

Asia Pacific Symposium on Food Safety

**Hosted by International Association for Food Protection and
Korean Society of Food Hygiene and Safety**

Nov 11-13 (Wed-Fri) 2009

**Seoul KyoYuk MunHwa HoeKwan
Seoul, Korea**

Nov 11 (Wed)

Room *Daegeum*

Workshop I

I. Quantitative Modeling for Microbial Risk Assessment (MRA)

- a. Vijay K. Juneja, USDA
- b. Tom Ross, University of Tasmania

Room *Bipa*

Workshop II

II. Principles and Application of Real Time PCR

Chairperson: (Korea) Kwang-Won Hong (Dongguk U)

14:00 ~ 14:30 Principles of Real Time PCR

- (Korea) **Kwang-Won Hong** (Dongguk University)

14:30 ~ 15:00 Application of Real Time PCR

- (Korea) **Yong-Suk Nam** (Kogenbiotech Co. LTD.)

15:00 ~ 18:00 Demonstration of Real Time PCR

- (Korea) **Taiwan Koo** (LSK)

Special Session Advanced Risk Assessment of Melamine and its Analogues

Organized by National Institute of Food and Drug Safety Evaluation

09:00 ~ 09:15 Opening Address

- (Korea) Seung Hee Kim (NIFDS)

09:40 ~ 09:30 Congratulatory Remarks

- (Korea) Yong Ho Park (KoSFos)

Chairperson: (Korea) Kwang Ho Lee (NIFDS)

09:30 ~ 10:20 Risk Assessment of Melamine and its Analogues: Outcome of WHO Expert Meeting, Implication of the Melamine Incident and Further Plans

- (Switzerland) Angelika Tritscher (WHO)

10:20 ~ 11:10 Melamine-contaminated Milk Incident in China - Epidemiological Studies

- (China) Xu Dong Jia (CCDCP)

11:10 ~ 11:20 Coffee Break

11:20 ~ 12:10 Risk Assessment Activities of ILSI Korea and International Cooperation for Improvement of Food Safety in Northeast Asia Region

- (Korea) Myeong Ae Yu (ILSI)

12:10 ~ 13:10 Networking Luncheon

Chairperson: (Korea) Cheri Ho Lee (Korea University)

13:30 ~ 14:20 Current Surveillance on Children's Renal Toxicity related Melamine Incident in China

- (China) Ying Shen (Beijing Children's Hospital)

14:20 ~ 15:00 Toxicity of Co-administered Melamine and Cyanuric Acid

- (Korea) Sue Nie Park (NIFDS)

15:00 ~ 15:40 Threshold Assessment of the Urinary Crystal Formation and Nephrotoxicity for Melamine and Mixture of Melamine and Cyanuric Acid

- (Korea) Sang Hee Jeong (NVRQS)

15:40 ~ 15:50 Coffee Break

15:50 ~ 16:30 Ongoing Activities on the National Food Safety Surveillance Systems for Prompt Responses to Incidents like Melamine

- (Korea) Mun Gi Sohn (KFDA)

16:30 ~ 17:10 Suggestion of Risk Management Direction based on Current Risk of Melamine and its Analogues

- (Korea) Hyo Min Lee (NIFDS)

17:10 ~ 17:30 Closing Address

- (Korea) Kwang Ho Lee (NIFDS)

Nov 12 (Thu)

Room *Guhmoongo Hall A, B, C*

09:00 ~ 09:40 Opening Ceremony & Welcoming Address

Welcoming & Opening Address :

- **Chairman, Organizing Committee of Regional IAFP**
- **Minister, Ministry for Food, Agriculture, Forestry and Fisheries**
- **Commissioner, Korea Food and Drug Administration**
- **President, International Association for Food Protection (IAFP)**
- **President, Korean Society of Food Hygiene and Safety**

Invited Plenary

Chairperson: (Korea) Cheri Ho Lee (Korea University)

09:40 ~ 10:30 Global issues in Food safety: the Present and Future Perspectives IAFP

- (USA) **Richard H. Linton** (Purdue University)

**10:30 ~ 11:20 Control and Management of Major Foodborne Pathogen
: International Tendency**

- (Korea) **Yong-Ho Park** (Seoul National University)

