

## Program

- PS-02-a-303 Retrospective analysis between food intake and plasma lipid levels in middle to elderly age of 23906 Japanese**  
Kohzo Aisaka, Aki Aisaka, Hideyo Onikura, Fujiko Tsuchiya, Masami Sueta, Yumiko Ikezuki, Kana Itabashi, Sayaka Nose, Seiichiro Obata  
*Hamada Hospital, Japan*
- PS-02-a-304 The relationship between self-reported energy intakes and body mass index among urban, low-income African-American youth**  
Miwa Yamaguchi<sup>1</sup>, Anna Y. Kharmats<sup>2</sup>, Cara Shipley<sup>2</sup>, Elizabeth S. Anderson<sup>2</sup>, Laura C. Hopkins<sup>2</sup>, Joel Gittelsohn<sup>2</sup>  
<sup>1</sup>The University of Tokushima, Japan, <sup>2</sup>Johns Hopkins Bloomberg School of Public Health, USA
- PS-02-a-305 Children Receiving Complementary Food Supplements (CFS) Have Higher Nutrient Intakes from Home Foods in Jivita-4 Field Trial, Rural Bangladesh**  
Rebecca K. Campbell<sup>1</sup>, Kristen M. Hurley<sup>1</sup>, Abu Ahmed Shamim<sup>1</sup>, Saijuddin Shaikh<sup>1</sup>, Zaynah T. Chowdhury<sup>1</sup>, Sucheta Mehra<sup>1</sup>, Saskia de Pee<sup>2</sup>, Tahmeed Ahmed<sup>3</sup>, Keith P. West Jr.<sup>1</sup>, Parul Christian<sup>1</sup>  
<sup>1</sup>Johns Hopkins Bloomberg School of Public Health, USA, <sup>2</sup>Nutrition and HIV/AIDS Policy Division, WFP, Italy, <sup>3</sup>Nutrition Programme, ICDDR, B, Bangladesh
- PS-02-a-306 Comparison of Nutritional Status of Early Childhood between South Korea and North Korea**  
Soh Yoon Yun, Cheng Yu Zhang, Seo-Ho Cho, Jihyun Yoon  
*Seoul National University, Korea*
- PS-02-a-307 Improvement in the nutritional value of food stockpiles and their efficient reuse**  
Mizuho Sato, Masaru Nakano  
*Keio University, Japan*
- PS-02-a-308 Approach to hand down the tradition of local dishes at 3.11 stricken area**  
Kazuko Kato, Chisa Ikeda, Ryoko Wada  
*Tokyo Kasei University, Japan*

## PM Nutritional Biochemistry 4

- PS-02-p-001 Insulin-induced acetyl-CoA carboxylase alpha is responsible for triglyceride accumulation in primary hepatocytes of low protein diet-fed rats**  
Yusuke Taguchi<sup>1</sup>, Yuka Toyoshima<sup>1</sup>, Reiko Tokita<sup>1</sup>, Hisanori Kato<sup>2</sup>, Shin-Ichiro Takahashi<sup>2</sup>, Shiro Minami<sup>1</sup>  
<sup>1</sup>Nippon Medical School, Japan, <sup>2</sup>The University of Tokyo, Japan
- PS-02-p-002 Effect of taurine on the induction of TXNIP expression in human intestinal epithelial Caco-2 cells**  
Hideo Satsu<sup>1</sup>, Hana Shimanaka<sup>2</sup>, Yusuke Gondo<sup>2</sup>, Kenji Watari<sup>1</sup>, Mamoru Totsuka<sup>2</sup>, Makoto Shimizu<sup>2</sup>  
<sup>1</sup>Maebashi Institute of Technology, Japan, <sup>2</sup>The University of Tokyo, Japan
- PS-02-p-003 Protein malnutrition increases the amount and phosphorylation of 4E-binding protein 1 (4E-BP1) to accumulate lipid in rat liver**  
Yuka Toyoshima<sup>1</sup>, Reiko Tokita<sup>1</sup>, Yusuke Taguchi<sup>1</sup>, Fumiaki Yoshizawa<sup>2</sup>, Shin-Ichiro Takahashi<sup>3</sup>, Hisanori Kato<sup>3</sup>, Shiro Minami<sup>1</sup>  
<sup>1</sup>Nippon Medical School, Japan, <sup>2</sup>Utsunomiya University, Japan, <sup>3</sup>The University of Tokyo, Japan
- PS-02-p-004 Collagen-derived dipeptides were detected in human breast milk**  
Sachie Nakatani<sup>1</sup>, Rina Kasai<sup>1</sup>, Yoshifumi Kimira<sup>1</sup>, Hiroshi Mano<sup>1</sup>, Aya Kataoka<sup>2</sup>, Fumihito Sugihara<sup>2</sup>, Naoki Inoue<sup>2</sup>, Kenji Kobata<sup>1</sup>, Masahiro Wada<sup>1</sup>  
<sup>1</sup>Josai University, Japan, <sup>2</sup>Nitta Gelatin Inc., Japan
- PS-02-p-005 Adaptive Response to L-Serine Deficiency in Normal Embryonic Fibroblasts**  
Tomoko Sayano<sup>1</sup>, Yuki Kawano<sup>2</sup>, Kayoko Esaki<sup>1</sup>, Yoshio Hirabayashi<sup>1</sup>, Shigeki Furuya<sup>2</sup>  
<sup>1</sup>RIKEN Brain Science Institute, Japan, <sup>2</sup>Kyushu University, Japan
- PS-02-p-006 Effects of dietary histidine levels to amounts of imidazole dipeptides and interactions with lysine and arginine in muscles of broiler**  
Shinichi Kai, Genya Watanabe, Masatoshi Kubota, Motoni Kadowaki, Shinobu Fujimura  
*Niigata University, Japan*

# Program

- PS-02-p-007 Quantitation of Plasma and cytoplasmic Amino Acids by Gas Chromatography/Mass Spectrometry Using [U-13C, U-15N] Amino Acids as Internal Standards**  
Tung-Ju Yang, En-Pei Chiang  
*National Chung Hsing University, Taiwan*
- PS-02-p-008 Nutritional characteristic of the Hiroshima-oyster cultured in the area of high concentration of zinc**  
Yumiko Nitta<sup>1</sup>, Noriko Tamura<sup>2</sup>, Toshihide Harada<sup>3</sup>, Fumiko Ishizaki<sup>4</sup>, Kohsaku Nitta<sup>5</sup>  
<sup>1</sup>Suzugamine Women's College, Japan, <sup>2</sup>Yasuda Women's University, Japan, <sup>3</sup>Hiroshima Prefecture University, Japan, <sup>4</sup>Hiroshima Cosmopolitan University, Japan, <sup>5</sup>Shirakino Sato Hospital, Japan
- PS-02-p-009 Bone-kidney axis regulating phosphate homeostasis: Study of osteocyte-ablated mice**  
Haruna Sakaguchi, Sawako Tatsumi, Mao Ogata, Osamu Fujii, Tomohiro Arakaki, Atsumi Miyagawa, Kenta Nagamoto, Wako Takahama, Yukiko Hirobata, Akihiro Yasui, Ichiro Kaneko, Hiroko Segawa, Ken-ichi Miyamoto  
*The University of Tokushima Graduate School, Japan*
- PS-02-p-010 Molecular mechanisms underlying folic acid-induced anti-colorectal cancer growth**  
Chun-Ting Kuo, Wen-Sen Lee  
*Taipei Medical University, Taiwan*
- PS-02-p-011 Biotin-deficient diet induces abnormal oocyte in mouse**  
Ai Tsuji<sup>2</sup>, Toshinobu Nakamura<sup>1</sup>, Katsumi Shibata<sup>2</sup>  
<sup>1</sup>Nagahama Institute of Bio-Science and Technology, Japan, <sup>2</sup>The University of Shiga Prefecture, Japan
- PS-02-p-012 Zinc Status, Physical Growth and Cognitive Development of 2-3-Year Old Children in Laguna, Philippines**  
Rodesa T. Naupal-Forcadilla  
*University of the Philippines Los Banos, Philippines*
- PS-02-p-013 Effect of Dietary Oil and Phosphorus Contents on Calcium Utilization in female Fischer Rats**  
Yoshiko Aoyama<sup>1</sup>, Shizuko Ohtsuka<sup>2</sup>, Nobuhiro Watanabe<sup>1</sup>, Tomoko Kajiwara<sup>1</sup>, Shoji Azami<sup>2</sup>, Takao Kitano<sup>3</sup>  
<sup>1</sup>Material Research Center Co., Ltd, Japan, <sup>2</sup>Tokyo Seiei College, Japan, <sup>3</sup>Kumamoto University, Japan
- PS-02-p-014 Cellobionic acid preserves hepatic iron strage level in adult female rats fed a low iron diet**  
Eri Fukuda<sup>1</sup>, Yukiko Kobayashi<sup>1</sup>, Naoyuki Matsunaga<sup>2</sup>, Shiori Maeda<sup>1</sup>, Masashi Kuwahata<sup>1</sup>, Yoshiya Izumi<sup>2</sup>, Yasuhiro Kido<sup>1</sup>  
<sup>1</sup>Kyoto Prefectural University, Japan, <sup>2</sup>Biomaterial in Tokyo, Japan
- PS-02-p-015 Effects of dietary phosphate on the progression of anemia in iron deficient rats**  
Mari Nakao<sup>1</sup>, Hironori Yamamoto<sup>2</sup>, Otoki Nakahashi<sup>1</sup>, Shoko Ikeda<sup>1</sup>, Kotaro Abe<sup>1</sup>, Shiori Fukuda<sup>1</sup>, Yutaka Taketani<sup>1</sup>, Takeda Eiji<sup>1</sup>  
<sup>1</sup>Tokushima University, Japan, <sup>2</sup>Jin-ai University, Japan
- PS-02-p-016 Concentration of essential elements in brown and white jasmine rice samples of Thailand**  
Wanee Srinuttrakul, Arporn Busamongkol  
*Thailand Institute of Nuclear Technology (Public Organization), Thailand*
- PS-02-p-017 The effects of vitamin B<sub>6</sub> status on blood lipids in healthy adults**  
Youn-Ok Cho, Young-Nam Kim, Ji Young Choi  
*Duksung Women's University, Korea*
- PS-02-p-018 Effects of calcium phosphate citrate as a dietary calcium source on calcium balance in rats**  
Miho Hanai<sup>1</sup>, Tsutomu Yoshida<sup>2</sup>, Toshitaka Yasuda<sup>2</sup>  
<sup>1</sup>Kanagawa Institute of Technology, Japan, <sup>2</sup>Toyo Suisan Kaisha, Ltd., Japan
- PS-02-p-019 Soybean extracts increase zinc absorption by enhancing cell surface Zip4 expression**  
Ayako Hashimoto<sup>1</sup>, Masakazu Takahashi<sup>2</sup>, Hiroshi Narita<sup>3</sup>, Yusaku Miyamae<sup>1</sup>, Masaya Nagao<sup>1</sup>, Taiho Kambe<sup>1</sup>  
<sup>1</sup>Kyoto University, Japan, <sup>2</sup>Fukui Prefectural University, Japan, <sup>3</sup>Kyoto Women's University, Japan
- PS-02-p-020 Nocturnal eating disturbs phosphorus excretion in young subjects**  
Masae Sakuma, Saaya Noda, Yuuka Morimoto, Akitsu Suzuki, Kanaho Nishino, Sakiko Ando, Minako Umeda, Makoto Ishikawa, Hidekazu Arai  
*The University of Shizuoka, Japan*

## Program

- PS-02-p-021 Low-dose daily intake of vitamin K2 (menaquinone-7) improves osteocalcin  $\gamma$ -carboxylation**  
Naoko Inaba, Toshiro Sato, Takatoshi Yamashita  
*J-Oil Mills, INC., Japan*
- PS-02-p-022 Effect of Iron Deficiency on Antioxidative System in Rat Duodenum**  
Shoko Shinoda, Machoko Yamamoto, Yurina Imooka  
*Tokyo Metropolitan University, Japan*
- PS-02-p-023 Effects of dietary zinc supplementation on tissue mineral distribution and bone metabolism in rats**  
Takako Suzuki, Shin-ichi Katsumata, Hiroshi Matsuzaki, Kazuharu Suzuki  
*Tokyo University of Agriculture, Japan*
- PS-02-p-024 The inhibitory effect of carbonyl iron load on vitamin E metabolism in rats**  
Yuki Kanzaki, Chie Muto, Haruka Watabe, Osamu Igarasi, Chikako Kiyose  
*Kanagawa Institute of Technology, Japan*
- PS-02-p-025 Induction of intact and C-terminal FGF23 levels and its gene expression in lipopolysaccharide-induced acute inflammation**  
Hironori Yamamoto<sup>1</sup>, Shoko Ikeda<sup>2</sup>, Mari Nakao<sup>2</sup>, Yutaka Taketani<sup>2</sup>, Eiji Takeda<sup>2</sup>  
*<sup>1</sup>Jin-ai University, Japan, <sup>2</sup>Tokushima University, Japan*
- PS-02-p-026 Effects of menaquinone-4 and geranylgeraniol on testosterone production in testis-derived tumor I-10 cells**  
Hsin-Jung Ho, Hitoshi Shirakawa, Risa Yoshida, Misato Maeda, Tomoko Goto, Michio Komai  
*Tohoku University, Japan*
- PS-02-p-027 Role of a TPA-responsive element in BMP-mediated hepcidin transcription**  
Yohei Kanamori<sup>1</sup>, Masaru Murakami<sup>2</sup>, Tohru Matsui<sup>1</sup>, Masayuki Funaba<sup>1</sup>  
*<sup>1</sup>Kyoto University, Japan, <sup>2</sup>Azabu University, Japan*
- PS-02-p-028 Determination and Characterization of Vitamin B<sub>12</sub> Compounds in Food Ingredients used in Chinese Cuisine**  
Fei Teng<sup>1</sup>, Shigeo Takenaka<sup>2</sup>, Yukinori Yabuta<sup>1</sup>, Fumio Watanabe<sup>1</sup>  
*<sup>1</sup>Tottori University, Japan, <sup>2</sup>Osaka Prefecture University, Japan*
- PS-02-p-029 Dietary supplemental vitamin B6 to a low vitamin B6 diet modulates gene expression of myokines in skeletal muscle of rats**  
Shinji Uragami, Sofya Suidasari, Noriyuki Yanaka, Norihisa Kato  
*Hiroshima University, Japan*
- PS-02-p-030 Effects of zinc deficiency on locomotive activity and plasma melatonin concentrations in growing rats**  
Tomoko Goto, Yuka Onuma, Yuki Mayanagi, Masahiro Sumitomo, Hitoshi Shirakawa, Michio Komai  
*Tohoku University, Japan*
- PS-02-p-031 The excess intake of vitamin A increases energy expenditure, and decreases fat mass of high-fat diet induced-obese mice**  
Noriaki Yamaguchi, Eri Abe, Kazuhito Suruga  
*University of Nagasaki Siebold, Japan*
- PS-02-p-032 Effect of High-Fat Diet on Behavior of Ascorbic Acid in C57BL6/J Mice**  
Minami Murai<sup>1</sup>, Yoko Sato<sup>1</sup>, Yasuko Sone<sup>2</sup>, Ayumi Isaka<sup>1</sup>, Chisa Nishimura<sup>1</sup>, Mayuko Kogure<sup>1</sup>, Noriko Miyake<sup>3</sup>, Emiko Suzuki<sup>1</sup>  
*<sup>1</sup>Ochanomizu University, Japan, <sup>2</sup>Takasaki University of Health and Welfare, Japan, <sup>3</sup>Tokyo Kasei Gakuin University, Japan*
- PS-02-p-033 The role of zinc supplementation in IL-17- induced primary airway smooth muscle cells inflammation**  
Ai-Jhen Lee, Wei-Syuan Huang, Ya-ling Chiou  
*Hungkuang University, Taiwan*
- PS-02-p-034 Iron deficiency regulates oxidative stress via inducing anti-oxidant enzymes and activating autophagy**  
Hiroyuki Inoue<sup>1,2</sup>, Nobuaki Hanawa<sup>1,2</sup>, Nobuyuki Takahashi<sup>1,2</sup>, Mariko Uehara<sup>1,2</sup>  
*<sup>1</sup>Laboratory of Physiology and Metabolism, <sup>2</sup>Tokyo University of Agriculture, Japan*

