Program (May 16 / 17)

16:10-17:40  Symposium 29  
Lipid Nutrition and Healthy Aging  
Room: 502

Co-organized by Japan Study Group of Fat, Oil and Cholesterol Research

Chairperson:  
Teruyoshi Yanagita (Nishikyushu University, Japan)  
Teruo Miyazawa (Tohoku University, Japan)

SY29-01  
**Influence of dietary lipids on bioaccessibility and bioavailability of carotenoids**  
Chandrika Udumalagala Gamage  
University of Sri Jayewardenepura, Sri Lanka

SY29-02  
**CCAAT/enhancer binding protein beta (C/EBPb): a key player in the pathologies associated with high fat diet induced obesity**  
Shaikh M. Rahman  
Texas Tech University, USA

SY29-03  
**Functional lipids in metabolic syndrome**  
Koji Nagao¹, Teruyoshi Yanagita²  
¹Saga University, Japan, ²Nishikyushu University, Japan

SY29-04  
**Dietary polyunsaturated fatty acids and plasma cholesterol levels**  
Meng-Tsan Chiang, Ai-Lun Huang  
National Taiwan Ocean University, Taiwan

May 17 (Sunday)

10:00-12:00  Symposium 30  
Obesity and Nutrition  
Room: Main Hall at Conference Center

Chairperson:  
Masayuki Saito (Hokkaido University, Japan)  
Teruo Kawada (Kyoto University, Japan)

SY30-01  
**Brown rice and its component, γ-oryzanol, attenuate the preference for high-fat diet**  
Hiroaki Masuzaki  
University of the Ryukus, Japan

SY30-02  
**Targeting immune signaling molecules against obesity-induced inflammation and metabolic complications**  
Rina Yu  
University of Ulsan, Korea

SY30-03  
**Fatty acids in the regulation of muscle mitochondrial dynamics and beta-cell function**  
Yau-Sheng Tsai  
National Cheng Kung University, Taiwan

SY30-04  
**Engineering Fat Cell Fate to Fight Obesity and Metabolic Diseases**  
Shingo Kajimura  
University of California, San Francisco, USA

SY30-05  
**Food ingredients activating brown fat thermogenesis and reducing body fat in humans**  
Takeshi Yoneshiro  
Hokkaido University, Japan

10:00-12:00  Symposium 31  
Environmental Impact of Dietary Guidelines  
Room: 303

Chairperson:  
Fumi Hayashi (Kagawa Nutrition University, Japan)  
Jihyun Yoon (Seoul National University, Korea)

SY31-01  
**The Special Act on the SAFENET for children in Korea: How Did It Work for Children's Healthy Eating Environment?**  
Jihyun Yoon  
Seoul National University, Korea

SY31-02  
**Creating Healthy Food Environment to Combat Lifestyle-related Diseases in Japan**  
Yukari Takemi  
Kagawa Nutrition University, Japan
Program (May 17)

SY31-03  Addressing obesity and non-communicable chronic diseases through Singapore's Food Strategy
Benjamin Lee
Health Promotion Board, Singapore

SY31-04  Unilever Nutrition Strategy and Examples in Asia
Karen Cunningham¹, Kom Kamonpatana²
¹Unilever, Netherlands, ²Unilever, Thailand

10:00-11:30  Symposium 32
How Can We Fight Against Food Allergy?  Room: 304

Chairperson: Satoshi Hachimura (The University of Tokyo, Japan)
Tatsuya Moriyama (Kinki University, Japan)

SY32-01  Diversity of food allergy
Tatsuya Moriyama
Kinki University, Japan

SY32-02  The intestinal immune system from the viewpoint of food allergy
Satoshi Hachimura
The University of Tokyo, Japan

SY32-03  Food and natural materials target mechanisms to effectively regulate allergic responses
Dong-Hwa Shon, Hee Soon Shin
Korea Food Research Institute, Korea

10:00-11:30  Symposium 33
Nutrition for Longevity  Room: 501

Co-organized by The Japanese Society of Nutrition and Dietetics

Chairperson: Haeng-Shin Lee (Korea Health Industry Development Institute, Korea)
Kazuko Ishikawa-Takata (National Institute of Health and Nutrition, Japan)

SY33-01  Progress and Problems of Nutrition Care Management in the Long-Term-Care Insurance System
Kazuko Ishikawa-Takata
National Institute of Health and Nutrition, Japan

SY33-02  Nutritional and Swallowing Status in Dependent Community-Dwelling Older People in Japan
Masafumi Kuzuya¹, Michiko Sugiyama², Hiromi Enoki³
¹Nagoya University Graduate School of Medicine, Japan, ²Kanagawa University of Human Services, Japan,
³Aichi Syukutoku University, Japan

SY33-03  Improving Clinical Outcome in the National Management of Sarcopenia at the National Center for Geriatric Health and Research Institute (NCGH-RI), Philippines
Miguel A. Ramos Jr.
The National Center for Geriatric Health, Philippines

SY33-04  Longevity, Diet, and Nutrition in Korea
Haeng-Shin Lee
Korea Health Industry Development Institute, Korea

10:00-12:00  Symposium 34
DOHaD  Room: 502

Chairperson: Hideoki Fukuoka (Waseda University, Japan)
Torsten Plösch (University Medical Center Groningen, Netherlands)

SY34-01  Dietary Lipids as Modifiers of the Epigenome: Good or Bad?
Graham C Burdge
University of Southampton, UK

SY34-02  Maternal nutrition and long-term consequences - the role of epigenetics
Torsten Plösch
University Medical Center Groningen, Netherlands
### Program (May 17)