11:20 ~ 12:10 Food Safety Risk Assessment from the International Perspective

- (Switzerland) **Angelika Tritscher** (WHO)

12:10 ~ 13:10 General Meeting/Networking Luncheon

Session I Hazards and Risk Assessment in Food

Chairperson: (Korea) In-Gyun Hwang (KFDA)
(USA) Ewen Todd (MSU)

13:10 ~ 13:50 Microbiological Hazards and Their Control - a Western Perspective

- (USA) **Ewen Todd** (Michigan State University)

13:50 ~ 14:20 Risk Management of Agricultural Products in R.O Korea

- (Korea) **Byung Hong Park** (Ministry for Food, Agriculture, Forestry and Evaluation)

14:20 ~ 14:50 Future Research Direction to Improve Risk Assessment Methodology of Chemicals in Food

- (Korea) Myung **Sin Choi** (National Institute of Food and Drug Safety Evaluation)

14:50 ~ 15:10 Coffee Break

15:10 ~ 15:50 Modeling for Quantitative Microbial Risk Assessment:

- (Australia) **Tom Ross** (University of Tasmania)

15:50 ~ 16:30 Risk Assessment and Control of *Listeria spp.* in a Chicken Plant in Thailand

- (Thailand) **Suwimon Keeratipibul** (Chulalongkorn University)

Industry Session I

Organized by BioMerieux Korea

Chairperson: (Korea) Deog-Hwan Oh (KNU)

16:30 ~ 17:10 Maximizing the Value of Quality Indicator Testing - TEMPO",

- (USA) **Stan BAILEY** (IAFP)

17:10 ~ 17:50 Applications of Rapid Molecular Typing in the Food Industry

- (USA) **Nuno REIS** (BioMerieux Asia-Pacific)

17:50 ~ 18:20 Automated rep-PCR for Rapid Genotyping of Major Foodborne Pathogen Strains

- (Korea) **Kunho SEO** (Konkuk University)

18:30 ~ Welcome Reception

Session II Detection of Hazards

Chairperson: (Korea) Hyang Sook Chun (KFRI)
(USA) Arun K. Bhunia (Purdue U)

13:10 ~ 13:40 Toxicogenomic Analysis for Environmental Risk and Food Safety Assessment

- (Korea) **Man Bock Gu** (Korea University)

13:40 ~ 14:20 Molecular Approaches to the Routine Identification and Characterization of Foodborne Pathogen

- (USA) **Arun K. Bhunia** (Purdue University)

14:20 ~ 15:00 The Development of a Real Time E coli 0157:H7 Assay

- (USA) **George Tice** (DuPont Qualicon)

15:00 ~ 15:20 Coffee Break

15:20 ~ 16:00 China Microbiology Standards Updates

- (China) **Liu Xiumei** (China MOH)

16:00 ~ 16:40 Food Allergen Research to Support Standard Setting

- (Canada) **Samuel B. Godefroy** (Health Canada)

16:40 ~ 17:20 Immunoassay of Chemicals as Screening Methods for Food Safety

- (Russia) **Sergei A. Eremin** (Moscow University)

17:20 ~ 17:50 Advances of Pesticide Residue Analysis in Food

- (Korea) **Jeong-Han Kim** (Seoul National University)

18: 30 ~ Welcome Reception

Session III Food-borne Virus

Chairperson: (Korea) Sang-Do Ha (CAU)
(Korea) Chang-Soon Choi (CAU)
(USA) Myung L. Kim (U Illinois)

13:10 ~ 13:40 Viral Infection in Foods

- (Korea) **Kwang-Pyo Koh** (Seoul National University)

13:40 ~ 14:20 Surveillance for Gastroenteritic Viruses and Trend of Norovirus Epidemic in Japan

- (Japan) **Shinichi Kobayashi** (Aichi Prefectural Institute of Public Health)

14:20 ~ 15:00 Molecular Approaches for Foodborne Viral Detection

- (USA) **Doris Dsouza** (Tennessee University)

15:00 ~ 15:20 Coffee Break

15:20 ~ 15:50 Management Trends on Foodborne Virus in Korea

- (Korea) **Soon-ho, Lee** (KFDA)

15:50 ~ 16:30 Discovery of Effective Norovirus Disinfectant

- (USA) **Myung L. Kim** (University of Illinois at Urbana-Champaign)