# Program

- PS-02-p-035 The mechanisms of oligo Fucoidan inhibited abnormal growth of airway smooth muscle cells**  
Chiung-Fang Tsao, Ai-Jhen Lee, Ya-Ling Chiou  
*Hungkuang University, Taiwan*
- PS-02-p-036 Synergistic inhibition of cancer cell growth by a combination of delta-tocotrienol and ferulic acid**  
Takahiro Eitsuka<sup>1</sup>, Naoto Tatewaki<sup>1</sup>, Hiroshi Nishida<sup>1</sup>, Kiyotaka Nakagawa<sup>2</sup>, Teruo Miyazawa<sup>2</sup>  
*<sup>1</sup>Niigata University of Pharmacy and Applied Life Sciences, Japan, <sup>2</sup>Tohoku University, Japan*
- PS-02-p-037 Food-deprivation synchronizes cyclic feeding of zinc-deficient rats**  
Anna Arita, Haruka Tatehana, Yume Hatakeyama, Mami Horita, Yuko Yamazaki, Fumio Shimura  
*Jumonji University, Japan*
- PS-02-p-038 Influence of deficient zinc intake on preference for high- and low-fat diets in rats**  
Ayako Daizo, Noriko Komatuzaki, Hitomi Suzuki, Natumi Kanari, Yumiko Kikuchi  
*Seitoku University, Japan*
- PS-02-p-039 Effect of vitamin E deficiency on hypothalamic-pituitary-adrenal axis in rats**  
Shun Endo, Mikiko Nakama, Yuki Terada, Asako Takenaka  
*Meiji University, Japan*
- PS-02-p-040 Effect of short-term fasting on biomarkers and status of Vitamin C in Mice**  
Yoko Sato<sup>1</sup>, Emiko Suzuki<sup>1</sup>, Minami Murai<sup>1</sup>, Yasuko Sone<sup>2</sup>, Noriko Miyake<sup>3</sup>  
*<sup>1</sup>Ochanomizu University, Japan, <sup>2</sup>Takasaki University of Health and Welfare, Japan, <sup>3</sup>Tokyo Kasei Gakuin University, Japan*
- PS-02-p-041 The forms of vitamin B<sub>12</sub> in some seafood**  
Hiromi Katsura<sup>1</sup>, Yukio Doi<sup>2</sup>  
*<sup>1</sup>Kyoto Women's University, Japan, <sup>2</sup>Ryukoku University, Japan*
- PS-02-p-042 Magnesium cancels the extra-calcium-phosphorus-induced cell death of pre-chondrogenic cells**  
Hiroya Ueda, Sachie Nakatani, Ayumi Kawata, Kenji Kobata, Masahiro Wada  
*Josai University, Japan*
- PS-02-p-043 Regulation of alpha-klotho expression by dietary phosphate during growth periods**  
Shiori Fukuda<sup>1</sup>, Hironori Yamamoto<sup>2</sup>, Eiji Takeda<sup>1</sup>, Yutaka Taketani<sup>1</sup>  
*<sup>1</sup>Tokushima University, Japan, <sup>2</sup>Jin-ai University, Japan*
- PS-02-p-044 Effects of Dietary Protein Quantity and Quality on beta-Carotene and Vitamin A Metabolism-related Enzymes Gene expressions in rat**  
Takehiko Terashima, Nahar K. Akter, Masanori Shimizu, Sachiko Takase  
*Tokoha University, Japan*
- PS-02-p-045 Analysis of abnormal phosphorus metabolism in fasting status**  
Sarasa Tanaka, Hiromi Kawamura, Rie Tujii, Mayu Nakagawa, Motoyoshi Sakaue, Mikiko Ito  
*University of Hyogo, Japan*
- PS-02-p-046 Beta-cryptoxanthin acts as vitamin A**  
Katsuyuki Mukai<sup>1</sup>, Yoshiyuki Shirakura<sup>1</sup>, Makoto Inoue<sup>2</sup>  
*<sup>1</sup>UNITIKA LTD., Japan, <sup>2</sup>Aichi Gakuin University, Japan*
- PS-02-p-047 Disruption of intestinal alkaline phosphatase (Akp3) affects the phosphate homeostasis**  
Shihoko Yuki, Hiroko Segawa, Shohei Sasaki, Kayo Ikuta, Ichiro Kaneko, Toru Fujii, Ai Hanazaki, Shiori Nishiguchi, Keijirot Notsu, Eriko Aki, Yuji Shiozaki, Sawako Tatsumi, Ken-ichi Miyamoto  
*The University of Tokushima School of Medicine, Japan*
- PS-02-p-048 Effects Of Dietary Protein On Gene Expressions Of Enzymes Related To beta-Carotene Metabolism In Vitamin A Deficient Rats**  
Masanori Shimizu<sup>1</sup>, Takehiko Terashima<sup>1</sup>, Kazuhito Suruga<sup>2</sup>, Sachiko Takase<sup>1</sup>  
*<sup>1</sup>Tokoha University, Japan, <sup>2</sup>Prefectural University of Nagasaki-Siebold, Japan*
- PS-02-p-049 The effect of high phosphorus intake in rat lipid metabolism**  
Yukiko Imi, Yutaka Taketani, Maerjangan Abuduli, Norie Yabiki, Hirokazu Ominami, Yuri Taniguchi, Eiji Takeda  
*Tokushima University, Japan*

## Program

- PS-02-p-050 Tocotorienol improves the glucose tolerance in obese mice induced by high fat feeding**  
Haruka Sato<sup>1</sup>, Yuki Kawamura<sup>1</sup>, Shiho Tomino<sup>1</sup>, Mariko Sonoda<sup>1</sup>, Ikuyo Ichi<sup>1</sup>, Yasuko Sone<sup>2</sup>, Tomoko Ishikawa<sup>1</sup>, Yoko Fujiwara<sup>1</sup>  
*<sup>1</sup>Ochanomizu University, Japan, <sup>2</sup>Takasaki University of Health and Welfare, Japan*
- PS-02-p-051 Long-term effects of vitamin beverage on vitamin and Hcy levels in patients with coronary atherosclerosis**  
Kayo Yamamoto, Michiyo Sasagawa, Akihiko Nakagawa, Kouji Kajinami  
*Kanazawa Medical University Hospital, Japan*
- PS-02-p-052 Fortified Milk Consumption Among 6-Year Old Children: Changes In Biochemical Markers of Trace Minerals And Vitamins**  
Amster Fei P. Baquiran, Trinidad P. Trinidad, Aida C. Mallillin, Rosario S. Sagum, Marco P. De Leon, Melissa S. Borlagdan  
*Food and Nutrition Research Institute, Philippines*
- PS-02-p-053 Increased Calcium Absorption from Synthetic Stable Amorphous Calcium Carbonate**  
Nachum Vaisman<sup>1,2</sup>, Galit Shaltiel<sup>3</sup>, Michal Daniely<sup>3</sup>, Oren E. Meiron<sup>3</sup>, Assaf Shechter<sup>3</sup>, Steven A. Abrams<sup>4</sup>, Eva Niv<sup>1</sup>, Yami Shapira<sup>1</sup>, Amir Sagi<sup>5</sup>  
*<sup>1</sup>Tel Aviv Sourasky Medical Center, Israel, <sup>2</sup>Tel Aviv University, Israel, <sup>3</sup>Amorphical Company, Israel, <sup>4</sup>Baylor College of Medicine and Texas Children's Hospital, USA, <sup>5</sup>Ben-Gurion University of the Negev, Israel*
- PS-02-p-054 Effects of a combination of yogurt and galactooligosaccharides on phosphorus metabolism and bone strength in rats with hypochlorhydria**  
Satoshi Takasugi, Miho Akutsu, Masami Kitade, Masashi Nagata, Taketo Yamaji  
*Meiji Co., Ltd., Japan*
- PS-02-p-055 Dietary intakes of pantothenic acid and biotin of Korean adults**  
Ji Young Choi, Young-Nam Kim, Keum Jee Kang, Youn-Ok Cho  
*Duksung Women's University, Korea*
- PS-02-p-056 Oral administration of high-dose vitamin C does not affect health-promoting effects of endurance training in normal and type-2 diabetic rats**  
Jun Takebayashi, Michiko Kato, Teruki Matsumoto, Yoshiko Ishimi  
*National Institute of Health and Nutrition, Japan*
- PS-02-p-057 Vitamin D Deficiency Induces Mild Oxidative Stress In Rat Muscle And Treatment With 1,25(OH)2D3 Can Reverse Oxidative Stress Related Changes**  
Mehraj Uddin Bhat, Ayesha Ismail  
*National Institute of Nutrition, India*

## PM Nutritional Physiology 4

- PS-02-p-058 The regulatory effects of isoliquiritigenin on disease-related cytokines from peripheral blood mononuclear cells of SLE**  
Yong-Han Hong<sup>1</sup>, Shih-Wei Wang<sup>2</sup>, Yu-Chun Tsai<sup>2</sup>  
*<sup>1</sup>I-Shou University, Taiwan, <sup>2</sup>E-DA Hospital, Taiwan*
- PS-02-p-059 Reduced sucrose preferences in pregnant and lactating mice**  
Keisuke Tsuzuki, Setsuko Inoue  
*Bunkyo University, Japan*
- PS-02-p-060 Ingestion of restricted comfortable food improves social avoidance induced by social defeat stress**  
Airi Otsuka, Tetsuya Shiuchi, Sachiko Chikahisa, Junji Terao, Hiroyoshi Sei  
*The University of Tokushima, Japan*
- PS-02-p-061 Mechanism of enhancement of umami intensity by volatile fraction of kelp soup stock and IMP in brain**  
Miki Tokunaga<sup>1</sup>, Kaori Azeno<sup>1</sup>, Masami Niwa<sup>2</sup>, Kin-ya Kubo<sup>3</sup>, Yoshiyuki Hirano<sup>4</sup>, Junzo Mizuno<sup>5</sup>, Minoru Onozuka<sup>5</sup>, Toru Takahashi<sup>1</sup>  
*<sup>1</sup>Fukuoka Women's University, Japan, <sup>2</sup>Ibi Kosei Hospital, Japan, <sup>3</sup>Seijoh University, Japan, <sup>4</sup>Chiba University, Japan, <sup>5</sup>Kanagawa Dental College, Japan*

## Program

- PS-02-p-062 Associations between physical activity and sedentary behaviour with cognitive function among healthy adolescents in Kuala Lumpur, Malaysia**  
 Kar Hau Chong, Norimah A. Karim, Ponnusamy Subramaniam, Bee Koon Poh  
*Universiti Kebangsaan Malaysia, Malaysia*
- PS-02-p-063 Green Tea By Product Extract Improves the Cognitive Function in an Animal Model of Alzheimer's Disease**  
 Watcharaporn Preedapirom<sup>1</sup>, Rattiya Sombuthaweekul<sup>2</sup>, Nuntavan Bunyapraphatsara<sup>3</sup>, Niwat Taepavarapruk<sup>1</sup>, Pornnarin Taepavarapruk<sup>1</sup>  
<sup>1</sup>Naresuan University, Thailand, <sup>2</sup>Rangsit University, Thailand, <sup>3</sup>Mahidol University, Thailand
- PS-02-p-064 Norms for Developmental Milestone and Executive Function in South Indian children aged 2-5 years and association with anthropometric measures**  
 Sumithra Selvam<sup>1</sup>, Tinku Thomas<sup>1</sup>, Priya Shetty<sup>1</sup>, Vijaya Raman<sup>1</sup>, Deepti Khanna<sup>2</sup>, Ruchika Mehra<sup>2</sup>, Anura Kurpad<sup>1</sup>, Srinivasan K<sup>1</sup>  
<sup>1</sup>St. John's National Academy of Health Sciences, India, <sup>2</sup>GlaxoSmithKline (GSK) Consumer Healthcare Ltd, India
- PS-02-p-065 Individual response of the autonomic nervous system to the green odor of young barley grass extract**  
 Yasuyuki Aotsuka<sup>1</sup>, Yoshimitsu Okita<sup>2</sup>, Momoe Ukeguchi<sup>1</sup>, Isao Takahashi<sup>2</sup>, Motohiko Kimura<sup>2</sup>, Toshifumi Sugiura<sup>2</sup>, Harunobu Nakamura<sup>3</sup>  
<sup>1</sup>JPD Co., Ltd., Japan, <sup>2</sup>Shizuoka University, Japan, <sup>3</sup>Kobe University, Japan
- PS-02-p-066 Brain-specific *Phgdh* deficient mice exhibit decrease in serine enantiomers and sexually dimorphic behavioral alterations**  
 Haruka Imai<sup>1</sup>, Tadashi Ogo<sup>1</sup>, Takashi Ichinose<sup>1</sup>, Akane Nakahata<sup>1</sup>, Yasuhiro Shimizu<sup>1</sup>, Yutaka Kawarabayashi<sup>1</sup>, Keizo Takao<sup>2</sup>, Tsuyoshi Miyakawa<sup>3</sup>, Yoshio Hirabayashi<sup>4</sup>, Shigeki Furuya<sup>1</sup>  
<sup>1</sup>Kyushu University, Japan, <sup>2</sup>National Institute for Physiological Sciences, Japan, <sup>3</sup>Fujita Health University, Japan, <sup>4</sup>Riken Brain Institute Science, Japan
- PS-02-p-067 Effect of sphingomyelin-containing milk phospholipids concentrate feeding on learning and memory behavior in rats**  
 Mako Enokida<sup>1</sup>, Nozomi Kawai<sup>1</sup>, Takafumi Sato<sup>1</sup>, Asumi Shimosato<sup>1</sup>, Satoshi Higurashi<sup>2</sup>, Yuko Haruta<sup>2</sup>, Takashi Yamada<sup>1</sup>, Hidehiko Yokogoshi<sup>1</sup>  
<sup>1</sup>Chubu University, Japan, <sup>2</sup>Megmilk Snow Brand Co. Ltd., Japan
- PS-02-p-068 Nutritional and Psychological Factors Associated with Cognitive Ability among 12 to 13 Year-Old Malay Adolescents in Selangor, Malaysia**  
 Nurliyana Abdul Razak, Mohd Nasir Mohd Taib, Zalilah Mohd Shariff, Rohani Abdullah  
*Universiti Putra Malaysia, Malaysia*
- PS-02-p-069 Psychostimulant vs. Motor Effects of VIA Instant Coffee**  
 Alixandra H Fidler, Jesse White, Allison Feucht, Derek Hosier, Amanda Wise, Sean Mohney, Lonnie Lowery  
*University of Mount Union, USA*
- PS-02-p-070 Effects of Akamegashiwa (Japanese Mallotus) on Memory in Mice**  
 Kayoko Uezu<sup>1</sup>, Mika Honda<sup>1</sup>, Shihumi Fukuda<sup>1</sup>, Yuka Hoshiko<sup>1</sup>, Nagisa Hayashida<sup>1</sup>, Eiko Uezu<sup>2</sup>  
<sup>1</sup>Kwassui Women's University, Japan, <sup>2</sup>University of the Ryukyus, Japan
- PS-02-p-071 Consecutive feeding of prebiotics delays onset of learning and memory disorder and symptoms in senescence-accelerated model mice (SAM) P8**  
 Sadako Nakamura<sup>1</sup>, Kenichi Tanabe<sup>2</sup>, Tsuneyuki Oku<sup>1</sup>  
<sup>1</sup>Jumonji University, Japan, <sup>2</sup>University of Nagasaki, Japan
- PS-02-p-072 Effects of coffee intake on energy and lipid metabolism and locomotor activity of aged mice**  
 Keita Takahashi<sup>1,2</sup>, Kentaro Shimokado<sup>2</sup>, Akihito Ishigami<sup>1</sup>  
<sup>1</sup>Tokyo Metropolitan Institute of Gerontology, Japan, <sup>2</sup>Tokyo Medical and Dental University, Japan
- PS-02-p-073 Development of a reporter assay system to screen for phytochemicals mimicking the anti-aging effects of calorie restriction**  
 Chiba Takuya<sup>1</sup>, Ohata Yoshihisa<sup>1</sup>, Wang Zi<sup>1</sup>, Nishizono Shoko<sup>2</sup>, Shimokawa Isao<sup>3</sup>  
<sup>1</sup>Waseda University, Japan, <sup>2</sup>Sojo University, Japan, <sup>3</sup>Nagasaki University, Japan
- PS-02-p-074 Neuroprotection effect of rice extracts on hydrogen peroxide-induced cytotoxicity in PC12 cells**  
 Suvaraporn Sae-lim, Pimolvan Senavong  
*Thammasat University, Thailand*

