PROGRAM

November 16th (Wednesday) 16:00 Welcome Reception (Univ of Shizuoka)

November 17th (Thursday)

Start of Meeting
7:45 Registration – Nippondaira Hotel
8:35 Welcome and Opening Remarks

Session 1  Beneficial Effects of Dietary Polyphenols: Cacao, Citrus, and Turmeric

Chairpersons: Toshihiko Osawa and Tatsuya Morimoto

8:40 Toshihiko Osawa (Aichi Gakuin University)
Effects of dark chocolate 72% cacao intake in healthy Japanese

9:00 Hitoshi Ashida (Kobe University)
Prevention of hyperglycemia and obesity by cacao polyphenols

9:20 Midori Natsume (Meiji Co., Ltd.)
Absorption and metabolism of cacao polyphenols

[Supported by Meiji Co., Ltd.]

9:40 Coffee Break

Chairpersons: Je Tae Woo and Janet L Funk

10:00 Akira Tsujimura (Juntendo University Urayasu Hospital)
Efficacy of combination therapy of resveratrol and phosphodiesterase type 5 inhibitor for men with erectile function

10:20 Je Tae Woo (Chubu University, Okinawa Research Center Co., Ltd.)
Various biological activities of nobiletin and tangeretin and establishment of manufacture material with their high-purity from Citrus depressa (“shikuwasa”)

10:40 Yukiko Kaneko (University of Shizuoka)
Nobiletin promotes insulin secretion and prevents β-cell apoptosis through a cAMP dependent pathway.

11:00 Janet L Funk (University of Arizona, USA)
Bone-specific pharmacognosy of turmeric (Curcuma longa L): Harnessing nature to maintain bone health
Special Lecture 1 (11:25-12:00) Chairperson: Toshinao Goda
Keiko Abe (The University of Tokyo)
Functional food science in Japan—Present status and perspectives

Luncheon Seminar (12:05 – 12:55) Chairperson: Yoko Ozawa
FloraGLO® Celebrating 20 Years of Lutein Excellence:
A BIRTHDAY BASH TO BEAT THE BLUE
[Supported by Kemin Co. Ltd.]
1) Heather Richardson (Kemin Human Nutrition and Health, USA)
   FloraGLO® The pioneer of lutein science and discovery
2) Richard Roberts (Kemin Human Nutrition and Health, USA)
   Blue light and the eye

Special Lecture 2 (13:10-13:50) Chairperson: Akira Obana
Stuart P. Richer (Captain James Lovell Veterans, Naval Federal Health Care Facility, North Chicago, USA)
Lutein and zeaxanthin for superior visual performance in healthy individuals

Session 2 FloraGLO® Celebrating 20 Years of lutein Excellence:
Lutein’s role in the eye and brain
[Supported by Kemin Co. Ltd.]
Chairpersons: Stuart P. Richer and Richard Roberts
14:00 Norihiro Nagai (Keio University School of Medicine)
Association of Macular Pigment Optical Density (MPOD) with serum concentration of oxidized low-density lipoprotein (oxidized LDL) and effects of constant intake of lutein-rich spinach on MPOD
14:25 Yoko Ozawa (Keio University, School of Medicine)
Lutein/zeaxanthin, as a preventive approach for age-related macular degeneration
14:50 Akira Obana (Seirei Hamamatsu General Hospital, Institute for Medical Photonics Research, Preeminent Medical Photonics Education & Research Center)
Increasing macular pigment may have a prophylactic effect against age-related macular degeneration.
15:15 Richard Roberts (Kemin Human Nutrition and Health, USA)
Lutein and the brain - A review of studies supporting healthy brain functionality
15:40 Coffee Break
### Session 3  Improvement of Cognitive Function by Natural Products