Industry Session II

Organized by Nong-shim Food Company

Chairperson: (Korea) OOO (OOOOOOO)

16:30 ~ 17:10 Formation and Prevention of Toxic Chemicals During Food Processing

- (USA) **Takayuki Shibamoto** (UC Davis)

17:10 ~ 17:40 New Emerging Toxic Compounds Found in Korean Traditional Foods

- (korea) **Kwang-Geun Lee** (Dongguk University)

17:40~ 18:10 Design of Disinfecting Process for Dehydrated Green Onion Using Optimized Citrus Complex Combined with Physical Parameters

- (korea) **Jun-Hwan Ryang** (Food Safety Research Institute, Nongshim Food Company)

18: 30 ~ Welcome Reception

Nov 13 (Fri)

Room *Guhmoongo Hall A, B, C*

Invited Plenary

Chairperson: (Korea) Duck-Hwa Chung (GSU)

08:40 ~ 09:30 Microbial Food Safety in EU
- (Germany) **Wilhelm Holzapfel**
(Handong WCU, President, International Committee on Food Microbiology and Hygiene)

09:30 ~ 10:20 **Asian Food Safety System : Focus on the Asian Ethnic foods**
- (Japan) **Kazuki Kanazawa** (Kobe University)

10:20 ~ 10:40 **Coffee Break**

Room *Guhmoongo Hall A*

Session IV Control Hazards

Chairperson: (Korea) Kwang-Keun Lee (Dongguk U)
(USA) **John N. Sofos** (CSU)

10:40 ~ 11:20 **Quantitative Risk Analysis for Food Safety**
- (Greece) **Panos Skandamis** (Aristotle University)

11:20 ~ 11:50 **Fault Tree Analysis for Food Safety**
- (Korea) **Seung Ju Lee** (Dongguk University)

11:50 ~ 12:20 **Use of High Dose Irradiation as a Decontamination Technology to Ensure the Microbiological Safety of Foods of Animal Origin Foods**
- (Korea) **Yohan Yoon** (Korea Atomic Energy Research Institute)

12:20 ~ 13:20 **Networking Luncheon**

13:20 ~ 14:00 **Intervention Strategies to Control Food Pathogen**
- (USA) **John N. Sofos** (Colorado State Univ)

14:00 ~ 14:30 **Inactivation of Food Pathogen**
- (Korea) **Sang-Ryeol Ryu** (Seoul National University)

ILSI Session: Threshold and Food Safety Risk Assessment

Organized by Korea ILSI and AFFiS

14:30~14:40 Opening Remark

- Cher-Ho Lee (President of ILSI Korea)

14:40~14:50 Welcome Address

- Soon Eun Jeon (AFFiS, Korea)

Chairperson: (Korea) 000 (0000000)

14:50~15:20 Overview on ILSI Global Threshold Project

- (USA) Mary Alice Smith (University of Georgia, USA)

15:20~15:50 Cases of Chemical Contaminants Risk Assessment in China

Using Total Diet Study Data

- (China) Yongning Wu (Institute of Nutrition & Food Safety, Chinese Centre for Disease Control and Prevention)

15:50~16:20 Quantitative Microbial Risk Assessment and Risk Management of Foodborne Pathogens: Indian Perspective

- (India) Nimish Shah (Hindustan Unilever Research Center)

16:20~16:30 Coffee Break

Chairperson: (Korea) 000 (0000000)

16:30~17:00 Water Safety Assessment : Prospects and Challenges

- (Japan) Takashi Togami (ILSI Japan Center for Health Promotion)

17:00~17:30 Quantitative Microbial Risk Assessment and Risk Communication in Southeast Asia Region

- (Singapore) Mathew Lau (Recommended by ILSI Southeast Asia Region)

17:30~18:00 Toxicological Food Safety and Threshold

- (Korea) Sang-Hee Jeong (Korea National Veterinary Research & Quarantine Service)

Question & Answers

Session V. Food Antimicrobials and Their Application

Chairperson: (Korea) Sun-Young Lee (CAU)
(USA) Vijay K. Juneja (USDA)