## Program

- PS-02-p-075 Mutagenicity of polyunsaturated fatty acid peroxidation products in the standard Ames assay**  
 Petr Gruz<sup>1</sup>, Masatomi Shimizu<sup>1,2</sup>, Akemi Hosoda<sup>2</sup>, Akiko Kojo<sup>2</sup>, Yukio Usui<sup>2</sup>, Kei-ichi Sugiyama<sup>1</sup>, Masamitsu Honma<sup>1</sup>  
<sup>1</sup>National Institute of Health Sciences, Japan, <sup>2</sup>Tokyo Healthcare University, Japan
- PS-02-p-076 Chronological accumulation of elongation factor and the intensified autofluorescence by the advanced glycation in the nematode *Caenorhabditis elegans***  
 Tomomi Komura<sup>1,2</sup>, Mikihiro Yamanaka<sup>1</sup>, Keita Hara<sup>1</sup>, Yumiko Nakatani<sup>2</sup>, Maiko Kato<sup>2</sup>, Yuya Hinode<sup>2</sup>, Eriko Kage-Nakadai<sup>2</sup>, Yoshikazu Nishikawa<sup>2</sup>  
<sup>1</sup>SHARP Corporation, Japan, <sup>2</sup>Osaka City University, Japan
- PS-02-p-077 The effect of high-fat diet intake with aging on lipid absorption ability**  
 Kazushi Yamamoto, Tsuyoshi Tsuduki  
 Tohoku University, Japan
- PS-02-p-078 Comparison of the health benefits of different eras of Japanese foods in mice**  
 Tsuyoshi Tsuduki<sup>1</sup>, Shuang E<sup>1</sup>, Kazushi Yamamoto<sup>1</sup>, Yu Hatakeyama<sup>1</sup>, Yu Sakamoto<sup>1</sup>, Yuri Jibu<sup>2</sup>, Yuki Kawakami<sup>2</sup>  
<sup>1</sup>Tohoku University, Japan, <sup>2</sup>Okayama Prefectural University, Japan
- PS-02-p-079 Analysis of the chemical composition of the cortical tibial bone using ovariectomized rats**  
 Yuichi Noma, Umon Agata, Yuki Aikawa, Shoyo Kato, Naomi Omi  
 University of Tsukuba, Japan
- PS-02-p-080 Carnosic acid mediates neuroprotection through upregulation of optic atrophy 1 in SH-SY5Y neuronal cells**  
 Chia-Wen Tsai, Wen-Jiun Chen  
 China Medical University, Taiwan
- PS-02-p-081 Effect of Dietary Rare Sugar D-Psicose on Life Span in Rats Fed a High-fat Diet**  
 Shunsuke Higaki<sup>1</sup>, Tatsuhiro Matsuo<sup>2</sup>  
<sup>1</sup>Ehime University, Japan, <sup>2</sup>Kagawa University, Japan
- PS-02-p-082 Exercise, dietary habits, and physical strength in Japanese women participating in a health promotion program for the elderly**  
 Yukari Jono<sup>1</sup>, Fuko Matsumoto<sup>1</sup>, Yuri Kanesada<sup>1</sup>, Chiaki Yamashita<sup>1</sup>, Kayoko Yamazaki<sup>1</sup>, Mikio Nakao<sup>2</sup>, Naoko Komenami<sup>1</sup>  
<sup>1</sup>Kyoto Women's University, Japan, <sup>2</sup>Osaka University of Economics, Japan
- PS-02-p-083 Small intestinal functions decline with aging in senescence-accelerated mice**  
 Kai Aoki, Kotomi Shimokobe, Shoko Omiya, Takuji Suzuki  
 Yamagata University, Japan
- PS-02-p-084 The effect of daily oral function training in the elderly who participate in long-term strength training program for preventive care**  
 Naomi Hirano<sup>1</sup>, Hiromi Yamashita<sup>2</sup>, Noriko Tanaka<sup>2</sup>, Aya Kaizaki<sup>3</sup>, Rie Shimonaka<sup>2</sup>, Mitsuru Nakamura<sup>4</sup>  
<sup>1</sup>Kobe Women's Junior College, Japan, <sup>2</sup>Kobe Women's University, Japan, <sup>3</sup>Ritsumeikan Global Innovation Research Organization, Japan, <sup>4</sup>Meiji School of Oriental Medicine, Japan
- PS-02-p-085 Result of Taste and Olfactometry -Yakumo-cho Inhabitants medical examination-**  
 Naomi Katayama  
 Nagoya Women's University, Japan
- PS-02-p-086 Effects of dietary (-)-epigallocatechin-3-gallate (EGCG) supplementation on mitochondrial biogenesis in muscle of senescence-accelerated mouse**  
 Hung-Wen Liu<sup>1</sup>, Yin-Ching Chan<sup>2</sup>, Ming-Fu Wang<sup>2</sup>, Sue-Joan Chang<sup>1</sup>  
<sup>1</sup>National Cheng Kung University, Taiwan, <sup>2</sup>Providence University, Taiwan
- PS-02-p-087 EGCG supplementation attenuates age-related fatty liver in Senescence-accelerated mouse (SAM) prone 8 (SAMP8)**  
 Chu-Chun Wei<sup>1</sup>, Hung-Wen Liu<sup>1</sup>, Yin-Ching Chan<sup>2</sup>, Ming-Fu Wang<sup>2</sup>, Sue-Joan Chang<sup>1</sup>  
<sup>1</sup>National Cheng Kung University, Taiwan, <sup>2</sup>Providence University, Taiwan
- PS-02-p-088 Home health care of a Japanese woman in her 90s who is fed with gastrostoma tubes**  
 Amino Nakamashi<sup>1</sup>, Kayoko Uezu<sup>2</sup>, Yurina Kayou<sup>1</sup>, Ai Takama<sup>1</sup>, Eiko Uezu<sup>1</sup>  
<sup>1</sup>University of the Ryukyus, Japan, <sup>2</sup>Kwassui Women's University, Japan

# Program

**PS-02-p-089 Cognitive performance in relation to nutrient adequacy, anthropometric indicators and socio-demographics in Thai school-aged children**

Kusol - Soonthorndhada<sup>1</sup>, Nipa - Rojrungwasinkul<sup>1</sup>, Wanphen - Wimonpeerapattana<sup>1</sup>, Kamolchanok - Khumsuwan<sup>1</sup>, Atitada - Boonpraderm<sup>1</sup>, Ilse - Khouw<sup>2</sup>

<sup>1</sup>Mahidol University, Thailand, <sup>2</sup>Friesland Campina Development Centre AMEA, Singapore

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**PS-02-p-090 Curcumin may exhibit physiological functions via proteo-stress**

Akira Murakami, Eri Nakahata, Cindy Valentine, Kohta Ohnishi, Kazuhiro Irie

Kyoto University, Japan

**PS-02-p-091 Effects of Aronia Extract and its Components on Skeletal Muscle**

Yoshihisa Nakano<sup>1,2</sup>, Masahiro Ogawa<sup>1</sup>, Misa Ogushi<sup>1</sup>, Tomoya Kitakaze<sup>1</sup>, Takenori Nakagaki<sup>3</sup>, Maria Yotova<sup>3</sup>, Margaritka Boncheva<sup>4</sup>, Tanya Tarnovska<sup>5</sup>, Hiroshi Inui<sup>1</sup>

<sup>1</sup>Osaka Prefecture University, Japan, <sup>2</sup>Osaka Woman Junior College, Japan, <sup>3</sup>Nakagaki Consulting Engineer & Co., Ltd, Japan, <sup>4</sup>Medical University-Varna, Bulgaria, <sup>5</sup>Medical University-Plovdiv, Bulgaria

**PS-02-p-092 Anti-atherosclerotic effect of Ursolic acid and derivatives by the expression of cell adhesion molecules induced by TNF- alpha**

Mika Mochizuki<sup>3</sup>, Taichi Uozumi<sup>1</sup>, Shinsuke Hisaka<sup>2</sup>, Toshihiko Osawa<sup>3</sup>

<sup>1</sup>Nagoya University, Japan, <sup>2</sup>Meijo University, Japan, <sup>3</sup>Aichi Gakuin University, Japan

**PS-02-p-093 Evaluation of aqueous extract of Psidium guajava L. budding leaves on improvement of symptoms in STZ-induced SD rats**

Shu Ming Huang

National Chung Hsing University, Taiwan

**PS-02-p-094 Flaxseed lignan decreased histone deacetylase and methyl-CpG-binding domain protein gene expression in murine adipocytes**

Yeong Rhee

North Dakota State University, USA

**PS-02-p-095 Piceatannol and its metabolites up-regulate SIRT1 and autophagy-related gene expression in THP-1 human monocytic cell line**

Shinpei Kawakami, Takayuki Yamamoto, Hiroko Maruki-Uchida, Masahiko Sai, Tatsuhiko Ito

Morinaga & Co., Ltd., Japan

**PS-02-p-096 Terminalia bellirica extract inhibits LPS-induced inflammatory mediators expression in RAW 264 cells**

Miori Tanaka<sup>1</sup>, Emi Saita<sup>1</sup>, Norie Sugihara-Suzuki<sup>1</sup>, Saori Takenaka<sup>1</sup>, Tomoyasu Kamiya<sup>2</sup>, Chie Taguchi<sup>1</sup>, Yoshimi Kishimoto<sup>1</sup>, Kazuo Kondo<sup>1</sup>

<sup>1</sup>Ochanomizu University, Japan, <sup>2</sup>Toyo Shinyaku Co., Ltd., Japan

**PS-02-p-097 Antihypertensive effect of Sargassum horneri (Akamoku) fermented with Lactobacillus plantarum**

Satoshi Shimizu<sup>1</sup>, Utano Nakamura<sup>1</sup>, Hiroshi Sansawa<sup>2</sup>, Hiroshi Nagai<sup>1</sup>, Naoko Hamada-Sato<sup>1</sup>

<sup>1</sup>The Graduate School of Marine Science and Technology, Course of Safety Management in Food Supply Chain, Japan, <sup>2</sup>Nihon Bio Corporation, Japan

**PS-02-p-098 Studies on Japanese traditional seaweed dishes as functional foods**

Masako Toyohara<sup>1</sup>, Haruhiko Toyohara<sup>2</sup>, Hisashi Yoshioka<sup>3</sup>, Akira Kamata<sup>4</sup>, Takuya Sugahara<sup>5</sup>

<sup>1</sup>Kyoto Kacho University, Japan, <sup>2</sup>Kyoto University, Japan, <sup>3</sup>Maruha Nichiro Corporation, Japan, <sup>4</sup>Maruha Nichiro Corporation, Japan, <sup>5</sup>Ehime University, Japan

**PS-02-p-099 Screening of GPR120 activation by various long-chain fatty acids using TGFalpha shedding assay**

Ikumi Morimoto<sup>1</sup>, Sayoko Yoshii<sup>1</sup>, Asuka Inoue<sup>2</sup>, Junken Aoki<sup>2</sup>, Shigeki Higashiyama<sup>3</sup>, Morikatsu Yoshida<sup>4</sup>, Mikiya Miyazato<sup>4</sup>, Rieko Nakata<sup>1</sup>, Hiroyasu Inoue<sup>1</sup>

<sup>1</sup>Nara Women's University, Japan, <sup>2</sup>Tohoku University, Japan, <sup>3</sup>Ehime University, Japan, <sup>4</sup>National Cerebral and Cardiovascular Center Research Institute, Japan



## Program

- PS-02-p-100 Effect of lactoferrin on hypercholesterolemia, 1st report: Preventive effect of lactoferrin on hypercholesterolemia in a diet-induced atherosclerosis model using Microminipigs**  
 Satoru Morishita<sup>1,2</sup>, Hiroaki Kawaguchi<sup>3</sup>, Tomoji Ono<sup>1,4</sup>, Naoki Miura<sup>3</sup>, Michiaki Murakoshi<sup>1,5</sup>, Keikichi Sugiyama<sup>1,6</sup>, Hisanori Kato<sup>2</sup>, Akihide Tanimoto<sup>3</sup>, Hoyoku Nishino<sup>5,6</sup>  
<sup>1</sup>Lion Corporation, Japan, <sup>2</sup>The University of Tokyo, Japan, <sup>3</sup>Kagoshima University, Japan, <sup>4</sup>Yokohama City University, Japan, <sup>5</sup>Kyoto Prefectural University of Medicine, Japan, <sup>6</sup>Ritsumeikan University, Japan
- PS-02-p-101 Effect of lactoferrin on hypercholesterolemia, 2nd report: Promotion of fecal cholesterol excretion by lactoferrin through reducing micellar solubility of cholesterol**  
 Kanae Nakamura<sup>1</sup>, Asami Aoki<sup>1</sup>, Satoru Morishita<sup>1,2</sup>, Tomoji Ono<sup>1,3</sup>, Takayasu Kubozono<sup>1</sup>, Michiaki Murakoshi<sup>1,4</sup>, Keikichi Sugiyama<sup>1,5</sup>, Hisanori Kato<sup>2</sup>, Ikuo Ikeda<sup>6</sup>, Hoyoku Nishino<sup>4,5</sup>  
<sup>1</sup>Lion Corporation, Japan, <sup>2</sup>The University of Tokyo, Japan, <sup>3</sup>Yokohama City University, Japan, <sup>4</sup>Kyoto Prefectural University of Medicine, Japan, <sup>5</sup>Ritsumeikan University, Japan, <sup>6</sup>Tohoku University, Japan
- PS-02-p-102 Exploration of the potentiated anti-atherosclerotic effect of Lion's mane mushroom extract (Hericium erinaceus) on EA.hy 926 endothelial cells**  
 Jian-You Pan<sup>1</sup>, Jih-Hao Pan<sup>1</sup>, Meng-Chang Shieh<sup>1</sup>, Hsin-Lin Yang<sup>2</sup>, You-Cheng Hseu<sup>2</sup>, Hebron C Chang<sup>1</sup>  
<sup>1</sup>Asia University, Taiwan, <sup>2</sup>China Medical University, Taiwan
- PS-02-p-103 Anti-oxidative and anti-inflammatory effects of Aronia melanocarpa extract in vascular endothelial cells**  
 Yuki Kudome, Emi Saita, Norie Sugihara-Suzuki, Fumika Kamijyo, Eri Arai, Chie Taguchi, Yoshimi Kishimoto, Kazuo Kondo  
 Ochanomizu University, Japan
- PS-02-p-104 Effect of Pterocarpus marsupium extract on LDL oxidation and vascular endothelial inflammation**  
 Eri Arai, Emi Saita, Norie Sugihara-Suzuki, Fumika Kamijo, Yuki Kudome, Chie Taguchi, Yoshimi Kishimoto, Kazuo Kondo  
 Ochanomizu University, Japan
- PS-02-p-105 An evaluation system using mice for ameliorating effect of food components on human chilliness**  
 Daiki Yokoyama<sup>1</sup>, Daisuke Kameyama<sup>1,2</sup>, Kazuhumi Miyoshi<sup>1</sup>, Toshiyuki Nakamura<sup>1</sup>, Tatsuo Watanabe<sup>1</sup>  
<sup>1</sup>University of Shizuoka, Japan, <sup>2</sup>Shioda Foods CO., Ltd., Japan
- PS-02-p-106 Hepatoprotective and antioxidant activities of oyster enzymatic hydrolysate and identification of its active compounds**  
 Eun Young Park<sup>1</sup>, Marie Hanada<sup>1</sup>, Yasushi Nakamura<sup>2</sup>, Kenji Sato<sup>3</sup>  
<sup>1</sup>Kyoto Prefectural University, Japan, <sup>2</sup>Kyoto Prefectural University, Japan, <sup>3</sup>Kyoto University, Japan
- PS-02-p-107 Kabita Biscuits: Snacks from Sweet Potatoes, Anchovies, Peanuts, Carrots, and Sauropus androgynus for Supporting Growth and Immunity in School-Aged Children**  
 Ajeng Mustika, Agatha So, Rizky W. Pradini  
 University of Indonesia, Indonesia
- PS-02-p-108 Effects of Lychee Fruit Polyphenol on Lipid Metabolism in HepG2 Cells**  
 Emi Saita<sup>1</sup>, Tomoka Fujisawa<sup>1</sup>, Norie Suzuki-Sugihara<sup>1</sup>, Kentaro Kitadate<sup>2</sup>, Chie Taguchi<sup>1</sup>, Yoshimi Kishimoto<sup>1</sup>, Kazuo Kondo<sup>1</sup>  
<sup>1</sup>Ochanomizu University, Japan, <sup>2</sup>Amino Up Chemical Co., Ltd., Japan
- PS-02-p-109 Rice koji extract enhances lipid metabolism through PPAR alpha activation in mouse primary hepatocytes**  
 Hsin-Yi Chi<sup>1</sup>, Teruo Kawada<sup>1</sup>, Tsuyoshi Goto<sup>1</sup>, Hiroyasu Inoue<sup>3</sup>, Rieko Nakata<sup>3</sup>, Noriyoshi Ichijo<sup>2</sup>, Keiji Nakata<sup>2</sup>, Haruya Takahashi<sup>1</sup>, Shinsuke Mohri<sup>1</sup>, Kosuke Kamakari<sup>1</sup>  
<sup>1</sup>Kyoto University, Japan, <sup>2</sup>Marusa Shoji Corporation, Japan, <sup>3</sup>Nara Women's University, Japan
- PS-02-p-110 Differences in effects of equol enantiomers in vivo and in vitro**  
 Shungo Fujii<sup>1</sup>, Hirofumi Inoue<sup>1</sup>, Nobuyuki Takahashi<sup>1</sup>, Tomomi Ueno<sup>2</sup>, Shigeto Uchiyama<sup>2</sup>, Mariko Uehara<sup>1</sup>  
<sup>1</sup>Tokyo University of Agriculture, Japan, <sup>2</sup>Otsuka Pharmaceutical Co., Ltd., Japan
- PS-02-p-111 Multi-faceted integrated omics suggested suppressive roles of coriander in cellular methylation in dextran sodium sulphate induced colitic mice**  
 Huijuan Jia<sup>1</sup>, Wanping Aw<sup>2</sup>, Manaka Hanate<sup>1</sup>, Hisanori Kato<sup>1</sup>  
<sup>1</sup>The University of Tokyo, Japan, <sup>2</sup>Keio University, Japan

