



12th Asian Congress of Nutrition

May 14–18, 2015 / Yokohama, Japan
- **May 15, Friday**



Focus and Highlights of The Symposium

Time: 9:00-9:45

Plenary Lecture 03-The Present Role of Industrial Food Processing in Food Systems and Its Implications for Controlling the Obesity Pandemic

Room: Main Hall at Conference Center

Carlos A. Monteiro *University of São Paulo, Brazil*



In this session, the speaker will present a new food classification based on extent and purpose of industrial food processing, mechanisms linking ultra-processed foods to obesity, evidence of this association, and policy implications.

Time: 10:00-10:45

Educational Lecture 01-The Importance of the Inter-Tissue Communication Mediated by NAMPT/NAD+/SIRT1 in Mammalian Aging/Longevity Control: Is Anti-Aging Intervention Realistic?

Room: Main Hall at Conference Center

Shin-ichiro Imai *Washington University School of Medicine, USA*



In this educational lecture, Prof. Imai will talk about the mechanistic details of the NAD World and the potential use of nicotinamide mononucleotide, a key NAD⁺ intermediate, to promote "productive aging" in our heavily aging society.

Time: 11:00-11:45

Educational Lecture 03-Nutrition and Health Promotion - From Molecular to Physiological Modulation

Room: Main Hall at Conference Center

Sue-Joan Chang *National Cheng Kung University, Taiwan*



Foods we eat have an enormous impact on our health. Beyond the nutrients that are essential for health, phytochemicals and zoochemicals in foods are physiologically active compounds and provide significant health benefits. Prof. Chang will review the interaction between our genes and these food compounds directly affect our health and disease risk.

Time:13:50-14:35

Educational Lecture 05-Why Do Behavior Interventions Fail? Insights from Behavioral Economics

Room: Main Hall at Conference Center

Ichiro Kawach *Harvard University, USA*



In this session, the speaker will introduce concepts from the field of behavioral sciences (behavioral economics, neuro-sciences and psychology) to explain the nature of human behavior and decision-making. In addition, the speaker will describe how new ideas from these fields have been applied toward improving interventions to boost the success of behavioral change.

Time:16:10-16:55

Educational Lecture 09-Nutrient Standards

Room: 503

Hee Young Paik *Seoul National University, Korea*



Nutrition standards are intake levels of nutrients established by experts to help healthy eating to achieve the health of individuals. However, applications of the nutrient standards in dietary assessment and planning are very complex and challenging. In this session, the speaker will discuss how to work together to harmonize the concepts and terms of nutrient standards for the global community.

Time:10:00-11:30

Symposium 02- Basic and Clinical Aspects of Amino Acid Sciences

Co-organized by: Japanese Society for Amino Acid Sciences (JSAAS), International Council on Amino Acid Science (ICAAS) Japan

Room: 414+415

Chairperson: Yoshiharu Shimomura (*Nagoya University, Japan*)

Kazuhiko Fukatsu (*University of Tokyo Hospital, Japan*)

This symposium focuses on the recent findings regarding basic and clinical aspects of the amino acid functions. A number of physiological functions of branched-chain amino acids (BCAAs) in the control of fatigue, neurotransmission in autism, and muscle atrophy and hypertrophy (sarcopenia).

Time:10:00-11:30

Symposium 05- Challenges of Scaling Up Nutrition Intervention to Achieve the Development Goal

Room: 502

Chairperson: Toru Rikimaru (*Japan International Cooperation Agency, Japan*)

Ali Ahmed Al Mudhwahi (*Ministry of Public Health and Population, Yemen*)

Food security and nutrition are important for well-being of the global population. Obesity and diet-related NCDs have been an emerging issue in many Asia countries, while many children and women are still suffering from undernutrition. This symposium will outline the current situations and the prioritized measures in maternal and child malnutrition in each Asian region. The session will also present multi-sectoral approaches and identify its strengths and weaknesses.

Time:13:50-15:20

Symposium 09-Physiological Functions of Food Factors-Return to Mechanistic Approach-

Room: 501

**Chairperson: Junji Terao (University of Tokushima, Japan)
Hitoshi Ashida (Kobe University, Japan)**

In this symposium, four speakers from Korea, Japan and Taiwan will introduce the novel function of DHA, (-)-epigallocatechin-3-gallate (EGCG), and sulfur compounds including isothiocyanates and sulforaphane in the inflammation, osteoclastogenesis, carcinogenesis and diabetes at molecular basis.

Time:16:10-17:40

Symposium 12-To Review Health Policies for Obesity Control and To Share Experiences of Intervention Programs Worldwide

Room: 502

**Chairperson: Nobuo Nishi (National Institute of Health and Nutrition, Japan)
Joel Gittelsohn (Johns Hopkins Bloomberg School of Public Health, USA)**

The causes of the worldwide obesity epidemic are multilevel and complex. Innovative approaches are needed to impact this problem, including tested interventions at the environment and policy levels. This symposium will highlight national health promotion programs for controlling obesity and NCDs, and will also discuss policy level approaches in terms of food marketing in three different countries (Japan, USA, and Malaysia).