

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

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, 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