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- PS-02-p-112 Pacific oyster-derived polysaccharides attenuate allergic response in a murine model of food allergy**  
Tong-Rong Jan  
*National Taiwan University, Taiwan*
- PS-02-p-113 The improvement of physical performance by S-allyl-L-cysteine**  
Yoshiyuki Shirakura, Natsumi Ichimura, Katsuhiko Takayanagi, Katsuyuki Mukai  
*UNITIKA LTD, Japan*
- PS-02-p-114 Piceatannol and its metabolites up-regulate UCP1 gene expression in differentiated adipocyte**  
Takayuki Yamamoto, Hiroko Maruki-Uchida, Shinpei Kawakami, Masahiko Sai, Tatsuhiko Ito  
*MORINAGA & CO., LTD., Japan*
- PS-02-p-115 A novel dietary intervention by the supplementation with egg shell membrane powder suppresses Complete Freund's adjuvant-induced arthritis in rats**  
Hisanori Kato<sup>1</sup>, Huijuan Jia<sup>1</sup>, Manaka Hanate<sup>1</sup>, Wanping Aw<sup>2</sup>, Yukio Hasebe<sup>3</sup>  
*<sup>1</sup>The University of Tokyo, Japan, <sup>2</sup>Keio University, Japan, <sup>3</sup>ALMADO inc, Japan*
- PS-02-p-116 Application of hepatic cytochrome P450 (CYP) gene expression as index for safety assessment of herbal supplements**  
Misaki Kurawaka, Ha Ngoc Bui, Yumi Nemoto, Mizuho Hoashi, Naho Sasaki, Yuko Yamazaki, Fumio Shimura  
*Jumonji University, Japan*
- PS-02-p-117 Antioxidant activities in *Citrus medica L. varlinetta* between fresh and storage**  
Wanwisa Sankomkai<sup>1</sup>, Uthaiwan Suttisunsanee<sup>1</sup>, Pimpinun Somsong<sup>2</sup>, Warankana Srichamnong<sup>1</sup>  
*<sup>1</sup>Mahidol University, Thailand, <sup>2</sup>Chulalongkorn University, Thailand*
- PS-02-p-118 The substance contained in soybeans inhibit influenza virus replication**  
Miwa Iwai<sup>1</sup>, Emiko Nagai<sup>2</sup>, Yuri Suzuki<sup>1</sup>, Yuuji Isegawa<sup>1</sup>  
*<sup>1</sup>Mukogawa Women's University, Japan, <sup>2</sup>Osaka Prefecture University, Japan*
- PS-02-p-119 Inhibition of influenza-virus replication by adlay tea and the extracts of the tea components**  
Emiko Nagai<sup>1,2</sup>, Miwa Iwai<sup>2</sup>, Hiroshi Inui<sup>1</sup>, Yuuji Isegawa<sup>2</sup>  
*<sup>1</sup>Osaka Prefecture University, Japan, <sup>2</sup>Mukogawa Women's University, Japan*
- PS-02-p-120 Enterolactone Promotes Glucose Uptake Through GLUT4 Translocation Via AMPK Activation In Muscle Cells and Suppresses Hyperglycemia In T2D Model Mice**  
Kazumi Yagasaki<sup>1,2</sup>, Fang Zhou<sup>2</sup>, Keisuke Furuhashi<sup>2</sup>, Myoung Jin Son<sup>2</sup>, Miku Toyozaki<sup>1</sup>, Yutaka Miura<sup>2</sup>  
*<sup>1</sup>Utsunomiya University, Japan, <sup>2</sup>Tokyo University of Agriculture and Technology, Japan*
- PS-02-p-121 Environmental chemical-like action of kavalactones used in anxiolytic herbal supplements**  
Naho Sasaki<sup>1</sup>, Hiroko Hashida<sup>1,2</sup>, Misaki Takeda<sup>1</sup>, Ayako Fujiwara<sup>1</sup>, Haruka Miyata<sup>1</sup>, Yuko Yamazaki<sup>1</sup>, Fumio Shimura<sup>1</sup>  
*<sup>1</sup>Jumonji University, Japan, <sup>2</sup>Showa Gakuin Junior College, Japan*
- PS-02-p-122 Induction of heme oxygenase-1 with quercetin reduces obesity-induced hepatic inflammation through macrophage phenotype switching**  
Chu-Sook Kim, Rina Yu  
*University of Ulsan, Korea*
- PS-02-p-123 Collagen from jellyfish stimulates mouse bone marrow-derived dendritic cells**  
Agus Budiawan Naro Putra<sup>1</sup>, Kosuke Nishi<sup>1</sup>, Ryusuke Shiraishi<sup>2</sup>, Mikiharu Doi<sup>2</sup>, Takuya Sugahara<sup>1</sup>  
*<sup>1</sup>Ehime University, Japan, <sup>2</sup>Marutomo Co., Ltd., Japan*
- PS-02-p-124 The Utilization of Mangosteen (*Garcinia Mangostana* Linn) Pericarp to Develop Instant Pudding for Cancer Patients**  
Tiurma Sinaga, Reisi Nurdiani, Marisya Fitriyani  
*Bogor Agricultural University, Indonesia*
- PS-02-p-125 Suppressive effect of mango ethanol extract on IgE production**  
Tomoko Sasaki<sup>1</sup>, Michiyo Kondo<sup>1</sup>, Kosuke Nishi<sup>1</sup>, Takeshi Tamamoto<sup>2</sup>, Takuya Sugahara<sup>1</sup>  
*<sup>1</sup>Ehime University, Japan, <sup>2</sup>Okinawa Miyako-ichiba, Japan*
- PS-02-p-126 Phenolic content of finger millet (*Elucine coracana*) porridges subjected to different processing methods and their antioxidant activities**  
Disna K D Kumari, Anoma G Chandrasekara, Indraneela Senanayake  
*Wayamba University of Sri Lanka, Sri Lanka*

# Program

- PS-02-p-127 Comparison of anti-diabetic effects of green rooibos extract and aspalathin using cell cultures**  
Yutaka Miura, Yumiko Shimizu, Remi Kamakura, Myoung Jin Son, Kazumi Yagasaki  
*Tokyo University of Agriculture and Technology, Japan*
- PS-02-p-128 Inhibition of alpha-glucosidase activity and glucose absorption by lignosulfonic acid**  
Yasushi Hasegawa, Satoshi Kawaminami, Yukiya Kadota  
*Muroran Institute of Technology, Japan*
- PS-02-p-129 Effects of beta-glucan content and barley pearling process on the parameters related to metabolic syndrome in diet-induced obese mice**  
Seiichiro Aoe<sup>1</sup>, Yasunori Ichinose<sup>2</sup>, Noriko Kohyama<sup>2</sup>, Kozo Komae<sup>2</sup>, Asuka Takahashi<sup>2</sup>, Toji Yoshioka<sup>2</sup>, Takashi Yanagisawa<sup>2</sup>  
<sup>1</sup>*Otsu Women's University, Japan*, <sup>2</sup>*National Agriculture and Food Research Organization, Japan*
- PS-02-p-130 Mangosteen (*Garcinia mangostana* L.) extract inhibit the formation of AGEs in vitro and in vivo**  
Hikari Sugawa<sup>1</sup>, Rei-ichi Ohno<sup>1</sup>, Kazuhiro Maejima<sup>2</sup>, Musashi Saigusa<sup>2</sup>, Mikihiro Yamanaka<sup>1</sup>, Mime Nagai<sup>1</sup>, Morio Yoshimura<sup>3</sup>, Yoshiaki Amakura<sup>3</sup>, Ryoji Nagai<sup>1</sup>  
<sup>1</sup>*Tokai University, Japan*, <sup>2</sup>*Nippon Shinyaku Co., LTD, Japan*, <sup>3</sup>*Matsuyama University, Japan*
- PS-02-p-131 Effects of newly developed sweeteners containing D-allulose and other rare sugars on body fat accumulation in rats**  
Kohei Misaki<sup>1</sup>, Takako Yamada<sup>2</sup>, Pushpa K. Gullapalli<sup>2</sup>, Kazuhiro Okuma<sup>2</sup>, Tatsuhiro Matsuo<sup>1</sup>  
<sup>1</sup>*Kagawa University, Japan*, <sup>2</sup>*Matsutani Chemical Industry Co., Ltd., Japan*
- PS-02-p-132 Ecklonia cava ameliorates hyperglycemia and insulin resistance in C57BL/KsJ-db/db mice**  
Seung-Hong Lee, Sun Hee Cheong  
*Konkuk University, Korea*
- PS-02-p-133 The fruit of *Acanthopanax Senticosus Harms* improved the lipid metabolism in high-fat fed mice**  
Tetsuo Saito, Miyako Nishida, Masafumi Saito, Takahiro Eitsuka, Hiroshi Nishida  
*Niigata University of Pharmacy and Applied Life Sciences, Japan*
- PS-02-p-134 The effects of white sweet potato (*Ipomoea batatas* L.) intervention on diabetic mice**  
Sing-Chung Li<sup>1</sup>, Peng-Ju Chen<sup>2</sup>, Hui-Ting Hu<sup>1</sup>, Yi-Jing Su<sup>1</sup>, Yu-Hsuan Chen<sup>1</sup>, Chiao-Ming Chen<sup>2</sup>  
<sup>1</sup>*Taipei Medical University, Taiwan*, <sup>2</sup>*Shih Chien University, Taiwan*
- PS-02-p-135 Isolation and Characterization of probiotics from Sri Lankan finger millet (*Elucine coracana*)**  
D M W D Divisekera<sup>1</sup>, J K R R Samarasekera<sup>1</sup>, C Hettiarachchi<sup>2</sup>, J Gooneratne<sup>1</sup>, S Gopalakrishnan<sup>3</sup>  
<sup>1</sup>*Industrial Technology Institute, Sri Lanka*, <sup>2</sup>*University of Colombo, Sri Lanka*, <sup>3</sup>*International Crops Research Institute for the Semi-Arid Tropics, India*
- PS-02-p-136 Effect of chondroitin sulfate on glycosaminoglycan production in human skin fibroblasts**  
Kanna Tanaka, Masahiro Wada, Kenji Kobata, Sachie Nakatani, Noriko Watanabe  
*Josai University, Japan*
- PS-02-p-137 A multi-grain koji supplementation diet improved body fat percentage and the intestinal microflora in women attending college**  
Mariko Asano<sup>1</sup>, Akihiro Maeta<sup>1</sup>, Takafumi Iguchi<sup>2</sup>, Takayuki Segawa<sup>2</sup>, Toshiro Watanabe<sup>2</sup>, Kyoko Takahashi<sup>1</sup>  
<sup>1</sup>*Mukogawa women's University, Japan*, <sup>2</sup>*Yaegaki Bio-Industry, Inc., Japan*
- PS-02-p-138 Comparison of the Effects of Four Major Catechins of Green Tea on Gene Expression Profile in Vascular Endothelial Cells**  
Norie Suzuki-Sugihara<sup>1</sup>, Yoshimi Kishimoto<sup>1</sup>, Emi Saita<sup>1</sup>, Chie Taguchi<sup>1</sup>, Makoto Kobayashi<sup>2</sup>, Yuichi Ukawa<sup>2</sup>, Yuko Sagesaka<sup>2</sup>, Hisanori Kato<sup>3</sup>, Kazuo Kondo<sup>1</sup>  
<sup>1</sup>*Ochanomizu University, Japan*, <sup>2</sup>*ITO EN, LTD., Japan*, <sup>3</sup>*The University of Tokyo, Japan*
- PS-02-p-139 Effect of ginger powder ingestion on resting and moderate exercising metabolic rate**  
Akira Ando<sup>1</sup>, Masatomo Nakagawa<sup>2</sup>, Shigeji Muramatsu<sup>2</sup>  
<sup>1</sup>*University of Tsukuba, Japan*, <sup>2</sup>*Chiba University, Japan*
- PS-02-p-140 Protective effect of garlic organosulfur compounds against oxidative DNA damage in vascular smooth muscle cells**  
Mi Hyang Lee<sup>1</sup>, Oh Yoen Kim<sup>2</sup>, Juhyun Song<sup>3</sup>, Jung Hyun Kwak<sup>1</sup>  
<sup>1</sup>*Yonsei University, Korea*, <sup>2</sup>*Dong-A University, Korea*, <sup>3</sup>*Yonsei University College of Medicine, Korea*

# Program

- PS-02-p-141 Effects of Harvest Seasons and Processing Conditions on Antioxidative Potentials of Tajima-Yomogi in Hyogo**  
Naoko Hiramatsu, Marumi Ida  
*University of Hyogo, Japan*
- PS-02-p-142 Intestinal Absorption and Metabolites of Clovamide and Caffeoyl Tyrosine, which Show Hepatoprotective and Anti-hypertensive Activities**  
Kiharu Igarashi, Ai Kaneko, Kayoko Sudo  
*Yamagata University, Japan*
- PS-02-p-143 Dietary syringic acid improves diet-induced hepatosteatosis and insulin resistance in mice**  
Ju Ri Ham, Hae-In Lee, Ra-Yeong Choi, Mi-Kyung Lee  
*Sunchon National University*
- PS-02-p-144 Dietary fiber-rich black currant extract regulates hepatic lipid metabolism and inflammation in diabetic mice**  
Yuki Ueno<sup>1</sup>, Naomi Kobayashi<sup>1</sup>, Manami Tanaka<sup>1</sup>, Ai Hamada<sup>1</sup>, Haruka Kondo<sup>1</sup>, Yosuke Takimoto<sup>2</sup>, Toshihiko Osawa<sup>1</sup>  
*<sup>1</sup>Aichi Gakuin University, Japan, <sup>2</sup>Healthcare Systems Co., Ltd, Japan*
- PS-02-p-145 Influence of intake of whey protein concentrate on intestinal bacterial flora and chronic inflammation in C57BL/6J mice**  
Ayumi Isaka<sup>1</sup>, Chisa Nishimura<sup>1</sup>, Mayuko Kogure<sup>1</sup>, Yukari Takase<sup>1</sup>, Kaori Kitamura<sup>2</sup>, Miwako Koizumi<sup>1</sup>, Emiko Suzuki<sup>1</sup>  
*<sup>1</sup>Ochanomizu University, Japan, <sup>2</sup>Asama Chemical Co., Ltd, Japan*
- PS-02-p-146 Effects of Quercetin on Uterine Contraction and Ca<sup>2+</sup> Mobilization in Rats in Vivo and in Vitro**  
Shih-Min Hsia, Chi-Hao Wu  
*Taipei Medical University, Taiwan*
- PS-02-p-147 Effect of *n*-hexanal on concentration changes of dopamine and its metabolites in living rats using microdialysis system**  
Hironari Kako<sup>1</sup>, Yoko Kobayashi<sup>2</sup>, Hidehiko Yokogoshi<sup>3</sup>  
*<sup>1</sup>Tottori college, Japan, <sup>2</sup>Kiryu University, Japan, <sup>3</sup>Chubu University, Japan*
- PS-02-p-148 Astaxanthin against advanced glycation endproducts formation**  
Ssu Yu Hsu, Chen-Huan Yu, Ming-Ya Kong, Shih-Hong Khoo, Chi-Hao Wu  
*Taipei Medical University, Taiwan*
- PS-02-p-149 Mukitake mushroom (*Panellus serotinus*) alleviates nonalcoholic fatty liver disease and inflammation in db/db mice**  
Teruyoshi Yanagita<sup>1</sup>, Hiroaki Yotsumoto<sup>1</sup>, Koji Nagao<sup>2</sup>, Nao Inoue<sup>3</sup>, Masashi Inafuku<sup>4</sup>  
*<sup>1</sup>Nishikyushu University, Japan, <sup>2</sup>Saga University, Japan, <sup>3</sup>Tohoku University, Japan, <sup>4</sup>The University of Ryukyus, Japan*
- PS-02-p-150 Cleavage of carotenoids (Beta-carotene, lycopene and zeaxanthin) to flavor compounds by a recombinant extracellular peroxidase of *Thermobifida fusca* (TfuDyP)**  
Irum Perveen, Shama Sehar, Safia Ahmed  
*Quaid-i-Azam University, Pakistan*
- PS-02-p-151 A new production process for demineralized whey for infant formula**  
Teiichiro Okawa<sup>1</sup>, Yoshihiko Ushida<sup>1</sup>, Masayuki Shimada<sup>1</sup>, Nobuo Seki<sup>1</sup>, Naoki Watai<sup>1</sup>, Masatoshi Ohnishi<sup>1</sup>, Yoshitaka Tamura<sup>1</sup>, Akira Ito<sup>2</sup>  
*<sup>1</sup>Morinaga Milk Industry Co., Ltd., Japan, <sup>2</sup>Tokyo Institute of Technology, Japan*
- PS-02-p-152 Bioactive Compounds and Antioxidant Activity of Mandarin Peel Extract Using Low Power Ultrasound-Assisted Extraction**  
Suriyaporn - Nipornram<sup>1,2</sup>, Riantong Singanusong<sup>2</sup>, Worasit Tochampa<sup>2</sup>, Puntarika Rattanatraiwong<sup>2</sup>  
*<sup>1</sup>Rajamangala University of Technology Lanna, Thailand, <sup>2</sup>Naresuan University, Thailand*
- PS-02-p-153 Optimized pre-gelatinized germinated brown rice for application in improving textural characteristics of instant drink produced from extrusion process**  
Chulaluck Charunuch, Waraporn Prasert, Nipat Limsangouan, Pisut Butsuwan, Worapol Pengpinit  
*Kasetsart University, Thailand*
- PS-02-p-154 Anti-inflammatory and antioxidant properties of pulsed light irradiated *Lentinula edodes***  
Jeng-Leun Mau<sup>1,2</sup>, Rao-Chi Chien<sup>1,2</sup>, Shuo-Chieh Yang<sup>1</sup>, Lan-Min Lin<sup>1</sup>  
*<sup>1</sup>National Chung Hsing University (NCHU), Taiwan, <sup>2</sup>University of California at Davis, USA*

