

# Transformation Technologies and Translational Research



ILSI  
Southeast  
Asia Region



A New Era in Advancing Sustainable Food System and Public Health Solutions

April 23, 2018 • Grand Copthorne Waterfront Hotel, Singapore



Rapid technological advancement over the past decade in the areas of biomedicine, agriculture, food and nutritional sciences, and the translational research of these emerging technologies, presents exciting possibilities for positive impact on the overall food system, the environment and for human health and disease prevention.

## Objectives

This symposium will:

- > Highlight new technology used in agriculture and the food supply chain, environmental science, and health and biomedical research
- > Explore the use of bioinformatics and other innovative digital technologies to capture and analyze data in food systems and public health research
- > Provide a platform to discuss and enhance multi-stakeholder partnerships in the advancement of new technologies and their applications

## Program Highlights

### An Evolutionary Perspective on Nutritional Science and Human Health: From Reductionism to System Approaches

Prof. Richard Head, UniSA, Australia

### Technology Innovation: Trends that are Reshaping Life Science Research and Approaches to Food and Human Health

Dr. Chor San Khoo, ILSI North America, USA

### Innovations in Agriculture and Food and Implications for Nutrition and Precision Health

Dr. Christopher Downs/Prof. Lynne Cobiac, CSIRO, Australia

### New Agricultural Technologies for Sustainable Food Systems and Nutrition Improvement in ASEAN

Prof. Paul Teng, NTU/NIE, Singapore

### Data Science and Analytics: Blockchain and its Application in the Food Supply Chain

Ms. Zelda Anthony, IBM ASEAN, Singapore

### Harnessing Emerging Technologies in Nutrition and Biomedical Science for Public Health Improvement

Prof. Christiani Jeyakumar Henry, CNRC, A\*STAR/NUHS, Singapore

### Advances in Antioxidant Research: Translation from Bench to Applications

Prof. Barry Halliwell, NUS/A\*STAR, Singapore

### Translational Genomics and Potential of Genome Editing Tools in Preventative Health and Diseases

Prof. Meng How Tan, GIS, A\*STAR, Singapore

### Food Integrity, Safety and Regulatory Compliance in the New Tech-Driven Food Supply and Delivery System

PwC, Singapore

### Next-Generation and Whole-Genome Sequencing: Opportunities and Challenges for Food Safety Management

Dr. Masami Takeuchi, FAO RAP, Thailand

### Novel Computational Approaches for Assessing the Allergenic Potential of Proteins for the Food Industry

Dr. Sebastian Maurer-Stroh, BII, A\*STAR, Singapore



## Who Should Attend

Food, agriculture, nutrition and healthcare professionals from industry, academia, government, research organizations and technology providers

## Symposium Fee and Registration

The symposium fee is **S\$280** per person, inclusive of symposium materials, lunch and tea breaks.

To register and for more information, visit <http://ilsisea-region.org/event/transformationtech2018/>

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