

## **Epigenetics: linking nutritional, hereditary and environmental aspects of human health**

### **Session Description**

Presently areas of molecular nutrition are rapidly implemented in science and the accelerated development of functional foods often addresses specific molecular targets. Progress in genomics, transcriptomics and proteomics enables an improved understanding of individual analysis of dispositions, risks and potentially a future more personalized nutrition.

### **Session Chair & Co-Chair**

Chair: Jongjit Angkatavanich , Chulalongkorn University, Thailand

Co chair: Alexander G Haslberger, Univ. of Vienna, Austria

### **Session Topics and Speakers**

**Keynote 1:** *Diet, epigenetics and cancer*

**Speaker:** Sharon Ross, NIH/NCI, USA

**Keynote 2:** *Personalized nutrition, Epigenomics: a basis for understanding individual differences (TBC)*

**Speaker:** Professor John C. Mathers, Human Nutrition Research Centre, University of Newcastle, United Kingdom

### **Short presentations**

**Topic 1:** *Genetic epidemiology and epigenetics (working title)*

**Speaker:** Boccia S., Cath., University of Sacred Heart, Rome, Italy

**Topic 2:** *Dietary factors and the emerging role of epigenetics in neurodegenerative diseases*

**Speaker:** Lucia Migliore, Dipartimento di Scienze dell'Uomo e dell'Ambiente Università di Pisa, Italy

**Topic 3:** *Hormone status and epigenetic regulation (working title)*

**Speaker:** Despina Komninou, Meztis Education and Research Institute, NY, USA

**Topic 4:** *Natural compounds and nutrition effecting tumor suppression (working title)*

**Speaker:** Barbara Stefanska, Department of Pharmacology and Therapeutics McGill University, Montreal, Canada

**Topic 5:** *Nutrition and the epigenetic regulation of the expression of immune mediators*

**Speaker:** Haslberger Alexander, Department of Nutritional Research, University of Vienna, Austria