## Program

- PS-02-p-155 Effectiveness of snow utilization for storage of wheat and rice flours**  
Shin Kamiyama<sup>1</sup>, Shino Kushihara<sup>1</sup>, Mako Takiguchi<sup>1</sup>, Chihiro Homma<sup>1</sup>, Kazuya Kobayashi<sup>2</sup>, Satoshi Watanabe<sup>2</sup>, Hideyuki Sone<sup>1</sup>  
*<sup>1</sup>University of Niigata Prefecture, Japan, <sup>2</sup>Niigata Agricultural Research Institute, Japan*
- PS-02-p-156 Effect of snow room storage on changes in aromatic compounds of roasted coffee beans**  
Hideyuki Sone<sup>1</sup>, Marina Oshimi<sup>1</sup>, Misaki Ito<sup>1</sup>, Kazuya Kobayashi<sup>2</sup>, Satoshi Watanabe<sup>2</sup>, Shin Kamiyama<sup>1</sup>  
*<sup>1</sup>University of Niigata Prefecture, Japan, <sup>2</sup>Niigata Agricultural Research Institute Food Research Center, Japan*
- PS-02-p-157 Production of Beta Carotene Rich Cookies from Red Palm Oil**  
Saifuddin Sirajuddin, Ulfah Najamuddin, Burhanuddin Bahar  
*Hasanuddin University, Indonesia*
- PS-02-p-158 Characterization and optimization of extrusion processing for preparation of dietary fiber from orange pomace**  
Ya-Ling Huang  
*National Kaohsiung Marine University, Taiwan*
- PS-02-p-159 Effect of various salts on inhibition of inosinic acid-degrading enzyme in horse mackerel**  
Hiroko Seki, Naoko Hamada-Sato  
*Tokyo University of Marine Science and Technology, Japan*
- PS-02-p-160 Effects of vacuum skin packaging on the dark muscle quality of the yellowtail *Seriola quinqueradiata***  
Kazunari Kawashimo, Hiroko Seki, Kaori Nakazato, Naoko Hamada-Sato  
*Tokyo University of Marine Science and Technology, Japan*
- PS-02-p-161 Enhancement of Nutrition Value of Pre-germinated Brown Rice Using Plasma Technology**  
Phumon Sookwong, Sittidet Yodpitak, Jenjira Doungkaew, Jaruwat Jurithayo, Dheerawan Boonyawan, Sugunya Mahatheeranont  
*Chiang Mai University, Thailand*
- PS-02-p-162 Introduction of food aromas to water by using an ultrafine bubble generator**  
Mitsuru Saiki<sup>1,2</sup>, Hanae Yamazaki<sup>3</sup>, Masakazu Kashiwa<sup>4</sup>, Toshihiro Fujita<sup>4</sup>, Takahiko Amitsuka<sup>5</sup>, Tohru Fushiki<sup>1</sup>  
*<sup>1</sup>Kyoto University, Japan, <sup>2</sup>Kyoto cuisine Jikishinbo Saiki, Japan, <sup>3</sup>Ryukoku University, Japan, <sup>4</sup>Idec Corporation, Japan, <sup>5</sup>T.Hasegawa Co., Ltd. Japan*
- PS-02-p-163 Effect of preparation method, cooking method and storage condition on resistant starch content of Thai jasmine rice (*Oryza Sativa*)**  
Wararart Lasukhang  
*Mahidol University, Thailand*
- PS-02-p-165 Preparation and Antimicrobial Test of Gelatin-stabilized Silver Nanoparticles**  
Warangkana Warisnoicharoen, Kirti Sarangdhar, Natee Srisomthavil, Amornpun Sereemasapun, Varong Pavarajarn  
*Chulalongkorn University, Thailand*
- PS-02-p-166 Attractive extraction of antioxidant component apinenin and apiin from dried parsley by supercritical carbon dioxide and correlation with solubility parameter**  
Yoshiaki Saotome, Masanao Imai  
*Nihon University, Japan*
- PS-02-p-167 Comparative Analysis of Native and Nano Sorghum Starch**  
Poongodi Vijayakumar T. Poongodi, Deepa M. Deepa  
*Periyar University, India*
- PS-02-p-168 Effects of Green Grass Jelly Intervention on Lipid Profile of Adult Male Smokers**  
Maryam N. Rusdianto  
*Bogor Agricultural University, Indonesia*
- PS-02-p-169 Effect of boiling and grilling on palmyrah seed shoot flour**  
Karthika P Karthika, Premila S Premila, Poongodi Vijayakumar T Poongodi Vijayakumar  
*Periyar University, India*

## Program

- PS-02-p-170 Effect of domestic cooking on carotenoids content and proximate composition of some Cameroonian foods prepared with crude palm oil**  
 Fabrice Fabien Dongho Dongmo<sup>1</sup>, Annie Ngono Ngane<sup>1</sup>, Adelaide Demasse Mawamba<sup>1</sup>, Florian Schweigert<sup>2</sup>, Inocent Gouado<sup>1</sup>  
<sup>1</sup>University of Douala, Cameroon, <sup>2</sup>University of Potsdam, Germany
- PS-02-p-171 Bioavailable fraction of parboiled germinated brown rice exhibit higher antioxidant and anti-inflammatory activities than that of brown rice**  
 Siriporn Tuntipopipat, Kansuda Wunjuntuk, Kemika Praengam, Somsri Charoenkiatkul  
 Mahidol University, Thailand
- PS-02-p-172 Tofu Flour as Protein Sources**  
 Ice Yolanda Puri, Dicky Eka Putra, Nadia Chairunnissa, Lidia Paramita, Roza Hartati  
 Senior High School of PGRI 1 Padang, Indonesia

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- PS-02-p-173 Silver Nanoparticles from Annona Muricata Fruit Extracts and Its Anticancer Effect**  
 Karthikeyan K. Karthikeyan, Abitha S. Abitha  
 Periyar University, India
- PS-02-p-174 Advanced glycation endproducts induce prostate cancer cell proliferation**  
 Shih-Hong Khoo, Chen-Huan Yu, Ming-Ya Kong, Ssu-Yu Hsu, Chi-Hao Wu  
 Taipei Medical University, Taiwan
- PS-02-p-175 Endothelin-1 drives epithelial mesenchymal transition and metastatic progression through miR-300 in the human chondrosarcoma cells**  
 Pei Han Huang, Chih-Hsin Tang  
 China Medical University, Taiwan
- PS-02-p-176 Periostin promotes epithelial-mesenchymal transition of lung cancer**  
 Chun-Ming Chen, Chih-Hsin Tang  
 China Medical University, Taiwan
- PS-02-p-177 Effect of Elemental Diet and Dietary Restriction on QOL in Children with Crohn's Disease**  
 Rie Funayama<sup>1,2</sup>, Chisa Ogura<sup>2,3</sup>, Kaori Shimizu<sup>3</sup>, Reiko Kunisaki<sup>3</sup>, Mieko Takahashi<sup>2</sup>, Hiroataka Shimizu<sup>2</sup>, Arai Katsuhiko<sup>2</sup>  
<sup>1</sup>Tokyo Kasei University, Japan, <sup>2</sup>National Center for Child Health and Development, Japan, <sup>3</sup>Yokohama City University Medical Center, Japan
- PS-02-p-178 Adequacy of breast milk intake among exclusively breast-fed Sri Lankan infants**  
 Thushari Bandara<sup>1</sup>, Manjula Hettiarachchi<sup>1</sup>, Chandrani Liyanage<sup>1</sup>, Sujeewa Amarasena<sup>1</sup>, Wong William -Wai-Lun<sup>2</sup>  
<sup>1</sup>University of Ruhuna, Sri Lanka, <sup>2</sup>Baylor College of Medicine, USA
- PS-02-p-179 Carbohydrate restriction during pregnancy does not induce the exacerbation of metabolic syndrome in mice offspring**  
 Shizuka Hirai, Riko Tako, Yuya Shimizu, Yukie Koshino, Makoto Komori, Yukari Egashira  
 Chiba University, Japan
- PS-02-p-180 Influence of breastfeeding by allergic mother on food allergy of the infants**  
 Ayu Matsunaga<sup>1</sup>, Mao Arita<sup>1</sup>, Kumiko Kizu<sup>2</sup>, Junko Hirose<sup>3</sup>, Hiroshi Narita<sup>1</sup>  
<sup>1</sup>Kyoto Women's University, Japan, <sup>2</sup>Osaka Seikei College, Japan, <sup>3</sup>The University of Shiga Prefecture, Japan
- PS-02-p-181 The effect of high energy diet intake on the risk of obese in the grandchild generation**  
 Yu Hatakeyama, Tsuyoshi Tsuduki  
 Tohoku University, Japan
- PS-02-p-182 Household Characteristics Determinant Malnourished in Pregnancy Cause Low Energy and Protein Intake**  
 Djunaidi M Dachlan, Abdul Razak Thaha  
 Hasanuddin University, Indonesia
- PS-02-p-183 Developing Nutrition Program for Preterm Infants After Hospital Discharge: A Multi-disciplinary Approach**  
 Suchada Japakasetr, Chutima Sirikulchayanonta, Umaporn Suthutvoravut, Busba Chindavijak, Masaharu Kagawa, Somjai Nokdee  
 Mahidol University, Thailand

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- PS-02-p-184 Prebiotic effects of inulin in 3-5 months old formula fed infants in Indonesia**  
Hanifah Oswari<sup>1</sup>, Ariani Dewi Widodo<sup>1</sup>, Frieda Handayani<sup>1</sup>, M. Juffrie<sup>2</sup>, Tonny Sundjaya<sup>3</sup>, Jacques Bindels<sup>4</sup>, Badriul Hegar<sup>1</sup>  
*<sup>1</sup>Universitas Indonesia / Indonesian Pediatric Society (IDAI), Indonesia, <sup>2</sup>Universitas Gajah Mada / Indonesian Pediatric Society (IDAI), Indonesia, <sup>3</sup>Sarihusada Research and Development Nutrition Center, Indonesia, <sup>4</sup>Danone Nutricia Early Life Nutrition, Singapore*
- PS-02-p-185 Zinc status at late infancy predicted height at later childhood**  
Sueppong - Gowachirapant, Tippawan - Pongcharoen, Pattanee - Winichagoon  
*Mahidol University, Thailand*
- PS-02-p-186 Essential Fatty Acid Composition of Breast Milk at Different Region and Different Lactation Age in Indonesia**  
Ahmad Sulaeman, Ikeu Ekayanti, Hardinsyah Hasibuan  
*Bogor Agricultural University, Indonesia*
- PS-02-p-187 A Study on the Association of Lifestyle and Eating Habit with Overweight by Preschool Children in Provincial City, Vietnam**  
Yuko Yoshimoto<sup>1</sup>, Emako Miyoshi<sup>1</sup>, Yoshinori Sumimura<sup>1</sup>, Son Hong Trinh<sup>2</sup>  
*<sup>1</sup>Osaka University, Japan, <sup>2</sup>National Institute of Nutrition, Vietnam*
- PS-02-p-188 Prolonging Multi Micronutrients Supplementation during Preconception Period Significantly Improve Pregnancy Outcomes: A Randomized Double Blind Community-Based Trial**  
Sri Sumarmi, Bambang Wirjatmadi, Soenarnatalina Melaniani, Hamam Hadi, Wiryatun Lestariana  
*Airlangga University, Indonesia*
- PS-02-p-189 Evaluation of term effects after sprinkles powder intervention against Hemoglobin level of children under two years**  
Abdul Salam  
*Universitas Hasanuddin, Indonesia*
- PS-02-p-190 Serum Albumin is an Early Determinant for Successful Weaning from Mechanical Ventilation in the Respiratory Care Center Patients**  
Chu-Ya Yang<sup>1</sup>, Hsin-Yi Chen<sup>2</sup>, Shih-Chien Huang<sup>3</sup>  
*<sup>1</sup>Kainan University, Taiwan, <sup>2</sup>Dalin Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Taiwan, <sup>3</sup>Chung Shan Medical University, Taiwan*
- PS-02-p-191 Efficacy and Safety of Fish Oil in Treatment of Knee Osteoarthritis**  
Pornrawee Peanpadungrat  
*Thammasat University, Thailand*
- PS-02-p-192 Seal oil attenuates hepatic inflammation in NASH model mice**  
Takayo Kawakami<sup>1</sup>, Yasuko Murakami<sup>2</sup>, Mayumi Tabuchi<sup>1</sup>, Satoko Hiramatsu<sup>1</sup>, Miho Mihara<sup>1</sup>  
*<sup>1</sup>Okayama Prefectural University, Japan, <sup>2</sup>Fukuyama University, Japan*
- PS-02-p-193 Low carbohydrate diet effects on the metabolic regulation system in obese and non-obese mice**  
Shinya Kadowaki, Tomoko Kaburagi, Satoru Oshiro  
*Daito Bunka University, Japan*
- PS-02-p-194 Beneficial Effects of Fish Intake on Serum Lipids and Adipokines**  
Kumiko Kawakita, Shinichi Takenoyama, Tsuneo Ogawa  
*MINAMIKYUSHU University, Japan*
- PS-02-p-195 Pathological progress by L-DOPA in Parkinson's diseases model mouse was diminished by squalene administration**  
Hideaki Kabuto<sup>1</sup>, Tomoko T. Yamanushi<sup>1</sup>, Fusako Takayama<sup>2</sup>, Mitsumasa Mankura<sup>3</sup>  
*<sup>1</sup>Kagawa Prefectural University of Health Sciences, Japan, <sup>2</sup>Okayama University, Japan, <sup>3</sup>Kurashiki Sakuyou University, Japan*
- PS-02-p-196 Relationship of vitamin D deficiency and the markers of metabolic syndrome among overweight and obese adults**  
Fatemeh Kaseb<sup>1</sup>, Kimia Haghighifard<sup>1</sup>, Maryam Salami<sup>2</sup>, Akram Ghadiri<sup>2</sup>  
*<sup>1</sup>Shahid Sadoughi University of Medical Sciences, Iran, <sup>2</sup>Yazd Diabetes Research Center, Iran.*
- PS-02-p-197 The role of transcriptional factor FOXO1 in satellite cell action**  
Atsushi Yamashita<sup>1</sup>, Yukino Hatazawa<sup>1</sup>, Shinji Miura<sup>2</sup>, Yusuke Ono<sup>3</sup>, Yasutomi Kamei<sup>1</sup>  
*<sup>1</sup>Kyoto Prefectural University, Japan, <sup>2</sup>University of Shizuoka, Japan, <sup>3</sup>Nagasaki University, Japan*