Chairpersons: Kinzo Matsumoto and Hiroshi Yamada

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Topic</th>
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<tbody>
<tr>
<td>16:00</td>
<td>Kornkanok Ingkaninan (Naresuan University, Thailand)</td>
<td>Research and development of Brahmi, a medicinal plant for memory improvement</td>
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<td>16:25</td>
<td>Kinzo Matsumoto (Institute of Natural Medicine, University of Toyama)</td>
<td>Chotosan and cognitive dysfunction: experimental approach to dementia therapy from traditional Kampo medicine</td>
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<td>16:45</td>
<td>Akira Minami, Takashi Suzuki (University of Shizuoka)</td>
<td>Novel therapeutic approach for memory impairment and depression in postmenopausal women</td>
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<td>17:05</td>
<td>Bungorn Sripanidkulchai (Khon Kaen University, Thailand)</td>
<td>Anti-inflammatory and neuro-protective effects of protein hydrolysate of pigmented rice.</td>
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<td>17:30</td>
<td>Haruna Tamano (University of Shizuoka, Japan)</td>
<td>Suppressive effect of 3,5-dihydroxy-4-methoxybenzyl alcohol and zinc, components of the Pacific oyster, on glutamatergic neuron activity in the hippocampus: a new insight of Zn$^{2+}$ into physiological significance</td>
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18:30–20:30  **Banquet**  (6th Floor, Upper Banquet Room)
November 18th (Friday)

Session 4  Traditional Medicine and Foods

Chairpersons: Yasuo Watanabe and Kayoko Shimoi

8:30  Jing-Yan Han (Pekin University, China)
The role and mechanism of QiShenYiQi Pills, a compound Chinese medicine for
tonifying Qi activating blood

8:55  Noriyuki Miyoshi (University of Shizuoka)
Soybean peptide leginsulin homologues in different cultivars and their insulin-like
activities

9:15  Takeshi Usui (Shizuoka General Hospital)
The effect of natural S-equol supplements on metabolic parameters in overweight
Japanese male and female with or without equol producing capability.

9:40  Yasuo Watanabe (Yokohama University of Pharmacy)
Active health and anti-aging taken by folk medicines and traditional food materials

Session 5  Cancer Prevention by Natural Products

Chairpersons: Keiji Wakabayashi and Naoto Oku

10:10  Ikuo Saiki (Institute of Natural Medicine, University of Toyama)
Berberine and cancer metastasis

10:30  Min-Hsiung Pan (Institute of Food Science and Technology, National
Taiwan University, Taiwan)
Chemopreventive effects of dietary natural compounds on cancer development

10:55  Marc Diederich (Seoul National University, Korea)
Intracellular signaling events implicated in anti-cancer activity of cardiac
glycosides

11:20  Coffee Break

Special Lecture 3 (11:35-12:00)
Chairperson: Hiroshi Noguchi

Barbara N. Timmermann (University of Kansas, USA)
Application of phase-trafficking methods to natural products research: a novel tool for
bioprospecting and discovery of unprecedented molecules
Poster Session with Lunch (12:00 - 14:00)

Special Lecture 4 (14:00-14:25)  
Chairperson: Yasuyuki Imai
Johan Garssen (Utrecht University, Nutricia Research, The Netherlands)
Dietary intervention and immune regulation: impact for the management of allergic disorders

Session 6  
Beneficial Effects of Dietary and Topical Phytochemicals  
Chairpersons: Cecilia C. Maramba-Lazarte and Shinji Miura  
[supported by “The 30th Foundation Celebration of the University of Shizuoka”]

14:25  
Kuniyasu Soda (Jichi Medical University, Japan)  
Biological background of life-span extension by dietary polyamines

14:50  
Valerie Schini-Kerth (University of Strasbourg, Strasbourg, France)  
Potential of natural products to retard and improve vascular ageing and senescence

15:15  
Vikineswary Sabaratnam (University of Malaya, Malaysia)  
Exploring the potential of edible mushroom as functional food for mitigating neuroinflammation

15:40  
Coffee Break

Chairpersons: Valerie Schini-Kerth and Hirokazu Kobayashi

16:00  
Tze-Pin Ng (National University of Singapore, Singapore)  
Tea: Health and functional benefits in older persons

16:25  
Cecilia C. Maramba-Lazarte (Institute of Herbal Medicine, National Institutes of Health, University of the Philippines, Manila, Philippines)  
Medicinal herbs as topical antifungal agents

16:50  
Concluding Remarks