Science Symposium on Smart Eating
Harnessing Innovative Approaches & New Technologies for Health and Sustainability
April 23, 2019, Sheraton Imperial Kuala Lumpur, Malaysia

**Program**

07:30 – 08:30 hr **Registration**

08:30 – 08:45 hr **Introduction and Welcome**
Mrs. Boon Yee Yeong, Executive Director, ILSI SEA Region, Singapore
Dr. E-Siong Tee, President, Nutrition Society of Malaysia (NSM)

**KEYNOTE**

**Chairperson:** Mr. Geoffry Smith
President, ILSI SEA Region, Singapore

08:45 – 09:20 hr **Human Variation in Response to Food and Nutrients – Exploring a Path to Smart Eating for Personalized Health and Nutrition**
Emeritus Prof. Richard Head, The University of South Australia

09:20 – 09:55 hr **Smart Eating & The 4th Industrial Revolution: Harnessing New and Innovative Technologies for Nutritious and Sustainable Foods**
Prof. Purwiyatno Hariyadi, Bogor Agricultural University (IPB), Indonesia

09:55 – 10:05 hr **Q&A**

10:05 – 10:25 hr **Morning Refreshment Break**

**SESSION 1: What is Smart Eating? Strategies and Opportunities in Charting our Nutritional Wellbeing**

**Co-Chairpersons:** Prof. Norimah A. Karim
Honorary Secretary, NSM and Professor, Universiti Kebangsaan Malaysia
Dr. Emorn Udomkesmalee
Associate Professor, Institute of Nutrition, Mahidol University (INMU), Thailand

Dr. Chor San Khoo, ILSI North America, USA

10:50 – 11:15 hr **Targeting Smart Eating Goals through Innovative Tools and Behavior Nudge**
Dr. Gilly Hendrie, CSIRO Food and Nutritional Sciences, Australia

11:15 – 11:40 hr **Harnessing Smart Devices to Optimize Human Performance**
Assoc. Prof. Jason Lee, National University of Singapore

11:40 – 12:05 hr **Smart Eating through an Evolution of Nutritional and Functional Enhancement of Food and Ingredients**
Dr. Anadi Nitithamyong, INMU/Food Science and Technology Association of Thailand (FoSTAT), Thailand

12:05 – 12:30 hr **From Nations of “Makan Nasi” to “No-Carb”? Recalibrating the Trend and Perception of Asia’s Grain**
Dr. Cecilia Cristina Santos-Acuin, International Rice Research Institute, Philippines

12:30 – 12:50 hr **Q&A**

12:50 – 13:50 hr **Lunch and Networking**
SESSION 2: Smart Eating
Perspectives on Agri-Food Processing Technologies, Safety and Sustainability

Chairperson: Dr. Stéphane Vidry
Director of Operations, ILSI Governance and Coordination, USA

13:50 – 14:15 hr
MYSaveFood – Agri-tech and Behavior Approaches to Tackling Food Loss and Reducing Waste for Sustainable Future
Dr. Ainu Husna MS Suhaimi, Malaysian Agricultural Research and Development Institute

14:15 – 14:40 hr
The Role of AI and Innovative Technologies in Agri-Food Industry – Transforming Food System and Enhancing Nutrition Security
Prof. Yandra Arkeman, IPB, Indonesia

14:40 – 15:05 hr
Next Generation Sequencing for Food Safety – Public Health Benefits and Food Industry Application
Dr. Lay Ching Chai, University of Malaya, Malaysia

15:05 – 15:30 hr
Re-Shaping a Generation’s Food Behavior – The ‘Disruptors’ of Food E-Commerce and How Best to Regulate
Dr. Kai Zhong, China Food Information Center, People’s Republic of China

15:30 – 15:50 hr
Q&A

15:50 – 16:10 hr
Afternoon Refreshment Break

SESSION 3: Ideation & Innovation for Health & Sustainability – Science to Market

Chairperson: Dr. Yen Ling Low
Area Center Director, R&D, Abbott Nutrition R&D Center for Asia Pacific, Singapore

16:10 – 16:25 hr
Precision Technologies & Blockchain for My Spinach
Mr. Daniel Wong, CrowdFarmX, Singapore

16:25 – 16:40 hr
Fermentation Technology for Nutrient Recovery from Soybean Residues
Dr. Jaslyn Lee, Nanyang Technological University, Singapore

16:40 – 16:55 hr
Innovation for Aging Population
A Multi-Discipline Approach for Innovative Functional Food
Dr. Dunyaporn Trachootham, INMU, Thailand

16:55 – 17:10 hr
Disruptive Food Innovation Challenges - Creating Safer and Personalized Puree Meals with 3D Food Printing
Ms. Gladys Wong, Khoo Teck Puat Hospital, Singapore

17:10 – 17:25 hr
Q&A

PANEL DISCUSSION

Chairperson: Dr. E-Siong Tee
Scientific Director, ILSI SEA Region, Malaysia

17:25 – 17:55 hr
• Consumers’ perception and acceptance on use of new technologies in food and the food chain
• Multi-stakeholder partnerships in the advancement of new technologies in smart eating and eating sustainably

17:55 – 18:00 hr
Closing Remarks

Organizers

Collaborator