



ILSI Southeast Asia Region  
20<sup>th</sup> Anniversary Science Symposium

Perspectives & New Horizons  
– Food and Nutrition Sciences  
for the 21<sup>st</sup> Century

April 16, 2013 • 1pm – 6pm  
Ballroom 1, Hilton Singapore

**BACKGROUND**

The science of food and nutrition is moving rapidly. Nutrigenomics is helping us to understand the basis for individual responses to dietary factors. Studies have increasingly shown that nutrients and foods, together with the gut microbiota, can interact with the genome causing marked changes in gene expression, as well as the development of and response to diseases. This new knowledge is expected to bring about changes in the development and implementation of dietary guidelines, going beyond food and nutrient intake recommendations at country and population levels. Their design would need to reflect the best diets and available foods that optimize health, which individuals can adapt to meet their genomic and lifestyle profiles. Novel foods will likely be developed to meet the demands of this new science. This, in turn, requires new technologies and measures to ensure the sustainability and safety of our food supply in meeting future trends towards more personalized diets.

**PROGRAM**

1.00pm – 1.45pm	<b>Registration</b>
1.45pm – 2.00pm	<b>Welcome and Opening Remarks</b> <i>Mrs. Boon Yee Yeong, Executive Director, ILSI SEA Region</i> <i>Mr. Geoffry Smith, President, ILSI SEA Region</i>
2.00pm – 2.40pm	<b>Gene-Nutrient Interaction – Challenges and Opportunities for Personalized Nutrition</b> <b>Developing N=1 Translational Research Strategies</b> <i>Dr. Jim Kaput, Nestle Institute of Health Sciences, Switzerland</i>
2.40pm – 3.20pm	<b>The Wanderings of a Free Radical – Assessing Antioxidants and Their Impact on Health and Disease</b> <i>Prof. Barry Halliwell, National University of Singapore, Singapore</i>
3.20pm – 3.50pm	<b>Tea Break</b>
3.50pm – 4.20pm	<b>Beyond Gut Feelings – Findings from the 10-City ‘Asian Gut Microbiome’ Project on School Children</b> <i>Prof. Yuan Kun Lee, National University of Singapore, Singapore</i>
4.20pm – 4.50pm	<b>Dietary Guidelines: Scientific Process, Challenges and Lessons Learnt from Australia and the US in the Past Decade</b> <i>Dr. David Roberts, Roberts Consulting, Australia</i>
4:50pm – 5:20pm	<b>Dietary Guidelines – How Effective and What Strategies for SE Asian Populations in Nutrition and Lifestyle Transitions?</b> <i>Prof. Geok Lin Khor, International Medical University, Malaysia</i>
5.20pm – 5.50pm	<b>Beyond 2015: Harnessing New Technologies for Sustainable and Safe Food Supply for the ASEAN Community</b> <i>Prof. Purwiyatno Hariyadi, Bogor Agricultural University, Indonesia</i>
5.50pm – 6.00pm	<b>Closing Remarks</b>