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- PS-02-p-198 The effect of adding tea catechin to the cookings on reducing fecal odor of the diapered inpatients**  
 Kenji Toyama<sup>1</sup>, Kawano Rumiko<sup>2</sup>, Mayumi Ishida<sup>3</sup>, Nakazawa Mayumi<sup>3</sup>, Hiroyuki Tezuka<sup>3</sup>  
<sup>1</sup>Kanagawa University of Human Services, Japan, <sup>2</sup>Juntendo University, Japan, <sup>3</sup>Juntendo University Koshigaya Hospital, Japan
- PS-02-p-199 Low cardiorespiratory fitness may be related to a higher risk of metabolic syndrome in non-obese adult Japanese females**  
 Koji Okamura<sup>1</sup>, Junko Dojo<sup>2</sup>, Masayasu Nagano<sup>2</sup>, Takahide Matsumoto<sup>3</sup>, Yoshito Matsumoto<sup>4</sup>  
<sup>1</sup>Osaka University of Health and Sport Sciences, Japan, <sup>2</sup>Oita Adult Security Institutes, Japan, <sup>3</sup>National Institute of Fitness and Sports in Kanoya, Japan, <sup>4</sup>Health Fitness Forum
- PS-02-p-200 Intercountry Comparison of Clinical Dietitian's Job Stress Between America and Japan**  
 Kumiko Kato, Daiki Habu  
 Osaka City University, Japan
- PS-02-p-201 The effects of emulsion type of parenteral nutrition on inflammatory responses and blood glucose in critically ill patients**  
 Pei-Rong Li<sup>1</sup>, Yi-Chia Huang<sup>2</sup>  
<sup>1</sup>Tungs' Taichung MetroHarbor Hospital, Taiwan, <sup>2</sup>Chung Shan Medical University, Taiwan
- PS-02-p-202 Riceberry Bran Extract Protects Gentamicin-Induced Nephrotoxicity through Modulating Nrf-2 Pathway**  
 Phatchawan Arjinajarn, Anchalee Pongchaidecha, Phumon Sookwong, Orranuch Norkaew, Sugunya Wongponchai, Anusorn Lungkaphin  
 Chiang Mai University, Thailand
- PS-02-p-203 Difficulty in dairy cooking among patients with rheumatoid arthritis: a potential impact on diet intake and nutrition**  
 Yuki Mizukami<sup>1</sup>, Nozomi Okubo<sup>1</sup>, Mayu Okuhara<sup>1</sup>, Shigeto Tohma<sup>2</sup>, Toshihiro Matsui<sup>2</sup>, Kayo Masuko<sup>1</sup>  
<sup>1</sup>Sagami Women's University, Japan, <sup>2</sup>Sagamihara National Hospital, Japan
- PS-02-p-204 Effect of different sweetener beverages on postprandial antioxidant status in healthy men**  
 Charoonsri Chusak<sup>1</sup>, Chatrapa Hudthagosol<sup>5</sup>, Pachsiree Lhaothong<sup>2</sup>, Promluck Somboonpanyakul<sup>3</sup>, Sirichai Adisakwattana<sup>4</sup>  
 Mahidol University, Thailand
- PS-02-p-205 Future prospects from outcomes of the International Nutrition Survey2013 in our institute**  
 Kazuyuki Oka, Masakazu Yoneda, Makoto Kobayashi  
 Toyooka Public Hospital, Japan
- PS-02-p-206 Factors associated with bone quality in Thai school-aged children**  
 Kallaya Kijboonchoo<sup>1</sup>, Weerachat Srichan<sup>1</sup>, Uruwan Yamborisut<sup>1</sup>, Wanphen Wimonpeerapattana<sup>1</sup>, Nipa Rojroongwasinkul<sup>2</sup>, Paul Deurenberg<sup>3</sup>  
<sup>1</sup>Mahidol University, Thailand, <sup>2</sup>Paul Deurenberg Nutrition Consultant, Malaysia, <sup>3</sup>Marjolijn Bragt FrieslandCampina Development Centre AMEA, Singapore
- PS-02-p-207 Effect of new enteral nutrition formula "Hine E -Gel" on the rat diarrhea model**  
 Shinya Miki, Haruka Yamashita, Naoyuki Endo, Goro Ebisu, Hiroshi Iwakiri  
 Otsuka Pharmaceutical Factory, Inc., Japan
- PS-02-p-208 Effects of dietary intake of n-3 polyunsaturated fatty acids on serum TG and RLP-C levels in schizophrenic inpatients**  
 Miki Nakano<sup>1,2</sup>, Mio Takaku<sup>2</sup>, Midori Kawabe<sup>2</sup>, Minoru Ajihara<sup>2</sup>, Seiichi Nakayama<sup>2</sup>, Toru Katou<sup>2</sup>, Akira Tanaka<sup>3</sup>  
<sup>1</sup>National Center for Child Health and Development, Japan, <sup>2</sup>Tochigi Medical Center, Japan, <sup>3</sup>Kagawa Nutrition University, Japan
- PS-02-p-209 The characteristics of transgenic mice overexpressing GMF under oxidative stress**  
 Rika Imai<sup>1</sup>, Yoko Yasui<sup>1,2</sup>, Satoko Tamura<sup>1,3</sup>, Jun-ichi Hanai<sup>4</sup>, Masaru Takenaka<sup>1</sup>  
<sup>1</sup>Kobe Women's University Graduate School, Japan, <sup>2</sup>Osaka City University, Japan, <sup>3</sup>Ohno Memorial Hospital, Japan, <sup>4</sup>Beth Israel Deaconess Medical Center, Harvard Medical School
- PS-02-p-210 The effects of intake of the drinking water including citric acid on urinary electrolyte during basketball game in summer**  
 Yusuke Takagi<sup>1</sup>, Kazutoshi Seki<sup>2</sup>, Norihiro Yamada<sup>1</sup>, Ryoji Kasanami<sup>3</sup>  
<sup>1</sup>Tezukayama University, Japan, <sup>2</sup>University of Marketing and Distribution Sciences, Japan, <sup>3</sup>Nara university of Education, Japan



## Program

- PS-02-p-211 Anemia and associated factors among young children aged 0 to 24, months in Bangang rural community (Cameroon)**  
 Mananga Ms. Marlyne-Josephine<sup>1</sup>, Marie Modestine Dr. Kana Sop<sup>2</sup>, Nicolas Mr. Nolla<sup>2</sup>, Ekoe Prof. Tetanye<sup>1</sup>, Inocent Prof Gouado<sup>2</sup>  
<sup>1</sup>Yaounde I University, Cameroon, <sup>2</sup>Douala University, Cameroon
- PS-02-p-212 Implementation Kadarzi of Under-Five And Nutritional Status of Public Health Center Payolansek Distric West Payakumbuh, West Sumatera, Indonesia**  
 Sri Darmayanti Darmayanti<sup>1</sup>, Ice Yolanda Puri<sup>2</sup>  
<sup>1</sup>Public Health Center Payolansek, Indonesia, <sup>2</sup>Andalas University, Indonesia
- PS-02-p-213 Validation of simple nutrition screening tool as a screening tool for hospital malnutrition in Indonesia**  
 Susetyowati Susetyowati  
 Universitas Gadjah Mada, Indonesia

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- PS-02-p-214 Intake of vegetables by junior high school students in Tokushima Prefecture estimated using the BDHQ (15y)**  
 Naoko Ogawa, Tomoko Inubushi, Junko Matsushita, Seiichi Hashida  
 Tokushima Bunri University, Japan
- PS-02-p-215 Hypoalbuminemia predicts all-cause death and cause-specific death: 15-year follow-up study in a community-based cohort (Tanushimaru Study)**  
 Yoko Umeki<sup>1</sup>, Hisashi Adachi<sup>1</sup>, Mika Enomoto<sup>1</sup>, Ako Fukami<sup>1</sup>, Sachiko Nakamura<sup>1</sup>, Yume Nohara<sup>1</sup>, Erika Nakao<sup>1</sup>, Hitomi Hayabuchi<sup>2</sup>, Yoshihiro Fukumoto<sup>1</sup>  
<sup>1</sup>Kurume University School of Medicine, Japan, <sup>2</sup>Fukuoka Women's University, Japan
- PS-02-p-216 Association of living alone with nutrient intake in elderly Japanese women**  
 Yasumi Kimura<sup>1</sup>, Hiroko Kuwada<sup>1</sup>, Hinako Ito<sup>1</sup>, Satoko Hiramatsu<sup>2</sup>, Michiko Fuchigami<sup>1</sup>  
<sup>1</sup>Fukuyama University, Japan, <sup>2</sup>Okayama Prefectural University, Japan
- PS-02-p-217 Nutrition and Immunity Among Urban Elderly After Six Months of Daily Supplementation**  
 Rina Kurniasri Kusumaratna  
 Trisakti University, Indonesia
- PS-02-p-218 Factors modifying the risk for death and hospitalization among the Japanese elderly with protein-energy malnutrition living in long-term care facilities**  
 Kento Takada<sup>1</sup>, Asami Kijima<sup>1</sup>, Michiko Sugiyama<sup>1</sup>, Hiromi Enoki<sup>2</sup>, Kazuko Ishikawa-Takata<sup>3</sup>, Satoko Ohara<sup>4</sup>  
<sup>1</sup>Kanagawa University of Human Services, Japan, <sup>2</sup>Aichi Shukutoku University, Japan, <sup>3</sup>National Institute of Health and Nutrition, Japan, <sup>4</sup>Tokyo Medical and Dental University, Japan
- PS-02-p-219 Cross-sectional and Longitudinal Observation of Effects of Dietary Habits and Sports on Bone Density and Cardiovascular Index in Young Women**  
 Takako Hirota<sup>1</sup>, Aya Yokota<sup>1</sup>, Rie Takahara<sup>1</sup>, Minako Takagi<sup>1</sup>, Kenji Hirota<sup>2</sup>  
<sup>1</sup>Kyoto Koka Women's University, Japan, <sup>2</sup>Sumiyoshi General Hospital, Japan
- PS-02-p-220 Comparison of Body Mass Index and Physical Activity Level between Community Living and Pondok Institutions Elderly in Kelantan, Malaysia**  
 Siti Suhaili Ismail, Wan Manan Wan Muda, Hamid Jan Jan Mohamed  
 Universiti Sains Malaysia, Malaysia
- PS-02-p-221 Protein-energy malnutrition risk and associated factors among frail elderly people in a Japanese community: a cross-sectional study**  
 Kaori Nagase  
 Kanagawa University of Human Services, Japan
- PS-02-p-222 Association of dietary habits, anthropometric data and sarcopenia among the healthy community-dwelling elderly**  
 Sonoko Umetsu, Ikuko Gomi, Hideki Taniguchi  
 Kanagawa University of Human Services, Japan

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- PS-02-p-223 Undernutrition risk assessment tool for institutionalised elderly in Sri Lanka: Elderly Undernutrition Screening Tool (EUST)**  
Rathnayake M. Kumari<sup>1,2</sup>, S. Rahanan<sup>1</sup>, Michelle Weech<sup>2</sup>, Kim G. Jackson<sup>2</sup>, Julie A. Lovegrove<sup>2</sup>  
<sup>1</sup>Wayamba University of Sri Lanka, Sri Lanka, <sup>2</sup>University of Reading, UK
- PS-02-p-224 Places for Physical Activity and Obesity among Brazilian Adults: A Multilevel Analysis**  
Gustavo Velasquez Melendez<sup>1</sup>, Fernanda P. Matozinhos<sup>1</sup>, Crizian S. Gomes<sup>1</sup>, Larissa L. Mendes<sup>2</sup>, Milene C. Pessoa<sup>3</sup>  
<sup>1</sup>Universidade Federal de Minas Gerais, Brazil, <sup>2</sup>Universidade Federal de Juiz de Fora, Brazil, <sup>3</sup>Universidade Federal de Viçosa, Brazil
- PS-02-p-225 Obesogenic Environments: Exploring the Food Environments in an Urban Population of Brazil**  
Gustavo V. Melendez<sup>1</sup>, Fernanda P. Matozinhos<sup>1</sup>, Crizian S. Gomes<sup>1</sup>, Larissa L. Mendes<sup>2</sup>, Milene C. Pessoa<sup>3</sup>  
<sup>1</sup>Universidade Federal de Minas Gerais, Brazil, <sup>2</sup>Universidade Federal de Juiz de Fora, Brazil, <sup>3</sup>Universidade Federal de Viçosa, Brazil
- PS-02-p-226 Prevalence of anorexia nervosa in adolescents in Japan**  
Eiko Sugiyama<sup>1</sup>, Shin Yokoyama<sup>2</sup>, Mari Hotta<sup>3,4</sup>, Reiko Horikawa<sup>5</sup>, Hiroyo Mabe<sup>6</sup>, Tadato Yonekawa<sup>7</sup>, Masamitsu Nakazato<sup>7</sup>, Yuri Okamoto<sup>8</sup>, Chisato Ohara<sup>4</sup>, Yoshihiro Ogawa<sup>9</sup>  
<sup>1</sup>Nagano Prefectural College, Japan, <sup>2</sup>Nagano Red Cross Hospital, Japan, <sup>3</sup>National Graduate Institute for Policy Studies, Japan, <sup>4</sup>Tokyo Women's Medical University, Japan, <sup>5</sup>National Center for Child Health and Development, Japan, <sup>6</sup>Kumamoto University Hospital, Japan, <sup>7</sup>University of Miyazaki, Japan, <sup>8</sup>Hiroshima University, Japan, <sup>9</sup>Tokyo Medical and Dental University, Japan
- PS-02-p-227 Eating habits and work-family conflict**  
Mamiko Kurotani  
Aichi Gakusen University, Japan
- PS-02-p-228 Milk fortified with vitamin D could reduce the prevalence of vitamin D deficiency among Japanese female college students**  
Yoshio Suzuki, Asako Maruyama-Nagao, Keishoku Sakuraba, Sachio Kawai  
Juntendo University, Japan
- PS-02-p-229 Macronutrient intake and sleep: cross-sectional associations in a cohort of community dwelling men**  
Yingting Cao, Anne Taylor, Gary Wittert, Zumin Shi  
University of Adelaide, Australia
- PS-02-p-230 Associations between dietary behaviors and rotating shift work among Japanese nursing staff**  
Yoshizaki Takahiro<sup>1</sup>, Kawano Yukari<sup>2</sup>, Noguchi Osamu<sup>3</sup>, Onishi Junko<sup>3</sup>, Teramoto Reiko<sup>3</sup>, Sunami Ayaka<sup>2</sup>, Yokoyama Yuri<sup>2</sup>, Tada Yuki<sup>2</sup>, Hida Azumi<sup>2</sup>, Togo Fumiharuru<sup>4</sup>  
<sup>1</sup>Toyo University, Japan, <sup>2</sup>Tokyo University of Agriculture, Japan, <sup>3</sup>Ome City General Hospital, Japan, <sup>4</sup>The University of Tokyo, Japan
- PS-02-p-231 Diet during active phase impairs reproductive function in post-adolescent female rats**  
Tomoko Fujiwara<sup>1</sup>, Fumino Yamagishi<sup>2</sup>, Akane Matsumoto<sup>2</sup>, Rieko Nakata<sup>2</sup>  
<sup>1</sup>Ashiya College, Japan, <sup>2</sup>Nara Women's University, Japan
- PS-02-p-232 Research on Bone Mineral Density of Female High School Long-Distance Track and Field Athletes**  
Kimiko Miyahara<sup>1</sup>, Ikue Soga<sup>2</sup>, Kyoko Morimoto<sup>2</sup>, Reiko Yanai<sup>3</sup>, Keiki Ogino<sup>4</sup>  
<sup>1</sup>Shukutoku University, Japan, <sup>2</sup>Mimasaka University, Japan, <sup>3</sup>Kurashiki Sakuyo University, Japan, <sup>4</sup>Okayama University, Japan
- PS-02-p-233 Psychological predictors of weight loss in Chinese overweight and obese adult participants of a lifestyle modification program**  
Alice W.Y. Leung, Ruth S.M. Chan, Mandy M.M. Sea, Jean Woo  
The Chinese University of Hong Kong, Hong Kong
- PS-02-p-234 Cross-sectional study on the relationship between probiotic milk consumption and health status in older Japanese: body weight and morbidity**  
Sanae Saitoh<sup>1</sup>, Jun-ichi Minami<sup>2</sup>, Naotake Yanagisawa<sup>2</sup>, Toshitaka Odamaki<sup>2</sup>, Jinzhong Xiao<sup>2</sup>, Fumiaki Abe<sup>2</sup>, Taeko Shimoda<sup>1,3</sup>  
<sup>1</sup>Tokyo Healthcare University, Japan, <sup>2</sup>Morinaga Milk Industry Co., Ltd., Japan, <sup>3</sup>Tenshi College, Japan

