



*Preliminary notice of a conference*

## ***ILSI SEAR Australasia and CSIRO***

***in conjunction with the University of SA Business School***

**Human variability in response to food and nutrients:  
building the bridge to personalised nutrition -**

**challenges and opportunities for industry,  
public health and academia**

**Date:** 14 and 15 May 2019

**Venue:** Stamford Plaza Sydney Airport  
Cnr Robey and O'Riordan Streets  
Mascot, Sydney, NSW 2020

In collaboration with the  
University of South Australia Business School





## **Human variability in response to food and nutrients: building the bridge to personalised nutrition -**

**the challenges and opportunities for industry, public health and academia**

### **Objective:**

To explore the nature of individual human variation in response to food choice and nutrient intake, and how that may initiate a new era of opportunity for personalised nutrition.

Population based studies in food and nutrition have been essential in contributing to overall human wellbeing. However improved understanding of 'individual human variation' in nutrient requirements has awaited advancements in nutrigenomics and the mathematical and social sciences. For example, the 'omics sciences (genomics, proteomics, metabolomics)' are providing new insight and understanding that can be applied to personalised nutrition with the ambitious objective of one-to-one product design.

Meet with leading global and regional experts who will present the latest science and discuss business implications and consider the regulatory environment for personalised nutrition with a focus on improved health and performance outcomes.

### **The conference will:**

1. Consider the evidence and nature of variability in human nutrition requirements and metabolic response
2. Review current understanding of variation in the human genome with potential impacts on population and personal nutrition
3. Address the integration of the 'omics sciences' and insights from medical studies which have led to an increased understanding of personalised health
4. Consider the potential implications for consumers and food supply
5. Discuss how the regulatory environment may need to evolve and adapt to the changing world of personalisation
6. Provide the opportunity to engage in discussion around the translation of these recent developments into a new scientific paradigm.

**Human variability in response to food and nutrients:  
building the bridge to personalised nutrition -  
challenges and opportunities for industry, public health and academia**

**Speakers include:**

David Zeevi PhD - Rockefeller University, USA

Prof John C. Mathers, Newcastle University

Prof Lynne Cobiac - CSIRO

Dr Pramod Gopal - New Zealand Institute for Plant & Food Research Ltd

Prof David Bishop - Victoria University

Prof Deb White - SA Health & Medical Institute

Dr Elisabeth Huynh - Australian National University

Prof David Cameron-Smith - University of Auckland

Dr Nathan O'Callaghan - Precision Health Future Science Platform, CSIRO

Prof Sandra Capra, University of Queensland

Dr Flavia Fayet-Moore - Nutrition Research Australia

Mr Glen Neal - FSANZ

**This forward-looking programme is designed to spearhead discussion for the broader food, health and wellness industry, 'omics science professionals', nutritionists, dietitians, clinicians, regulators and public health officials.**

**Join us in learning in from other health focussed disciplines already deep in this area!**

**Register your interest now with ILSI SEAR Australasia to ensure you receive the full program and registration form as soon as available – by emailing your request to [admin@ilsi.org.au](mailto:admin@ilsi.org.au).**