

# 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**

*Mr. Geoffry Smith, President, ILSI SEA Region, Singapore  
Dr. E-Siong Tee, President, Nutrition Society of Malaysia (NSM)*

### KEYNOTE

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 4<sup>th</sup> Industrial Revolution: Harnessing New and Innovative Technologies for Nutritious and Sustainable Foods**

*Prof. Purwiyatno Hariyadi, Bogor Agricultural University, 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**

10:25 – 10:50 hr

**The Art and Science of Smart Eating – What, Why and How?**

*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, Institute of Nutrition, Mahidol University (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

- 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, Bogor Agricultural University, 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

- 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

- 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**

\*The Program is subjected to changes by the Organizers.

### Organizers



### Collaborator