**SY34-03**  | The impact of nutritional insults during fetal life on blood pressure  
---|---  
Barbara T. Alexander  
*University of Mississippi Medical Center, USA*

**SY34-04**  | DOHaD (Developmental Origins of Health and Disease) and nutritional management in pregnancy  
---|---  
Hidemi Takimoto¹, Reiko Tajirika², Toshiro Kubota²  
¹National Institute of Health and Nutrition, Japan, ²Tokyo Medical and Dental University, Japan

**10:00-12:00**  | **Symposium 35**  
Science Tests Kyoto’s Exquisite Traditional Cuisine: A Novel Collaboration between Japanese Chefs and Scientists  
Room: Exhibition Hall

Chairperson:  
Tohru Fushiki (Ryukoku University, Japan)  
Hanae Yamazaki (Ryukoku University, Japan)

**SY35-01**  | Science Tests Kyoto’s Exquisite Traditional Cuisine: A Novel Collaboration between Japanese Chefs and Scientists  
---|---  
Hanae Yamazaki¹,³, Tohru Fushiki²  
¹Ryukoku University, Japan, ²Kyoto University, Japan, ³The Japan Society for Laboratory Cuisine, Japan

**SY35-02**  | Continuity and Change: Kyoto Chefs Engage with Science  
Greg de St. Maurice  
*University of Pittsburgh, USA*

**13:50-15:20**  | **Symposium 36**  
Shokuiiku (Food and Nutrition Education for Children)  
Room: 303

Chairperson:  
Hidemi Takimoto (National Institute of Health and Nutrition, Japan)

**SY36-01**  | The Place of Taste Education in France and Japan and Its Contribution to Develop the Complete State of Physical, Mental and Social Wellbeing for Young People  
---|---  
Sylvie Delaroche-Houot, Izumi Tajiri  
*Association Nationale pour l’Éducation au Goût des Jeunes, France*

**SY36-02**  | School Lunch and Promotion of Food Education in Japan  
 Nobuko Tanaka  
*Shukutoku University, Japan*

**SY36-03**  | Using the DESIGN procedure to develop and evaluate nutrition education: The Food, Health & Choices experience  
Isobel R Contento  
*Teachers College Columbia University, USA*

**13:50-15:50**  | **Symposium 37**  
Food Safety Program in Asian Countries  
Room: 304

Chairperson:  
Ryuji Yamaguchi (ILSI Japan, Japan)  
Lucy Sun Hwang (National Taiwan University, Taiwan)

**SY37-01**  | Food Safety and Sanitation Regulations in Taiwan  
---|---  
Lucy Sun Hwang  
*National Taiwan University, Taiwan*

**SY37-02**  | The Role of Risk Assessment in the Regulatory Control of Aluminum Containing Food Additives in China  
---|---  
Ning Ma, Liu Zhaoping, Junshi Chen  
*China National Centre for Food Safety Risk Assessment, China*

**SY37-03**  | Facilitating Food Standards Harmonization in ASEAN - ILSI Southeast Asia Region’s Scientific Initiatives  
Pauline Chan  
*ILSI Southeast Asia Region, Singapore*
Program (May 17)

13:50-15:50 Symposium 38
The Future of Nutrition Care Process Implementation Room: 501
Chairperson: Fusako Teramoto (Kawasaki University of Medical Welfare, Japan)

SY38-01 The Future of Nutrition Care Process Implementation
Teiji Nakamura
Kanagawa University of Human Services, Japan
SY38-02 Challenges in implementing IDNT in Malaysia
Winnie SS Chee
International Medical University, Malaysia
SY38-03 Review of the Effectiveness of the Nutrition Care Process
Akiko Ichimasa
Maricopa Integrated Health System Maricopa Medical Center, USA
SY38-04 NCP Implementation in Korean Hospitals
Eun Mi Kim
Kangbuk Samsung Hospital, Korea

13:50-15:20 Symposium 39
Recent Topics in Infant Nutrition Room: 502
Chairperson: Hiroko Kodama (Teikyo Heisei University, Japan)
Tzee-Chung Wu (National Yang Ming University, Taiwan)

SY39-01 Nutritional biotin deficiency in Japan: biotin contents in infant formulas and serum biotin levels in children
Eishin Ogawa1, Yasuhiro Sato1, Kenji Wakabayashi2, Kahoko Motoyama1, Hiroko Kodama2
1Teikyo University School of Medicine, Japan, 2Teikyo Heisei University, Japan
SY39-02 Zinc transporters and zinc deficiency of infants and children
Taiho Kambe
Kyoto University, Japan
SY39-03 Iron deficiency in children
Tzee-Chung Wu
National Yang Ming University, Taiwan
SY39-04 The maternal n-3 fatty acid-deficient diet enhance the hypothalamic-pituitary-adrenal axis responses to stress in rat offspring later in life
Hui-Min Su
National Taiwan University, Taiwan

13:50-15:20 Symposium 40
Positive and Negative Aspect of Health Foods and Dietary Supplements Room: 503
Chairperson: Keizo Umegaki (National Institute of Health and Nutrition, Japan)
Harunobu Amagase (American Chamber of Commerce in Japan, Japan)

SY40-01 Positive and negative aspects of food with health claims in Japan
Keizo Umegaki
National Institute of Health and Nutrition, Japan
SY40-02 US Dietary Supplement Labeling Rule and Possibility of Medical Cost Reduction
Harunobu Amagase
American Chamber of Commerce in Japan, Japan
SY40-03 Overview of Korean Health Functional Food Regulation
Yang-Hee Cho
Korea Health Supplement Association, Korea