online after the symposium.