- 10:40 ~ 11:20 Overview of Natural Antimicrobials for Application in Foods**
- (USA) **Vijay K. Juneja** (USDA)
- 11:20 ~ 12:00 The Natural Antimicrobial Activity of Vegetable Fermentation**
- (USA) **Fred Breidt** (North Carolina State University)
- 12:00 ~ 12:30 Application of Plant-derived Antimicrobials for Food Safety**
- (Korea) **Sun Chul Kang** (Daegu University)
- 12:30 ~ 13:30 Networking Luncheon**
- 13:30 ~ 14:10 Acid Food Fight: Mechanisms and Regulation of *E. coli* Acid Resistance**
- (USA) **John Foster** (University of South Alabama)
- 14:10 ~ 14:50 Isolation and Characterization of Antibiotic-resistant Gram-negative Pathogens from Catfish and Imported Shrimp in USA**
- (USA) **Kidon Sung** (FDA NCTR)
- 14:50 ~ 15:30 Combined Treatment with Natural Food Antimicrobials**
- (Japan) **Bari ML** (National Food Research Institute)

Industry Session III

Organized by Institute of Sunchang Fermented Soybean Products

Chairperson: (Korea) Myung-Kon Kim (Chonbuk National University)

- 15:30 ~ 16:00 Research of Safety for Production of Fermented Soybean Products**
- (Korea) **Do-Youn Jeong** (Institute of Sunchang Fermented Soybean Products)
- 16:00 ~ 16:30 Screening of Non-toxic Microbes from Traditional Fermented Soybean Products and Their Industrial Application**
- (Korea) **Tai Boong Uhm** (Chonbuk National University)
- 16:30 ~ 16:50 Coffee Break**
- 16:50 ~ 17:20 Use of Bacteriophage to Control Harmful Microorganisms**
- (Korea) **Kwang Pyo Kim** (Jeju National University)

Session VI Emerging Issues in Food Toxicology

Organized by Korean Society of Toxicology

Chairperson: (Korea) Byung-Hoon Lee (SNU)
(Japan) **Tohru Inoue** (NIHS)

10:40 ~ 11:10 Lipidomics of Food Nutrients for Innate Immunity

- (Korea) **Jooyoung Lee** (Gwangju Institute of Science and Technology)

11:10 ~ 11:40 Emerging Toxic Mycotoxins in Food

- (Korea) **Hwan-Soo Yoo** (Chungbuk National University)

11:40 ~ 12:10 Current Status of Food Molecular Toxicology

- (Korea) **Hoonjeong Kwon** (Seoul National University)

12:10 ~ 12:50 Benzene-induced Myeloidleukemia Revisited, with or without Food-derived Prevention

- (Japan) **Tohru Inoue** (National Institute of Health Sciences)

12:50 ~ 13:50 Networking Luncheon

Session VII Food Safety of Animal Origin

Organized by National Veterinary Research and Quarantine Service and MIFAFF

Chairperson: (Korea) Kyung-Sun Kang (SNU)
(USA) Keith A. Lampel (FDA)

13:50 ~ 14:30 BSE Surveillance in the USA Since 2003 : A Testing Laboratory Perspective

- (USA) **Tim Baszler** (Washington State University)

14:30 ~ 15:10 BSE in Europe; Risk Management Measures and Risk Communication

- (Switzerland) **Ulrich Kihm** (Safe Food Solutions Inc., CEO)

15:10 ~ 15:50 Global Perspective of Foodborne *Salmonella* Outbreaks

- (USA) **Keith A. Lampel** (Division of Microbiology, Food and Drug Administration)

15:50 ~ 16:00 Coffee Break

16:00 ~ 16:40 Molecular Ecology of *Listeria monocytogenes*

: Transmission Dynamics, Persistence and Food Attribution of *Listeriosis*

- (USA) **Kendra K. Nightingale** (Colorado State University)

16:40 ~ 17:10 The Strategies of Application for Microbial Risk Assessment on Livestock Products in Korea

- (Korea) **Gyung-Jin, Bahk** (Kunsan University)

17:10 ~ 17:40 Global trends in Safety Management System for Animal-origin Food : HACCP

- (Korea) **Joo-Yeon, Lee** (Korea Livestock Products HACCP Accreditation Service)

Technical Session (Oral Presentation by Young Scientist)

01-10 TBA*

* To be announced