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- PS-02-p-235 Cross-sectional study on the relationship between probiotic milk consumption and health status in older Japanese: lifestyle and lifestyle-related disease**  
 Taeko Shimoda<sup>1,2</sup>, Sanae Saitoh<sup>2</sup>, Jun-ichi Minami<sup>3</sup>, Naotake Yanagisawa<sup>3</sup>, Toshitaka Odamaki<sup>3</sup>, Jinzhong Xiao<sup>3</sup>, Fumiaki Abe<sup>3</sup>  
<sup>1</sup>Tenshi College, Japan, <sup>2</sup>Tokyo Healthcare University, Japan, <sup>3</sup>Morinaga Milk Industry Co., Ltd., Japan
- PS-02-p-236 Cross-sectional study on the relationship between probiotic milk consumption and health status in older Japanese: relationship with sleeping status**  
 Naotake Yanagisawa<sup>1</sup>, Jun-ichi Minami<sup>1</sup>, Sanae Saitoh<sup>2</sup>, Toshitaka Odamaki<sup>1</sup>, Jinzhong Xiao<sup>1</sup>, Fumiaki Abe<sup>1</sup>, Taeko Shimoda<sup>2,3</sup>  
<sup>1</sup>Morinagamilk Industry Co., Ltd., Japan, <sup>2</sup>Tokyo Healthcare University, Japan, <sup>3</sup>Tenshi College, Japan
- PS-02-p-237 Diet and lifestyle features of groups of Japanese individuals classified according to metabolic syndrome criteria**  
 Katsushi Yoshita<sup>1</sup>, Keiko Ochiai<sup>2</sup>, Nahoko Baba<sup>2</sup>, Michiko Morikawa<sup>2</sup>, Chiaki Yamazaki<sup>2</sup>, Akemi Misawa<sup>1</sup>, Yoko Tsujimoto<sup>1</sup>, Yasuko Sakaida<sup>1</sup>, Osamu Kushida<sup>1</sup>, Tatsuya Koyama<sup>1</sup>, Akiko Iwahashi<sup>1</sup>, Tomoe Fukumura<sup>1</sup>, Masaji Tabata<sup>2</sup>  
<sup>1</sup>Osaka City University Graduate School of Human Life Science, Japan, <sup>2</sup>Ishikawa Health Service Association, Japan
- PS-02-p-238 The relationships between obesity-related genetic variation and lifestyle in normal Japanese subjects**  
 Ohara Eiji<sup>1</sup>, Hisaki Kumiko<sup>2</sup>, Sakai Takashi<sup>2</sup>  
<sup>1</sup>Osaka Yuhigaoka-gakuen Junior College, Japan, <sup>2</sup>Osaka International College, Japan
- PS-02-p-239 Relationship between Personal Factors, Physical Environment Factors and Body Weight with Physical Activity Level among Adolescents**  
 Hazizi A. Saad, Jia Yan Fam  
 Universiti Putra Malaysia, Malaysia
- PS-02-p-240 What did she ask? Women's expressions of concern through social media about nutrition and weight management**  
 Thanit Vinitchagoon, Buppha Saisin, Manussanun Pitisrisith, Araya Sangtien, Kanokphat Anantsupasak  
 Dietitians4Change Network, Thailand
- PS-02-p-241 The impact of menstrual cycle phase on the cardiac autonomic nervous system through changes in diet, physical activity and sleep**  
 Yuki Tada<sup>1</sup>, Takahiro Yoshizaki<sup>2</sup>, Ayaka Sunami<sup>3</sup>, Yuri Yokoyama<sup>3</sup>, Jun Yasuda<sup>3</sup>, Ayumi Nakai<sup>3</sup>, Kazuto Sasaki<sup>3</sup>, Azumi Hida<sup>1</sup>, Yukari Kawano<sup>1</sup>  
<sup>1</sup>Tokyo University of Agriculture, Japan, <sup>2</sup>Toyo University, Japan, <sup>3</sup>Tokyo University of Agriculture, Japan
- PS-02-p-242 Factors influencing the body image of Japanese college students**  
 Tomoko Imai<sup>1</sup>, Masaharu Kagawa<sup>2</sup>, Satomi Maruyama<sup>3</sup>, Toru Takahashi<sup>4</sup>, Hatsuko Yamamoto<sup>5</sup>, Hayato Uchida<sup>6</sup>, Michiko Koda<sup>7</sup>, Hiromi Hirata<sup>2</sup>  
<sup>1</sup>Doshisha Womens College of Liberal Arts, Japan, <sup>2</sup>Kagawa Nutrition University, Japan, <sup>3</sup>Kinjo Gakuin University, Japan, <sup>4</sup>Fukuoka Womens University, Japan, <sup>5</sup>Kiryu University, Japan, <sup>6</sup>University of Hyogo, Japan, <sup>7</sup>Chubu University, Japan
- PS-02-p-243 Major dish groups contributing to sodium intake in Korean adults : Based on the KNHANES 2010-2012**  
 YangHee Park, Sang-Jin Chung, Mi-Hyeon Park  
 Kookmin University, Korea
- PS-02-p-244 The situation of the young female rhythmic gymnasts**  
 Mizuho Ban<sup>1</sup>, Ayumi Kunimoto<sup>3</sup>, Shigeshi Kikunaga<sup>2</sup>  
<sup>1</sup>Osaka Seikei University, Japan, <sup>2</sup>Notre dame Seishin University, Japan, <sup>3</sup>Kurashiki Sakuyo University, Japan
- PS-02-p-245 Cardiovascular health factors evaluation in the Brazilian urban population**  
 Fernanda P Matozinhos, Mariana S Felisbino Mendes, Crizian S Gomes, Ann K Jansen, Isis E Machado, Gustavo Velasquez Melendez  
 Universidade Federal de Minas Gerais (UFMG)., Brazil
- PS-02-p-246 Lifestyle and body weight changes over two years in female nursing students**  
 Ryodai Yamamura, Akane Kato, Natsumi Hirai, Saki Maeda, Taro Yamauchi  
 Hokkaido University, Japan

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- PS-02-p-247 Randomized controlled trial aiming at increase of vegetables intake in Japanese university students**  
 Makoto Ohtsuki<sup>1</sup>, Ryo Tanaka<sup>1</sup>, Chihiro Hasegawa<sup>1</sup>, Katsumi Shibata<sup>2</sup>, Tutomu Fukuwatari<sup>2</sup>, Yuko Asai<sup>3</sup>, Yuko Sasaki<sup>4</sup>, Kunihiko Nakai<sup>5</sup>  
<sup>1</sup>Suzuka University of Medical Science, Japan, <sup>2</sup>The University of Shiga Prefecture, Japan, <sup>3</sup>Matsusaka Public Health Center, Japan, <sup>4</sup>Sendai Shirayuri Women's College, Japan, <sup>5</sup>Tohoku University, Japan
- PS-02-p-248 Lifestyle habits of Japanese electric company workers**  
 Fumi Hirayama, Keiji Yasukawa, Yukio Ishihara  
 Kyushu University, Japan
- PS-02-p-249 Association between the midpoint of sleep, and dietary intake and mental health-related quality of life in elderly Japanese women**  
 Natsuko Sato-Mito<sup>1</sup>, Eka Fujimoto<sup>2</sup>  
<sup>1</sup>Azabu University, Japan, <sup>2</sup>Japan Women's University, Japan
- PS-02-p-250 Serum 25-hydroxyvitamin D levels are not associated with the reduction of a calcaneus quantitative ultrasound parameter in young adult females**  
 Eri Nakazono<sup>1,2</sup>, Hitomi Miyazaki<sup>1,2</sup>, Shimako Abe<sup>2</sup>, Katsumi Imai<sup>1,2</sup>, Takashi Masuda<sup>2</sup>, Masako Iwamoto<sup>1,2</sup>, Ririko Moriguchi<sup>1,2</sup>, Hiromi Ueno<sup>2</sup>, Misaki Ono<sup>1,2</sup>, Shuji Nakano<sup>1,2</sup>, Hiroko Tsuda<sup>1,2</sup>  
<sup>1</sup>Nakamura Gakuen University, Japan, <sup>2</sup>Health Promotion Center, Japan
- PS-02-p-251 Associations of Body Weight Status, Dietary Intake and Sedentary Behavior with Physical Activity Level among University Students**  
 Zuriati Ibrahim, Nursha'adah Taib  
 Universiti Putra Malaysia, Malaysia
- PS-02-p-252 A Survey of the Development of a Dietary Education Program for Young Women: Association Between BMI and Energy Intake**  
 Masako Yokotsuka<sup>1</sup>, Masako Arashi<sup>2</sup>, Satoru Iwai<sup>3</sup>, Mariko Watanabe<sup>4</sup>, Kazue Yamaoka<sup>5</sup>, Toshiro Tango<sup>5</sup>  
<sup>1</sup>Showa Women's University, Japan, <sup>2</sup>Sagami Women's University, Japan, <sup>3</sup>Bunkyo University, Japan, <sup>4</sup>Showa Women's University, Japan, <sup>5</sup>Teikyo University, Japan
- PS-02-p-253 Association between smoking status and plant based food consumptions in Japanese: a large-scale cross-sectional study**  
 Kaori Endoh<sup>1</sup>, Kiyonori Kuriki<sup>1</sup>, Toshinao Goda<sup>1</sup>  
 University of Shizuoka, Japan
- PM Nutrition Education/Community Nutrition 4**
- PS-02-p-254 Case incidents involving registered dietitians at medical institutions : Analysis by KJ method**  
 Yoko Hosoyamada  
 Shukutoku University, Japan
- PS-02-p-255 Analyses of incident contents of institutional food service in the kitchen of a general hospital, Chubu Region, Japan**  
 Satomi Maruyama<sup>1</sup>, Mitsuaki Ichie<sup>2</sup>, Tadahisa Tsuruta<sup>2</sup>  
<sup>1</sup>Kinjo Gakuin University, Japan, <sup>2</sup>Nagoya Ekisaikai Hospital, Japan
- PS-02-p-256 Electronic Meal Ordering System <(eMOS)> <->a Tripartite of Inpatient Mealservice**  
 Gladys HC Wong, Wong HL Pamela  
 Khoo Teck Puat Hospital, Singapore
- PS-02-p-257 A buffet lunch that considered texture improved food intake and satisfaction with diet in hospitalized cancer patients**  
 Hirofumi Takahashi<sup>1</sup>, Kumiko Totsuka<sup>1</sup>, Tomomi Kosugi<sup>1</sup>, Katsumi Arai<sup>1</sup>, Hiroko Iwabe<sup>1</sup>, Masae Ikeda<sup>1</sup>, Hitomi Hirose<sup>1</sup>, Hiroaki Suzuki<sup>2</sup>  
<sup>1</sup>University of Tsukuba Hospital, Japan, <sup>2</sup>University of Tsukuba, Japan
- PS-02-p-258 The Effects of Room Service to Improve Patients' Food Satisfaction and Food Acceptance**  
 Muhammad Iqbal<sup>1</sup>, Susetyowati Susetyowati<sup>2</sup>, Martalena Br. Purba<sup>3</sup>  
<sup>1</sup>University of Darussalam Gontor, Indonesia, <sup>2</sup>Universitas Gadjah Mada, Indonesia, <sup>3</sup>DR. Sardjito Hospital, Indonesia

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- PS-02-p-259 Problems and considerations associated with the introduction of a soft food in nursing homes**  
 Atsue Inaba<sup>1</sup>, Maya Uenobe<sup>1</sup>, Mariko Hayakawa<sup>1</sup>, Kazuo Wakabayashi<sup>1,2</sup>, Ayana Kosaki<sup>1,2</sup>, Natsumi Waku<sup>1</sup>, Yukiho Sato<sup>1</sup>, Shoko Ando<sup>3</sup>, Rie Kato<sup>3</sup>  
<sup>1</sup>Nagoya Keizai University, Japan, <sup>2</sup>Nagoya Keizai University Clinical Nutrition Center, Japan, <sup>3</sup>Special nursing home Tanpopo Nene no Sato, Japan
- PS-02-p-261 Glucose-fructose syrup in Polish selected food products**  
 Malgorzata Schlegel-Zawadzka  
<sup>1</sup>Jagiellonian University Medical College, Poland, <sup>2</sup>Military Institute of Hygiene and Epidemiology, Poland
- PS-02-p-262 The associations of vegetable intake with frequency of eating vegetables grown in different areas in rural Japan**  
 Osamu Kushida<sup>1</sup>, Ryoji Ito<sup>2</sup>, Seiki Kiyono<sup>2</sup>, Nobuko Murayama<sup>3</sup>  
<sup>1</sup>Niigata University of Health and Welfare, Japan, <sup>2</sup>Niigata University, Japan, <sup>3</sup>University of Niigata Prefecture, Japan
- PS-02-p-263 Financial incentive policies at workplace cafeterias for preventing obesity:a systematic review and meta-analysis(Protocol)**  
 Kimi Sawada<sup>1,2</sup>, Erika Ota<sup>2</sup>, Sadequa Shahrook<sup>2</sup>, Rintaro Mori<sup>2</sup>  
<sup>1</sup>Kiryu University, Japan, <sup>2</sup>National Center for Child Health and Development, Japan
- PS-02-p-264 Methods of evaluating school lunch-based shokuiku initiatives utilizing the local produce**  
 Chie Tokuhiro<sup>1</sup>, Ikuko Shimada<sup>2</sup>  
<sup>1</sup>Kochi Prefecture Aki Health and Welfare Center, Japan, <sup>2</sup>University of Kochi, Japan
- PS-02-p-265 Fact-finding survey on the intake of health food and awareness**  
 Yasuko Sannomaru, Takashi Akiyama, Mutsumi Fukaya, Sachihiko Numajiri, Masahiro Wada, Akira Terao  
 Josai University, Japan
- PS-02-p-266 Relationship between vegetable consumption and vegetable growing among residents in Gunma, Japan**  
 Daisuke Machida<sup>1,2</sup>, Haruko Onoe<sup>1</sup>, Tohru Yoshida<sup>2</sup>  
<sup>1</sup>Meiwa Gakuen Junior College, Japan, <sup>2</sup>Gunma University, Japan
- PS-02-p-267 Improving the food environment through reformulation: A comparison of two nutrient profiling models**  
 Gabriel Masset, Antonis Vlassopoulos, Monika Potter, Fabienne Leroy, Bianca Maria Vecchio, Veronique Rheiner Charles  
 Nestec SA, Nestle Research Center, Switzerland
- PS-02-p-268 A novel nutrient profiling score to drive food reformulation**  
 Fabienne Leroy, Monika Potter, Nicolas Pineau, Antonis Vlassopoulos, Gabriel Masset, Veronique Rheiner Charles  
 Nestec SA, Nestle Research Center, Switzerland
- PS-02-p-269 Food Taboo Practices among Javanese Ethnicity in Indonesia**  
 Rimbawan Rimbawan, Megawati Simanjuntak, Anna V.R. Mauludyani, Hana F. Navratilova, Nur Azizah  
 Bogor Agricultural University, Indonesia
- PS-02-p-270 Food Taboo among Minangkabau Community in Indonesia**  
 Anna Vipta Resti Mauludyani, Rimbawan Sukandar Martopuro, Katrin Roosita, Megawati Simanjuntak  
 Bogor Agricultural University, Indonesia
- PS-02-p-271 Impact of Junk-Food on Nutritional Status of School Going Children of Durg City**  
 Abhaya Ramdas Joglekar, Sandhya Anoop Verma, Rashmi Kashyap  
 Govt.D.B.P.G.College, India
- PS-02-p-272 A novel strategy of a healthy diet recommendation system for personalized nutrition**  
 Tomoko Banno<sup>1</sup>, Tomono Uchida<sup>2</sup>, Saiko Ikeda<sup>3</sup>, Hiroaki Oda<sup>4</sup>  
<sup>1</sup>College of Nagoya Women's University, Japan, <sup>2</sup>Aichi Gakusen University, Japan, <sup>3</sup>Nagoya University of Arts and Sciences, Japan, <sup>4</sup>Nagoya University, Japan
- PS-02-p-273 Correlation between frequency of exercise and the amount of food intake for middle school students**  
 Madoka Hirashima, Yuka Isobe, Kenji Togashi  
 Mie University, Japan

