

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 Jayewarenepura, 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
¹*Saga University, Japan*, ²*Nishikyushu 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 Ryukyus, 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

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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 Yamazaki^{1,3}, Tohru Fushiki^{2,3}
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

Shokuiku (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'Education 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

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SY37-04 **Effects of Climate Change on Food Safety in Korean Peninsula**
 Ki Hwan Park
Chung-Ang University, Korea

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
¹*Teikyo University School of Medicine, Japan*, ²*Teikyo 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