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- PS-02-p-274 Effect of a Weekly 35-Min 4.4 METs Exercise (Choi-tore) on Body Composition and Bone Mineral Density of Assembly Line Women**  
Miyako Mochizuki<sup>1</sup>, Noboru Hasegawa<sup>2</sup>  
*<sup>1</sup>Kyoto Bunkyo Junior College, Japan, <sup>2</sup>Ishikawa Prefectural Nursing University, Japan*
- PS-02-p-275 Change in resting energy expenditure in collegiate female rhythmic gymnasts during competition season**  
Ayumi Nakai<sup>1</sup>, Kayo Koizumi<sup>2</sup>, Kumiko Kisara<sup>2</sup>, Yayoi Takahashi<sup>2</sup>, Shigeho Tanaka<sup>3</sup>, Azumi Hida<sup>1</sup>, Yuki Tada<sup>1</sup>, Ayaka Sunami<sup>1</sup>, Yuri Yokoyama<sup>1</sup>, Hiroaki Natsui<sup>2</sup>, Sakuko Ishizaki<sup>2</sup>, Yukari Kawano<sup>1</sup>, Sakuko Ishizaki<sup>2</sup>, Yukari Kawano<sup>1</sup>  
*<sup>1</sup>Tokyo University of Agriculture, Japan, <sup>2</sup>Japan Women's College Of Physical Education, Japan, <sup>3</sup>National Institute of Health and Nutrition, Japan*
- PS-02-p-276 Determinants of Energy Expenditure (Physical Activity) in Indonesian Adolescents**  
Cyndy Au<sup>1</sup>, May O Lwin<sup>1</sup>, Hardinsyah Hardinsyah<sup>2</sup>  
*<sup>1</sup>Nanyang Technological University, Singapore, <sup>2</sup>Bogor Agricultural University, Indonesia*
- PS-02-p-277 Effects of skipping breakfast on muscle degradation, soreness, and performance**  
Jun Yasuda<sup>1</sup>, Tatsunosuke Gomi<sup>1</sup>, Ayaka Sunami<sup>1,2</sup>, Yuri Yokoyama<sup>1,2</sup>, Ayumi Nakai<sup>1</sup>, Kazuto Sasaki<sup>1</sup>, Yuki Tada<sup>1</sup>, Azumi Hida<sup>1</sup>, Hiroharu Kamioka<sup>1</sup>, Yukari Kawano<sup>1</sup>  
*<sup>1</sup>Tokyo University of Agriculture, Japan, <sup>2</sup>Research Fellow of the Japan Society for the Promotion of Science, Japan*
- PS-02-p-278 Education and Public Information on Climate Change Adaptation of Food Safety**  
Gun-Hee Kim<sup>1</sup>, Sun-Duk Cho<sup>1</sup>, Ki-Hwan Park<sup>2</sup>  
*<sup>1</sup>Duksung Women's University, Korea, <sup>2</sup>Chung-Ang University, Korea*
- PS-02-p-279 The Combined Study on Nutritional Intake and Food Requirement to Live Healthy Life**  
Okajima Toshiya  
*Saga University, Japan*

## PM Public Health Nutrition 4

- PS-02-p-280 Survey research for food environment and health condition of temporary housing elderly residents in stricken area, Tohoku**  
Ryoko Wada, Chisa Ikeda, Kazuko Kato  
*Tokyo Kasei University, Japan*
- PS-02-p-281 Stockpile situation of emergency food at home in Japan - Comparison between actual and self-reported stockpiles -**  
Keiko Mori  
*Aichi Gakuin University, Japan*
- PS-02-p-282 Are Rice Plants Growing in the Paddy Field Screwed with Seawater?**  
Mieko Kimura<sup>1,2</sup>, Shintaro Saomoto<sup>1</sup>, Takahisa Takeda<sup>1</sup>, Toshikazu Yoshikawa<sup>2</sup>  
*<sup>1</sup>Takeda Research Institute of Life Science, Japan, <sup>2</sup>Kyoto Prefectural University of Medicine, Japan*
- PS-02-p-283 Utilization of the disaster food - The results of sensuality examination of the commercial disaster food -**  
Shoko Koudou, Naomi Katayama, Mizuki Ito, Yasuyo Nakagawa, Hagie Nakamura, Ryouko Takekawa  
*Nagoya Women's University, Japan*
- PS-02-p-284 Taste Examination of Commercially Available Disaster Food - By Using Taste Analyzer-**  
Yasuyo Matsufuji<sup>1</sup>, Naomi Katayama<sup>2</sup>, Satoshi Kumagai<sup>3</sup>  
*<sup>1</sup>Junshin Junior College, Japan, <sup>2</sup>Nagoya Women's University, Japan, <sup>3</sup>Saga University, Japan*
- PS-02-p-285 Proposal of " Diet Triage Card" to be Adopted by the Household: Research Based Upon the Questionnaire**  
Megumi Hasegawa<sup>1</sup>, Wakako Tsuda<sup>2</sup>  
*<sup>1</sup>Jissen Women's University, Japan, <sup>2</sup>Sakura no Seibo Junior College, Japan*

## Program

- PS-02-p-286 Effects of a Long-Term Intervention in a Work Cafeteria on Employee Vegetable Intake**  
Akemi Misawa<sup>1</sup>, Katsushi Yoshita<sup>1</sup>, Tomoe Fukumura<sup>1</sup>, Taichiro Tanaka<sup>2</sup>, Junko Tamaki<sup>3</sup>, Toru Takebayashi<sup>4</sup>, Yukinori Kusaka<sup>5</sup>, Hideaki Nakagawa<sup>6</sup>, Hiroshi Yamato<sup>7</sup>, Akira Okayama<sup>8</sup>, Katsuyuki Miura<sup>9,10</sup>, Tomonori Okamura<sup>4</sup>, Hirotsugu Ueshima<sup>9,10</sup>  
*<sup>1</sup>Osaka City University, Japan, <sup>2</sup>Toho University, Japan, <sup>3</sup>Osaka Medical College Department of Hygiene & Public Health, Japan, <sup>4</sup>Keio University, Japan, <sup>5</sup>University of Fukui, Japan, <sup>6</sup>Kanazawa Medical University, Japan, <sup>7</sup>University of Occupational and Environmental Health, Japan, <sup>8</sup>First Institute for Health Promotion and Health Care, Japan, <sup>9</sup>Shiga University of Medical Science, Japan, <sup>10</sup>HIPOP-OHP Research Group.*
- PS-02-p-287 Nutritional And Lifestyle Risk Behaviors And Their Association With Mental Health And Violence Among Pakistani Adolescents**  
Nida Jawed<sup>1</sup>, Saadiyah Rao<sup>1</sup>, Nadia Shah<sup>1</sup>, Sumera Inam<sup>1</sup>, Kashif Shafique<sup>1,2</sup>  
*<sup>1</sup>Dow University of Health Sciences, Pakistan, <sup>2</sup>University of Glasgow, UK*
- PS-02-p-288 Dietary Intake Food Sources of Vitamin D and Its Deficiency in Women Workers in Indonesia**  
Betty Yosephin Simanjuntak<sup>1</sup>, Ali None Khomsan<sup>2</sup>, Dodik None Briawan<sup>2</sup>, Rimbawan None Rimbawan<sup>2</sup>  
*<sup>1</sup>Health Polytechnic Bengkulu, Indonesia, <sup>2</sup>Bogor Agricultural University, Indonesia*
- PS-02-p-289 Evaluation of the effects of body fat and leptin on changes in the bone density of Japanese woman**  
Megumi Kubota, Rikako Inoue  
*Okayama Prefectural University, Japan*
- PS-02-p-290 Develop Recipes from Gac Fruit , Fruit from Heaven**  
Chimrueng Kanjana, BenyaPanya Pakjira, Raungkhaon Ponpis  
*Prince of Songklanagarin Hospital, Thailand*
- PS-02-p-291 Effect of Fermented Vegetable Food "OM-X" on Defecation Among Constipated Female College Students**  
Rikako Inoue<sup>1,2</sup>, Megumi Kubota<sup>1</sup>, Muneaki Takahata<sup>3</sup>  
*<sup>1</sup>Okayama Prefectural University, Japan, <sup>2</sup>Notre Dame Seishin University, Japan, <sup>3</sup>BIOBANK Co., Japan*
- PS-02-p-292 The effect of fermented milk on defecation and skin condition in healthy young female students**  
Naoko Mori<sup>2</sup>, Kano Mitsuaki<sup>1</sup>, Masuoka Norie<sup>1</sup>, Miyazaki Kouji<sup>1</sup>, Ueki Yukihide<sup>2</sup>  
*<sup>1</sup>Yakult Central Institute for Microbiological Research, Japan, <sup>2</sup>Seitoku University, Japan*
- PS-02-p-293 Association between perceived health status and subjective socioeconomic status among the Japanese older adults living alone**  
Naoto Otaki, Hidekazu Tanino, Saeko Yokomizo, Miyako Maeda, Keisuke Fukuo  
*Mukogawa Women's University, Japan*
- PS-02-p-294 How is happiness decided?**  
Ikuko Shimada<sup>1</sup>, Asami Okabe<sup>2</sup>, Ayuka Tagashira<sup>2</sup>, Ichisaku Shinohara<sup>3</sup>, Mamoru Tanaka<sup>1</sup>, Satoshi Numata<sup>1</sup>, Takeaki Okamoto<sup>2</sup>  
*<sup>1</sup>University of Kochi, Japan, <sup>2</sup>Ehime University, Japan, <sup>3</sup>Happy Map Project, Japan*
- PS-02-p-295 Breastfeeding Peer Counselling: The NCP Experience**  
Emaluz Z. Parian<sup>1</sup>, Juan Antonio A. Solon<sup>1</sup>, Mary Christine R. Castro<sup>1</sup>, Ivanhoe C. Escartin<sup>2</sup>  
*<sup>1</sup>Nutrition Center of the Philippines, Philippines, <sup>2</sup>National Center for Health Promotion, Philippines*
- PS-02-p-296 Factors affecting green tea brand loyalty in young adult consumers**  
Rossarin Tansawat, Linna Tongyonk, Lawanworn Broese Van Groenou, Passakorn Pinyowattayakorn, Sirinthra Yostumrong, Titinun Auamnoy  
*Chulalongkorn University, Thailand*
- PS-02-p-297 The relationship between smoking mothers and their children's lifestyle**  
Takako Kumagai<sup>1</sup>, Haruyuki Ito<sup>1</sup>, Sangun Lee<sup>1</sup>, Kavanagh Barry<sup>1</sup>, Yukiko Mano<sup>2</sup>  
*<sup>1</sup>Aomori University of Health and Welfare, Japan, <sup>2</sup>Tohoku Women's Junior College, Japan*
- PS-02-p-298 Pinggang Pinoy: A healthy food plate for Filipinos**  
Carl Vincent D Cabanilla, Ma. Jovina A Sandoval, Robby Carlo A Tan, Mario V Capanzana  
*Food and Nutrition Research Institute, Philippines*
- PS-02-p-299 Thailand's food retail transformation: a mixed method study of diet quality and nutrition impacts**  
Matthew Kelly<sup>1</sup>, Sam-ang Seubsman<sup>1,2</sup>, Cathy Banwell<sup>1</sup>, Jane Dixon<sup>1</sup>, Adrian Sleight<sup>1</sup>  
*<sup>1</sup>Australian National University, Australia, <sup>2</sup>Sukhothai Thammathirat Open University, Thailand*

# Program

**PS-02-p-300 Biological control of apple grey mould by two yeast isolates in combination with ammonium molybdate for production of healthy fruit**

Hassan Reza Etebarian<sup>1</sup>, Maral Azadrooh<sup>2</sup>, Heshmatollah Aminian<sup>2</sup>  
<sup>1</sup>Islamic Azad University, Iran, <sup>2</sup>University of Tehran, Iran

**PS-02-p-301 Safety of Nanoparticles Evaluated as the Level of ROS In Vitro**

Vivek Raju, Guowu Wang, Liping Wang, Wang Jin-Ye  
 Shanghai Jiao Tong University, China

**May 17 (Sunday)**

**Poster Session 03**

**AM Nutritional Biochemistry 5**

- PS-03-a-001 Excess intake of alpha-tocopherol decreases extrahepatic phyloquinone concentration without change in blood coagulation and bone morphology**  
 Fumiaki Hanzawa<sup>1</sup>, Saki Nomura<sup>1</sup>, Tomono Uchida<sup>2</sup>, Mariko Sonoda<sup>3</sup>, Hiroko Ikegami<sup>3</sup>, Yoko Fujiwara<sup>3</sup>, Saiko Ikeda<sup>1</sup>  
<sup>1</sup>Nagoya University of Arts and Sciences, Japan, <sup>2</sup>Aichi Gakusen University, Japan, <sup>3</sup>Ochanomizu University, Japan
- PS-03-a-002 Association between Serotonin Levels and Body Weight Gains on C57BL/6 Mice fed with Low- or High-fat Diets**  
 Yi-Hsiu Chen, Bi-Fong Lin  
 National Taiwan University, Taiwan
- PS-03-a-003 Maternal choline deficiency affects offspring health**  
 Yoshiko Tsukuda, Yukino Miyachi, Takao Hashimoto, Kato Norihisa, Yanaka Noriyuki  
 Hiroshima University, Japan
- PS-03-a-004 Effects of stress on the urinary concentration of trace elements in Japanese young women**  
 Yukiko Mita, Maho Tomikawa, Asuka Natsume, Chiho Oshima, Junko Tsudzuki  
 Sugiyama Jogakuen University, Japan
- PS-03-a-005 Effects on lipid metabolism by folate-deficiency in rats**  
 Rieko Nakata, Megumi Kawabata, Hiroyasu Inoue  
 Nara Women's University, Japan
- PS-03-a-006 Benefits of nutritional guidance for dietary management in patients with cardiovascular diseases**  
 Sasagawa Michiyo<sup>1</sup>, Yamamoto Kayo<sup>1</sup>, Nakagawa Akihiko<sup>1</sup>, Kajinami Kouji<sup>2</sup>  
<sup>1</sup>Kanazawa Medical University Hospital, Japan, <sup>2</sup>Kanazawa Medical University, Japan
- PS-03-a-007 The benefits of vitamin micronutrient beverage(VCRESC) in nutritional management in diabetes patients**  
 Yamamoto Tise<sup>1</sup>, Yamamoto Kayo<sup>1</sup>, Nakagawa Akihiko<sup>1</sup>, Nakano Sigeru<sup>2</sup>, Koya Daisuke<sup>3</sup>  
<sup>1</sup>Kanazawa Medical University Hospital, Japan, <sup>2</sup>SHiKa Clinic, Japan
- PS-03-a-008 The effects of vitamin micronutrient beverage(VCRESC) on ESKD patients vitamin and homocysteine values after long term consumption, it is a case report**  
 Takeshita Kingo<sup>1</sup>, Yamamoto Kayo<sup>1</sup>, Nakagawa Akihiko<sup>1</sup>, Nakano Sigeru<sup>2</sup>, Koya Daisu<sup>3</sup>, Yokoyama Hitoshi<sup>4</sup>  
<sup>1</sup>Kanazawa Medical University Hospital, Japan, <sup>2</sup>Shika Clinic, Japan, <sup>3</sup>Kanazawa Medical University, Japan
- PS-03-a-009 The effects of vitamin micronutrient beverage(VCRESC) on oxidation stress marker and values in healthy subjects**  
 Nakagawa Akhiko<sup>1</sup>, Takeshita Kingo<sup>1</sup>, Yamamoto Kayo<sup>1</sup>, Yamamoto Tise<sup>1</sup>, Kawahara Mitiyo<sup>1</sup>, Koya Daisuke<sup>2</sup>  
<sup>1</sup>Kanazawa Medical University Hospital, Japan, <sup>2</sup>Kanazawa Medical University, Japan
- PS-03-a-010 Clinical use of cyclooxygenase inhibitors impairs vitamin B-6 metabolism**  
 En-Pei Chiang<sup>1</sup>, Shu-Yu Huang<sup>1</sup>, Feng-Yao Tang<sup>2</sup>, HY Chang<sup>1</sup>, ST Huang<sup>1</sup>, HD Cheng<sup>1</sup>, DY Chen<sup>3</sup>, JL Lan<sup>3</sup>, HM Chih<sup>4</sup>  
<sup>1</sup>National Chung Hsing University, Taiwan, <sup>2</sup>China Medical University, Taiwan, <sup>3</sup>Division of Allergy Immunology Rheumatology, <sup>4</sup>Department of Nursing and Pediatrics